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# US Liberal Arts Course Catalog 2020-2021

## 美式课程目录 2020-2021

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## General Introduction 课程总体介绍

## Career Planning & Course Selection Guide 生涯规划与选课指引

Vanke Meisha Academy (VMA) is a private school offering international curriculum that was jointly established in 2015 by Vanke Education Development Fund and Shenzhen Middle School (SMS), the most selective high school in Guangdong Province and one of the top schools in China. VMA is endeavoring to develop academic curriculum and extracurricular activities to enlarge student's international perspective and sense of responsibility. VMA is also authorized as a degree-granting secondary institution by the Shenzhen Education Bureau. In May 2018, VMA was fully accredited for grades 10-12 by the Western Association of Schools and Colleges (WASC).

The standard learning period at VMA is three years: grades 10 through 12. However, challenges associated with the transition to an international bilingual school, and individual interest in pursuing intensive, specialized diplomas, may lead some students to extend their VMA studies through a fourth year.

Although most students will acquire the VMA Diploma at graduation, some students may choose to graduate with only the Chinese National Diploma. In addition, VMA offers three specialized diploma programs: US Liberal Arts Program, UK Cambridge Program, and VMAA Artist—both Visual Art and Music Programs. In addition to credit requirements, students must complete a 150-hour social practice requirement for graduation.

A student's academic record is essential for a strong college application. Many US colleges provide students with guidelines about academic preparation they expect successful applicants to have in high school, e.g. the number of years of English, math, science etc. Here at VMA, all students are expected to meet the following requirements to gain admission:

Recommended Course of Study for US Liberal Arts Programs	
Subject Area	Length of Study
History/Social Science	2 years
English	4 years
Mathematics	3 years (4 years recommended)
Science (w/lab)	2 years (3 years recommended)
Language other than English	2 years
Visual & Performing Arts	1 year (or 2 semesters)
Additional course from any subject area above	1 year

\*Adopted from "University of California A-G Guide" <https://www.ucop.edu/agguide/a-g-requirements/index.html>

\*The above chart incorporates G9 studies

VMA currently offers Regular courses, Honors courses, AP courses and Post-AP courses. The purpose of the AP program is to enable willing and academically prepared students to pursue college-level studies—with the opportunity to earn college credit, advanced placement, or both, while they are still in high school, and colleges do expect students to

take advantage of opportunities their high schools offer to challenge themselves through honors or AP courses.

VMA also offers College Counseling (CCO) courses to all students. Each year, they take a 2 credit year-long course on College Readiness. The ultimate goal of this course is to build a resume and portfolio towards successful college application and “college-readiness.” During the sessions, CCO will help students prepare for their future academic and career options. The course will help students to gain self awareness of their career interests, personality, life goals and values; to understand their educational and career options; to research and match themselves with potential major/career options; to prepare for transferring to an overseas college and exploring majors; to learn how to excel at every step of the college application and career pathway search, including resume and interview preparation; and to make decisions, set academic goals, manage their time and make plans for the future.

### **Then what’s the best approach to choosing your high school courses?**

First, students should ask themselves these questions:

#### **Ø Current Interests**

What are your current academic interests? Consider whether you want to focus on the types of courses you enjoy the most right now, or prepare more for the kinds of courses you’ll take when you get to college.

#### **Ø Future Pursuits**

What do you want to study in college? What are the required courses for that program? For example, if you want to be a pre-med student, you should take advanced Biology and Chemistry courses. Consult your College Counselor for suggested courses for future interests.

#### **Ø Academic Progression**

How will your academic success in your current course of study translate to college-level study? Make sure you think about the courses you are interested in during course selections and pick courses that fit not only your academic interests but also the appropriate level of course that can challenge you academically.

#### **Ø Managing Academic Stress**

How do you organize your time and manage stress? Make sure to take a course load that you can handle. Honors, AP, and Post-AP courses require significant additional class time to successfully complete the curriculum. These courses can be stressful and take a large amount of your time throughout the week. Make sure you consider that when discussing your options with your college counselor.

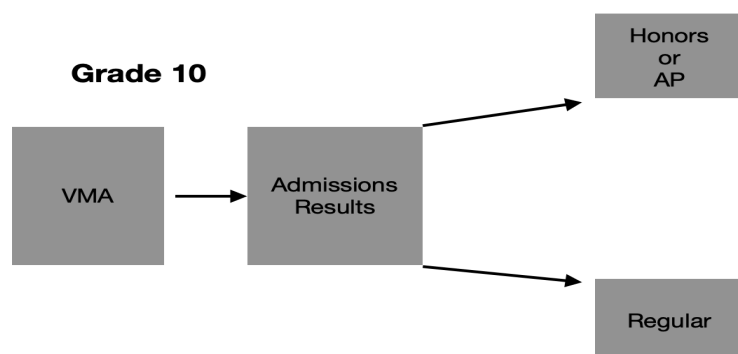
When students start their G10 at VMA, they are placed into Regular, Honor and AP tracks accordingly based on their admission and benchmark tests. This means most of the courses are designated by school as 10<sup>th</sup> Graders.

Students may have more flexibility in terms of course selection in Grade 11 & 12 per their interest. Thus, it is required that students follow their graduation requirement progression and make steady progress across high school years at VMA. But what kinds of courses should students take when they have choices? What exactly is expected when choosing honors or AP courses? Here are some principles that students need to consider:

## Grade 10

--Students are placed into courses based on their admissions exam results.

--Students will submit their course requests of Arts and 10 credits of electives. All other courses will be placed based on graduation requirements



## Grade 11 and 12

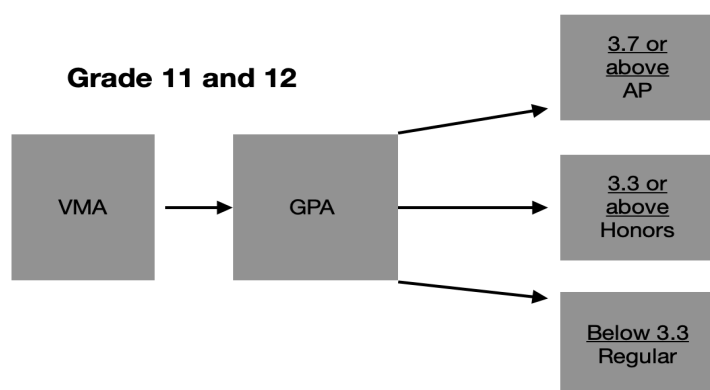
--The role of Prerequisites. Students must meet academic prerequisites before enrolling in Honors-level, AP, Post-AP and/or AP Seminar. All prerequisites are listed with the course catalog.

--The role of GPA. To be more specific, the level of GPA will be taken into consideration if students intend to pursue higher-level courses.

Ø GPA 3.3 or above. Students are expected to maintain a 3.3 GPA by the end of Grade 10 before proceeding to take Honors-level courses. Students whose GPA is below 3.3 should stay on the regular progression until they show significant academic improvement.

Ø GPA 3.7 or above. Students are encouraged to take AP courses, Post-AP and/or AP Seminar.

[This is the recommendation from College Board, which offers the AP curriculum.]



--Students enrolled in AP courses are required to take the official AP Exam. If students intend to obtain the AP Capstone diploma, AP Seminar & AP Research are required.

--Take what you can manage and do well in. The course rigor and grades are both important for your successful college application in the future.

--An upward trend is a good thing. Colleges consider improvement and decline over time. For example, two students may have identical GPAs in comparable courses, but one has improved over time while the other's grades have declined. Admissions staff will view the improving student much more favorably.

# VMA Graduation Requirements 毕业学分要求

## VMA Graduation Requirements (Class of 2021/2022)

Subject	G10	G11	G12
English (40)	English 2/Honors ENG207 or 208 (10)	English 3 /AP ENG 305 or 501 (10)	English 4/AP /ADV 401,501, or 502 (10)
	ELL Writing ENG209 (10)	--	--
Math (20)	Based on entrance exam MATH205 or 218(10)	Elective (10)	--
Lab Science (20)**	Elective (10)	Elective (10)	
Math/Science (5)	--	--	Elective (5)
Computer Science/ Engineering (10)	Information Technology CSE202 <b>OR</b> Programming with Python CSE205 <b>OR</b> Programming with Java CSE302		Elective (5)
Chinese (15)^	Chinese 2 CHI202 (5)	Chinese 3 CHI302 (5)	Elective CHI400 level course (5)
Chinese History (0*)^	--	HuiKao track only*	--
Social Science (10*)^	Politics/Int. Rel. HIS302/HIS308 (5)	Huikao track only*	Elective (5)
Arts (15)	Elective (5)	Elective (5)	Elective (5)
PE/Health (15)	General PE PE211 (5)	Elective (5)	Elective (5)
Personal Development (21)	Research Seminar I RE203 (5)	Research Seminar II RE303 (5)	Research Seminar III RE403 (5)
	College Readiness RE202 (2)	College Readiness RE302 (2)	College Readiness RE402 (2)
Dip. Req. credits (171)	<b>72 credits</b>	<b>52 credits</b>	<b>47 credits</b>
Elective credits (50)^	10 (students may choose to delay some or all of credits to grade 11 or 12 at their discretion)	20	20
Total credits (221)	<b>82</b>	<b>72</b>	<b>67</b>

\*For HuiKao track, students must take: Chinese History (HIS203) and Geography & World History (GEO201)

\*\*All students must take Biology, Chemistry, and Physics while at VMA

^For Western Students:

^Instead of Chinese, they must take 10 credits of Foreign Language (Spanish, German, or Chinese as a Second Language)

^No credits for Chinese History are required

^For Social Science, they must take both AP World History and AP US History

## VMA Graduation Requirements (Class of 2023)

Subject	G10	G11	G12
English (40)	ENG207 English 2 OR ENG208 English 2H(10)	ENG305 English 3 OR ENG308 English 3H OR ENG501 AP Lan- guage (10)	ENG401 English 4 OR ENG501 AP Language OR ENG502 AP Litera- ture (10)
	ENG209 ELL OR ENG218 ELL Honors (10)	--	--
Math (20)	Based on entrance exam MATH205 or 218(10)	Elective (10)	--
Lab Science (30)**	Physics/Integrated Science (Integrated Science is a two year program) (10)	Biology/Chemistry/ Integrated Science (Integrated Science is a two year program)(10)	Biology/Chemistry (10)
Computer Science/ Engineering (10)	Information Technology CSE202 OR Programming with Python CSE205 OR Programming with Java CSE302		Elective (5)
Chinese (15)^	Chinese 2 CHI202 (5)	Chinese 3 CHI302 (5)	Elective CHI400 level course (5)
Chinese History (0*)^	--	HuiKao track only*	--
Social Science (10*)^	Politics/Int. Rel. HIS302/HIS308 (5)	Huikao track only*	Elective (5)
Arts (15)	Elective (5)	Elective (5)	Elective (5)
PE/Health (15)	General PE PE211 (5)	PE300/PE301 (5)	PE400/PE401 (5)
Personal Development (21)	Research Seminar I RE203 (5)	Research Seminar II RE303 (5)	Research Seminar III RE403 (5)
	College Readiness RE202 (2)	College Readiness RE302 (2)	College Readiness RE402 (2)
Dip. Req. credits (171)	<b>72 credits</b>	<b>52 credits</b>	<b>52 credits</b>
Elective credits (45)^	10 (students may choose to delay some or all of credits to grade 11 or 12 at their discretion)	20	15
Total credits (221)	<b>82</b>	<b>72</b>	<b>67</b>

\*For HuiKao track, students must take: Chinese History (HIS203) and Geography & World History (GEO201)

^For Western Students:

^Instead of Chinese, they must take 10 credits of Foreign Language (Spanish, German, or Chinese as a Second Language)

^No credits for Chinese History are required

^For Social Science, they must take both AP World History and AP US History

## VMA STEAM Diploma

Subject	G10	G11	G12
English (40)	English 2/Honors ENG207 or 208 (10)	English 3 /AP ENG 305 or 501 (10)	English 4/AP /ADV 401,501, 502 or 609 (10)
	ELL Writing ENG209 (10)	--	--
Math (30)	Based on entrance exam MATH205 or 218(10)	Elective (10)	Elective (10)
Science (30)	Elective (10)	Elective (10)	Elective (10)
Computer Science/ Engineering (15)	Programming with Python CSE205 (5)	Elective (10)	
Chinese (15)	Chinese 2 CHI202 (5)	Chinese 3 CHI302 (5)	Elective CHI400-403 (5)
Arts (15)	Elective (5)	Elective (5)	Elective (5)
PE/Health (15)	General PE PE211 (5)	Elective (5)	Elective (5)
Personal Development/ Research project/In- ternship (21)	Elective (5)	Elective (5)	Elective (5)
	College Readiness RE202 (2)	College Readiness RE302 (2)	College Readiness RE402 (2)
Personal Development/ Research project/In- ternship (15)	Elective (5)	Elective (5)	Elective (5)
	Students may choose research project (such as TNC e-steam program...) or STEAM/Robotics related competition (such as VEX or FRC...) or Science competition (such as USIYPT or Brain Bee or MCM...) or internship in industrial field to complete these credits.		
Dip. Req. credits (196)	<b>72 credits</b>	<b>67 credits</b>	<b>57 credits</b>
Elective credits (40)	10 (students may choose to delay some or all of credits to grade 11 or 12 at their discretion)	15	15
Total credits (236)	<b>82</b>	<b>82</b>	<b>72</b>

# Course Selection and Request Process 选课流程

## VMA Department Information

Department Abbreviation	Department Name	Contact within Department
ASO	Academic Support Office	Eric Yang (aso@vma.edu.cn)
CCO	College Counseling Office	Jayden Chang (cco@vma.edu.cn)
SWC	Student Wellness Center	Li XianYao (swc@vma.edu.cn)

### Step 1: Training

January

All staff and students will be trained on the process. Different meetings will be scheduled where staff and students will learn about the process and be able to ask any necessary questions.

### Step 2: Recommendations

January

Recommendations for students to take upper level courses will be created on PowerSchool system by their current subject teacher.

### Step 3: Preparing for Course Selections

Chinese New Year Holiday

Students will be given the course catalogue, along with the graduation requirements. They need to spend time over Chinese New Year to discuss course options with their family. Keep in mind the prerequisites, because you must meet all of the listed requirements to request the class. Each student will be given a planning form that needs to be completed and signed. This form needs to be brought to their individual CCO meeting.

### Step 4: Course Counseling

February

Students will schedule one-on-one meetings with their assigned college counselor. The college counselor will advise students on the compulsory courses they must take for their next year and help students select elective courses as designated by their graduation requirements. Their college counselor will enter in their course requests. If a student wants to request a course he or she does not meet the prerequisite for, they must complete the appeals process. This appeal form can only be provided by their college counselor. It must be 100% complete and turned in on time or it will not be considered. Non-Compliant students (students who miss meetings with their CCO) will be assigned the compulsory classes that are required for their grade.

### Step 5: Appeal Process

March

Students will be notified of the outcome of their appeal process by the Department Chair of their requested course. This is determined by the Department Chair of the requested course and the Dean of Academics. Once a decision is made, there is not a re-appeal process.

### Step 6: Interviews/etc. Procedure

March

6.1 ASO will consolidate and send the course request list to the Chairs.

6.2 The Chairs will submit the interview/etc. schedule to ASO.

6.3 ASO will publish the interview schedule to all staff and students through email.

All Interviews/etc. will be scheduled on an appointment basis. Students will be provided a time slot for when they need to complete the required interview/etc. for a requested course on the schedule published by ASO. If the assigned time does not fit within your schedule, it is your responsibility to contact the teacher conducting the interview/etc. to request an alternate time. If you miss your assigned time, your request will be removed from the system and you will not receive an opportunity to complete the interview/etc.

6.4 The Chairs will organize and complete the interviews/etc. and send the results to ASO;

6.5 ASO will publish all the interview/etc. results to staff and students through email. Once a decision is made, there is not a re-appeal process.

#### Step 7: Tentative Schedule Released

May/June

By the end of the Spring semester, the tentative student schedule will be posted on Powerschool. Students and parents can log in to their account to check their tentative schedule after notice from ASO.

Any schedule changes that meet ASO policy will be processed during Add/Drop week at the start of the school year. Any emails sent to ASO or PowerSchool about changing a student's schedule will not be considered. Please remember VMA tries to meet most course requests, but some requests cannot be met no matter what.

#### Step 8: Final Adjustments

August

8.1 During School Orientation, G10 students will complete course requests and scheduling. G11/G12 students might see some changes from the schedule that was posted in May/June. Do remember that this is normal when the system adds in the G10 student requests. All students will be notified through email by ASO to remind you to check your revised schedule.

8.2 Before the start of the school year, G11 and G12 will have the opportunity to Add/Drop to their courses. All requested changes must meet ASO Policy (see below).

Any personal preference changes will not be processed.

Add/Drop Policy:

1. Students have been placed in the wrong level of course.
2. Students are missing a graduation requirement.
3. Students have a free period on their schedule where a class should be.

8.3 The weekend after Add/Drop, ASO will check course enrollment of each course. If a course is still not meeting the minimum enrollment numbers, it might be cancelled. Affected students will be notified by PowerSchool through email with their updated schedule.

## Course Catalog of Each Department 各学科课程目录

### Interpretation of the catalog 课程目录阅读说明:

#### Description of the course code 课程代码说明

The letters in the course code imply the course subject:

课程代码中的字母代表课程的类别:

Department 学科组	Letter 字母代码	Subject 学科
Chinese 语文	CHI	Chinese 语文
World Language 世界语言	ENG	English 英语
	GER	German 德语
	SPA	Spanish 西班牙语
Science 科学	BIO	Biology 生物
	CHE	Chemistry 化学
	CSE	Computer Science 计算机科学
	EGR	Engineering 工程学
	PHY	Physics 物理学
	SCI/SCIC	Science Combined 综合科学
Math 数学	MATH	MATH 数学
Social Science 社会科学	ECO	Economic 经济学
	GEO	Geography 地理
	HIS	History and Politics 历史与政治
	PSY	Psychology 心理学

	RE	Research 研究课程
PE 体育	PE	PE 体育
Visual Arts 视觉艺术	ART	Art 视觉艺术
Performing Arts 表演艺术	MUS	Music 音乐
	PA	Performing Arts 表演艺术
	DAN	Dance 舞蹈
	TH	Theatre 戏剧
VMAA 艺术学院	ARTA	VMAA Visual Art Course 艺术学院视觉艺术类课程
	MUSA	VMAA Music Course 艺术学院音乐类课程
	VMAA	VMAA General Courses 艺术学院通识课程

For US Track Courses, the numbers in the course code imply the grade level of the course. The level is from 200- to 600-, implied the Grade 10 courses to College level courses.

对于美国方向的课程，课程代码中的数字代表课程的年级。由 200- 至 600-，代表的是 10 年级课程至大学难度的课程。

For courses in Grade 10 to 12 (Course code 200-,300-,400-), there are 2 levels in each grade: the regular level and honor level. The codes of honor level courses end up with 8. 对于 10 年级至 12 年级的课程（课程代码为 200-，300-，400-），每个年级分为两个难度类别：基础课程和荣誉课程。代码末尾以 8 结尾的为荣誉课程。

For College level courses, there are 2 kinds: AP courses and Post-AP courses. All AP courses are coded with 500-. All Post-AP courses are coded with 600-. For Capstone courses, except AP Capstone (AP Seminar and AP Research), the code is 699.

对于大学难度的课程，分为两种：**AP** 课程与 **Post-AP** 课程。所有 **AP** 课程的代码是 500-。所有非 **AP** 课程的代码是 600-。顶石课程，除了 **AP** 顶石课程（**AP** 研讨和 **AP** 研究课程）以外，标注为 699。

Grade 年级	Regular 基础课程	Honor (“H” on Transcript) 荣誉课程（成绩单标“H”）
Grade 10	200- (e.g. 201,210)	2-8 (e.g. 208,218)

Grade 11	300- (e.g. 301,310)	3-8 (e.g. 308,318)
Grade 12	400- (e.g. 401,410)	4-8 (e.g. 408,418)
<b>College Level-AP (“AP” on Transcript)</b> 大学难度课程 – <b>AP</b> 课程 (成绩单标“AP”)		500- (e.g. 501,508, 510)
<b>College Level-Post AP (“ADV” on Transcript)</b> 大学难度课程 – <b>Post AP</b> 课程 (成绩单标“ADV”)		600- (e.g. 601,608, 610)
<b>Capstone Course (“CAP” on Transcript)</b> 顶石课程 (成绩单标“CAP”)		699

### Description of the classwork load 课业压力说明：

Classwork load implied the time students need to spend in order to earn the course credits. Generally speaking, higher classwork load means more time to spend on classwork. The classwork load is marked with red, yellow and green to indicate heavy, medium and light classwork load.

Courses with 5 credits are semester-long courses. Courses with 10 credits are year-long courses.

课业压力代表的是获得该课程学分所需的时间。一般来说，课业压力越大代表所需的学习时间越长。课程目录中课业压力分别由红，黄，绿色代表课业压力大，中，小的水平。

所有 5 学分的课为学期长的课程，10 学分的课为学年长的课程。

## World Languages 世界语言

Welcome to the World Languages department at VMA. Classes are student-centered with a purpose to provide solid English skills. Additionally, students are exposed to literature written in English, Spanish, and German from all periods and places. The curriculum of the World Languages department includes English literature courses for students aligned to the California Common Core Standards, Public Speaking, and Journalism. Incoming students are required to take ELL, unless their TOFEL score meets the requirement to waive the course. ELL is a course which supplements students' needs who are not currently proficient as English speakers and are in the process of developing their English language skills to acclimate to the courses taught in English at VMA. ELL students are referred to specific classes and regular content area classes that they are integrated into. ELL is a universally accepted term for English language learners for non-native English speakers who are in the process of learning English.

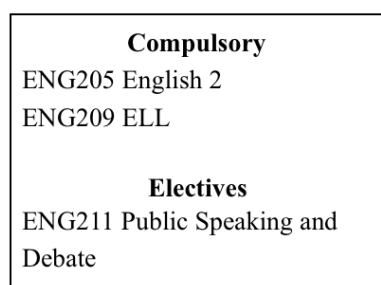
Additionally, Spanish and German courses, as a second Foreign Language, allows students to develop additional language proficiencies. Students enrolled in VMA are provided essential tools to communicate and develop their leadership in a global environment, thus providing them the tools for success in other academia.

The English/World Languages curriculum at VMA is rigorous. We offer US Common Core (with a focus in AP). Students study at an appropriate level for and choose the pathway they decide to follow in preparation for postsecondary education. Our 600-level, post-AP, and elective courses are designed to enable students to use English as the medium to appreciate literary work required for critical thinking skills. The table below outlines the various pathways that can be considered:

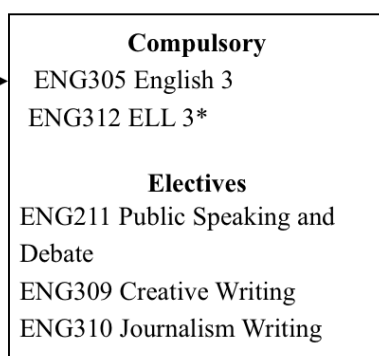
### Subject Progression Map 科目进展图

#### GRADE 10

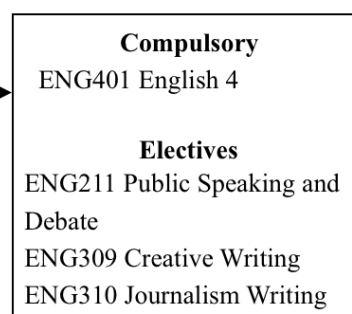
##### Regular Progression



#### GRADE 11

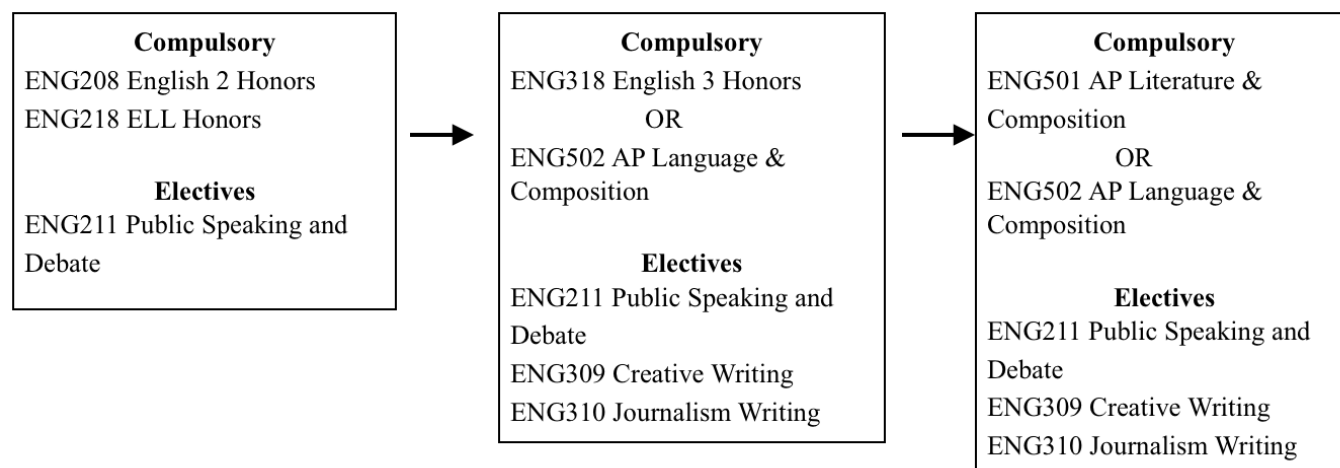


#### GRADE 12

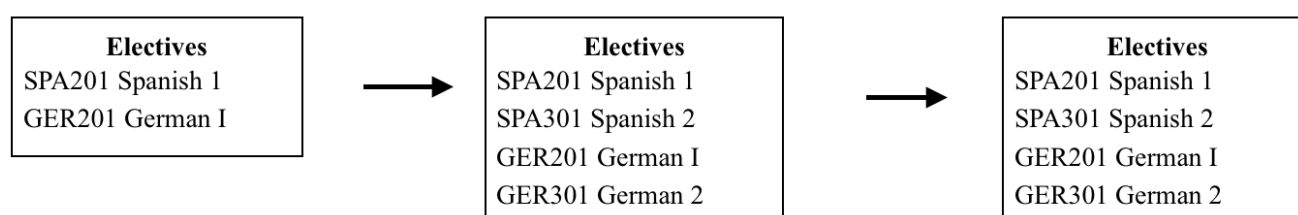


\*Only for G11 students who have not scored 100 or higher on their TOFEL exam

## AP/Honors Progression



## Foreign Languages



*NOTE: In making course/elective selections, you should consult a member of the English Department as some courses may have specific prerequisites, or may not be offered during a given year due to low enrollment number*

## Course Description and Prerequisite 课程介绍和选课要求

### English 英语

COURSE TITLE & CODE 课程名称及代码	DESCRIPTION 课程简介	Credits 学分 (5 or 10)	Classwork Load 课业压力 LIGHT MEDIUM HEAVY
English 2 Literary Analysis & Composition 英语 2——文学分析与作文 ENG207	<b>Prerequisite 选课前提:</b> None <b>DESCRIPTION 课程简介</b> Students will continue to apply the literacy skills they have acquired in English 1 and move to higher levels of sophistication. In this course, students become more proficient writers and readers. All elements of this course are aligned with Common Core Standards.	10	MEDIUM
English 2 Honors Literary Analysis & Composition 英语 2 (荣誉)——文学分析与作文 ENG208	<b>Prerequisite 选课前提:</b> The English portion of the VMA entrance exam determines Placement in this class. <b>DESCRIPTION 课程简介</b> The English 2 Honors course parallels the content of English 2, but also includes more complex reading, writing, and advanced work that goes beyond the scope of what is expected in the English 2 course. All elements of this course are aligned with Common Core Standards. This course will prepare students for AP Language and Composition.	10	MEDIUM

ELL English Language Development ELL 英语语言发展 ENG209	<b>Prerequisite 选课前提:</b> None <b>DESCRIPTION 课程简介</b> In this course teachers will use English Language Learning (ELL) instructional strategies to teach students intensive reading, writing, speaking, and listening skills that they will be able to use in all VMA subject areas. English is a second language for all of our students. Therefore, all students will benefit from this ELL foundational course.	10	MEDIUM
Communications: Public Speaking and Debate 公共演讲与辩论 ENG211	<b>Prerequisite 选课前提:</b> None <b>DESCRIPTION 课程简介</b> This course surveys various areas of public speaking as well as different types of debate. The purpose of this course is to help students understand and excel in public speaking and argumentation through developing into effective communicators in English. The main focus in debate will be a public forum and policy debate. Public speaking will cover formal and informal types of speech writing preparation, as well as the actual performance of speeches. We will survey important speeches and debates throughout history, and use these as model texts to drive our own writing and persuasion.	5	LIGHT
ELL English Language Development Honors ELL 英语语言发展 (荣誉) ENG218	<b>Prerequisite 选课前提:</b> The English portion of the VMA entrance exam determines Placement in this class. <b>DESCRIPTION 课程简介</b> In this course teachers will use English Language Learning (ELL) instructional strategies to teach students intensive reading, writing, speaking, and listening skills that they will be able to use in all VMA subject areas. English is a second language for all of our students. Therefore, all students will benefit from this ELL foundational course.	10	MEDIUM
English 3 American Literature 英语 3——美国文学 ENG305	<b>Prerequisite 选课前提:</b> Successful completion of ENG207 OR ENG208 <b>DESCRIPTION 课程简介</b> An in-depth study of American literature. The course will examine the ideas expressed in this literature, as well as the historical context from which these writings arise. Students will be given the opportunity to develop both creative and analytical skills through reading and writing assignments. All elements of this course are aligned with Common Core Standards.	10	MEDIUM
Introduction to Creative Writing 创意写作导论 ENG309	<b>Prerequisite 选课前提:</b> None <b>DESCRIPTION 课程简介</b> This English elective course designed to engage students in the writing of poetry, short fiction, and personal narratives with an emphasis on developing and exercising imagination.	5	LIGHT
Journalism Writing 新闻写作 ENG310	<b>Prerequisite 选课前提:</b> None <b>DESCRIPTION 课程简介</b> This course is an introduction course for students interested in a journalism career path. This course will focus on television and radio script writing as well as print newspaper and magazine writing.	5	LIGHT
ELL English Language Development 3 ELL 英语语言发展 3 ENG312	<b>Prerequisite 选课前提:</b> This is only open for G11 students who have not scored 100 or higher on TOFEL <b>DESCRIPTION 课程简介</b> This course is a continuation of ELL and is designed to facilitate the development of skills needed for academic literacy. In this course teachers will use English Language Learning (ELL) instructional strategies to teach students intensive reading, writing, speaking, and listening skills that they will be able to use in all VMA subject areas. English is a second language for most of our students.	10	MEDIUM
English 3 Honors 英语 3 (荣誉) ENG318	<b>Prerequisite 选课前提:</b> Successful completion of ENG207 or 208 AND teacher recommendation. <b>DESCRIPTION 课程简介</b> This course parallels the content of English 3, but also includes AP Language and Literature advanced work that goes beyond the scope of what is expected in the English 3 course. This is a Pre-Advanced Placement course elements of this course are aligned with Common Core Standards and also the AP college board literature components.	10	HEAVY

English 4 British & World Literature 英语 4——英国 文学与世界文学 ENG401	<b>Prerequisite 选课前提:</b> Successful completion of ENG305 OR ENG318. <b>DESCRIPTION 课程简介</b> This course is for all 12th graders who have not completed or have current enrollment in AP English. English 4 is designed to align with the College and Career readiness skills needed by all graduating students. All elements of this course are aligned with Common Core Standards.	10	MEDIUM
AP English Literature and Composition AP 英语文学与写 作 ENG501	<b>Prerequisite 选课前提:</b> Successful completion of ENG305, or 318 AND teacher recommendation <b>DESCRIPTION 课程简介</b> This is a rigorous full-year course designed for the above average senior student in English. It is a college-level course, including preparation for the AP examination. Interested students should consult their English teacher and English department chair as part of their decision-making process. Many colleges either grant credit or offer course exemptions to students who perform well on the AP examination. <i>All students enrolled in this class are expected to take the College Board AP exam.</i>	10	HEAVY
AP English Language and Composition AP 英语语言与写 作 ENG502	<b>Prerequisite 选课前提:</b> Successful completion of ENG207, 208, 305, or 318 AND teacher recommendation This is a rigorous full-year course designed for the above average senior student in English. It is a college-level course, including preparation for the AP examination. Interested students should consult their English teacher and English department chair as part of their decision-making process. Many colleges either grant credit or offer course exemptions to students who perform well on the AP examination. <i>All students enrolled in this class are expected to take the College Board AP exam.</i>	10	HEAVY

## Foreign Language 第二外语

COURSE TITLE & CODE 课程名称及代码	DESCRIPTION 课程简介	Credits 学分 (5 or 10)	Classwork Load 课业压力 LIGHT MEDIUM HEAVY
Spanish 1 西班牙语 1 SPA201	<b>Prerequisite 选课前提:</b> None <b>DESCRIPTION 课程简介</b> The Spanish I Language Development (SLD) course is designed for the progression of Spanish language development in any grade. This Spanish course focuses on developing all four language skills (listening, speaking, reading, and writing), with a special emphasis on the Spanish language.	10	MEDIUM
Spanish 2 西班牙语 2 SPA301	<b>Prerequisite 选课前提:</b> Successful completion of SPA201 <b>DESCRIPTION 课程简介</b> The Spanish II Language Development (SLD) course is designed for the progression of Spanish language development in any grade. This Spanish course focuses on developing all four language skills (listening, speaking, reading, and writing), with a special emphasis on the Spanish language.	10	MEDIUM
German I 德语 1 GER201	<b>Prerequisite 选课前提:</b> None <b>DESCRIPTION 课程简介</b> German is an increasingly relevant language, especially for those students who are interested in careers in politics, history, culture, healthcare, international law, engineering and economics. This foreign language course introduces fundamental concepts of German grammar and communication, and more generally the basics of Western language structures. Students will develop skill in analysis and communication, as well as insight into German culture and history, through the study of German literature, philosophy, art, music, and movies. Students will be assessed on their ability to recall vocabulary, create structurally sound sentences and identify errors in test situations. Finally, in-class discussion and free-writes will assess students' ability to express themselves in a foreign language.	10	MEDIUM

German II 德语 2 GER301	<p><b>Prerequisite</b> 选课前提: Successful completion of GER201</p> <p><b>DESCRIPTION</b> 课程简介</p> <p>German is an increasingly relevant language, especially for those students who are interested in careers in politics, history, culture, healthcare, international law, engineering and economics. This foreign language course introduces fundamental concepts of German grammar and communication, and more generally the basics of Western language structures. Students will develop skill in analysis and communication, as well as insight into German culture and history, through the study of German literature, philosophy, art, music, and movies. Students will be assessed on their ability to recall vocabulary, create structurally sound sentences and identify errors in test situations. Finally, in-class discussion and free-writes will assess students' ability to express themselves in a foreign language.</p>	10	<b>MEDIUM</b>
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## Science 科学

All students who wish to explore the world around them and learn what it's made of will find a home in the VMA Science department, where inquiry based learning is at the core of our curriculum. We offer courses that will develop your hands-on experimental design and problem solving skills, as well as mathematical and reasoning routines to help mold you into a well-rounded student. Additionally, instruction and assignments are designed to improve your ability to read, write, and speak using proper scientific English. If you have only a mild interest in science, there is a basic track that meets all of your requirements for graduation. But if you want to explore further and find out where your interests may lie, we offer all the core scientific courses at more intermediate to advanced levels, including chemistry, physics, and biology, as well as computer science, robotics, and engineering.

As a student in the sciences pursues a particular subject area, the courses are arranged sequentially, building to higher levels of difficulty and deeper understanding. Thus, whether a student chooses to follow the Common Core or AP track, the VMA Science department offers a full complement of classes. In addition our department offers a number of college styled electives, such as astronomy, botany, and nuclear chemistry.

## Subject Progression Map 科目进展图

### GRADE 10 Regular Progression

<b>Compulsory Lab Science</b>
PHY204 Physics
OR
SCIC0653 Integrated Science*
(*This is a two year course)
<b>Compulsory Science</b>
CSE202 Information Technology
OR
CSE205 Programming with Python
OR
CSE303 Programming with Java



### GRADE 11

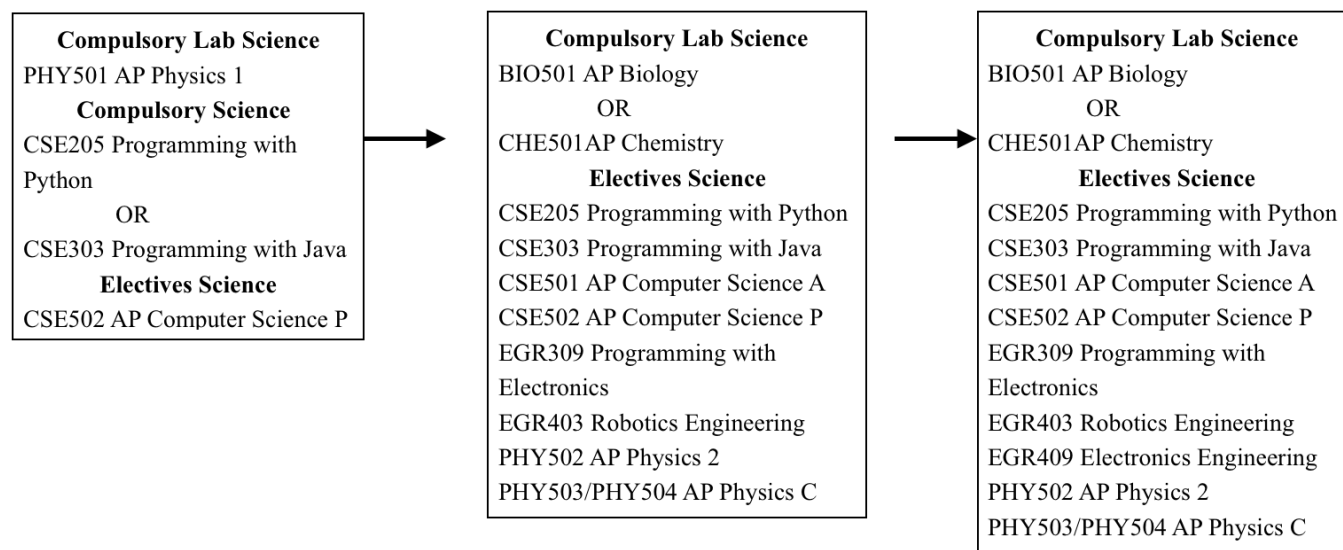
<b>Compulsory Lab Science</b>
PHY203 Physics
OR
BIO203 Biology
OR
CHE203 Chemistry
OR
SCIC0653 Integrated Science*
(*This is a two year course)
<b>Electives Science</b>
CSE202 Information Technology
CSE205 Programming with Python
CSE303 Programming with Java
BIO303 Botany
EGR309 Programming with Electronics
EGR403 Robotics Engineering
PHY501 AP Physics 1



### GRADE 12

<b>Compulsory Lab Science</b>
PHY203 Physics
OR
BIO203 Biology
OR
CHE203 Chemistry
<b>Electives Science</b>
CSE303 Programming with Java
EGR309 Programming with Electronics
EGR409 Engineering Electronics

## AP/Honors Progression\*\*



\*\*G10 students have the opportunity to take AP Science courses after placement testing, interview, and teacher approval.

\*\*All Students must take one course in Biology, Chemistry, and Physics before graduation at VMA.

NOTE: In making course/elective selections, you should consult a member of the Science Department as some courses may have specific prerequisites, or may not be offered during a given year due to low enrollment numbers.

## Course Description and Prerequisite 课程介绍和选课要求

### Science 科学


COURSE TITLE & NUMBER 课程名称及代码	DESCRIPTION 课程简介	Credits 学分 (5 or 10)	Classwork Load 课业压力 LIGHT MEDIUM HEAVY
Integrated Science 综合科学 SCIC0653A	<b>Prerequisite 选课前提:</b> None. This is for VMAA students only. <b>DESCRIPTION 课程简介</b> Integrated Science gives learners the opportunity to study Biology, Chemistry and Physics, each covered in separate syllabus sections. Learners gain an understanding of the basic principles of each subject through a mix of theoretical and practical studies, while also developing an understanding of the scientific skills essential for further study. They learn how science is studied and practised, and become aware that the results of scientific research can have both good and bad effects on individuals, communities and the environment. As well as focusing on the individual sciences, the syllabus helps learners to understand the technological world in which they live, and take an informed interest in science and scientific developments.	10	MEDIUM

### Biology 生物


COURSE TITLE & NUMBER 课程名称及代码	DESCRIPTION 课程简介	Credits 学分 (5 or 10)	Classwork Load 课业压力 LIGHT MEDIUM HEAVY

Biology 生物 BIO203	<b>Prerequisite 选课前提:</b> None. <b>DESCRIPTION 课程简介</b> Biology explores the mechanism underpinning our natural world. From small molecules to complex biological substances in every living organism, biological scientists endeavor to understand the origins of life and the laws of nature, attempting to decipher the code of life in agriculture, health and environment, ultimately for an improved welfare all humans and creatures on the planet. As an interdisciplinary subject, it is an ever-changing science as we are just beginning to understand life in all its complexities.	5	LIGHT
Botany 植物学 BIO303	<b>Prerequisite 选课前提:</b> None. <b>DESCRIPTION 课程简介</b> This Biology elective examines the nature of plants. In grappling with topics such as cell composition, photosynthesis, analysis of surrounding soil, and plants' impact on air quality, students will learn how to conduct experiments, analyze data scientifically, and, finally, develop a deep understanding of how plants work and how they relate to the world. Students will be assessed based on their performance on the midterm exam, quizzes, tests, labs and a final project.	5	MEDIUM
AP Biology AP 生物 BIO501	<b>Prerequisite 选课前提:</b> At least a B- in G10 English. <b>DESCRIPTION 课程简介</b> AP Biology is equivalent to a two-semester college introductory biology course. The Emphasis is on science practices and is designed to enable a student to develop advanced inquiry and reasoning skills, such as designing a plan for collecting data, analyzing data, applying mathematical routines, and connecting concepts in and across domains. The result will be readiness for the study of advanced topics in subsequent college courses — a goal of every AP course. Topics that will be covered are: evolution, cellular processes, energy and communication genetics and information transfer and interactions.	10	HEAVY

## Chemistry 化学

COURSE TITLE & NUMBER 课程名称及代码	DESCRIPTION 课程简介	Credits 学分 (5 or 10)	Classwork Load 课业压力 LIGHT MEDIUM HEAVY
Chemistry 化学 CHE203	<b>Prerequisite 选课前提:</b> None <b>DESCRIPTION 课程简介</b> General Chemistry covers fundamental concepts which are presented in lecture and laboratory, including measurement, properties of matter, states of matter, chemical reactions, stoichiometry, periodic table, atomic structure, chemical bonding, molecular structure, solutions, properties of gases, redox reaction, electrochemistry. Learning in English is emphasized.	5	LIGHT
AP Chemistry AP 化学 CHE501 	<b>Prerequisite 选课前提:</b> Must have earned a B or better in any Chem course AND B- in MATH501, MATH502, MATH503, MATH604, MATH606 or B in MATH205, MATH218, MATH301, MATH418, MATH428, MATH438. <b>DESCRIPTION 课程简介</b> AP Chemistry is a college level chemistry course which will cover the major technical and experimental principles in chemistry. Laboratory investigations throughout the course will lead the student towards an understanding of the real-world practical applications of chemistry. The course complies with the College Board's curriculum requirements, and culminates in the AP exam at the end of the year, where a student may earn college credit depending on their score.	10	HEAVY

## Physics 物理

COURSE TITLE & NUMBER 课程名称及代码	DESCRIPTION 课程简介	Credits 学分 (5 or 10)	Classwork Load 课业压力 LIGHT MEDIUM HEAVY
Physics 物理 PHY203  *Only for G11 and G12 in 2020	<b>Prerequisite 选课前提:</b> None. <b>DESCRIPTION 课程简介</b> This is an introductory course in the basic concepts of physics that emphasizes student participation. This lab-oriented course covers the fundamentals of Newtonian mechanics such as kinematics, Newton's Laws, 2-D motion, and work-energy theorem. Each topic begins with conceptual exploration and advances key ideas through induction and mathematical manipulation.	5	LIGHT
Physics 物理 PHY204	<b>Prerequisite 选课前提:</b> None. <b>DESCRIPTION 课程简介</b> This is an introductory course in the basic concepts of physics that emphasizes student participation. This lab-oriented course covers the fundamentals of Newtonian mechanics such as kinematics, Newton's Laws, 2-D motion, work-energy theorem, wave, optics, heat and energy, electromagnetism and nuclear physics. Each topic begins with conceptual exploration and advances key ideas through induction and mathematical manipulation. This course is also designed to cover part of SAT2 topic, specifically the part the is not covered in AP physics 1. This course would also help student to build a solid foundation for AP Physics 1 and AP Physics 2.	10	LIGHT
AP Physics 1 AP 物理 1 PHY501 	<b>Grade 10 Prerequisite 选课前提:</b> Must have earned a 70% or higher on the VMA English entrance exam AND an 80% or higher on the VMA science entrance exam. <b>Grade 11 &amp; 12 Prerequisite 选课前提:</b> Earned a B- or higher in PHY201, 202, or 203 OR BIO201,203, or 301 OR CHE203 208, or 218, AND B- or better in MATH 201, 203, 208, 301, 401, 501, 502, 503 or 604 <b>DESCRIPTION 课程简介</b> AP Physics 1 is a full-year course that is the equivalent of a first semester introductory college course in algebra-based physics. Students cultivate their understanding of physics through inquiry-based investigations as they explore topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits.	10	HEAVY
AP Physics 2 AP 物理 2 PHY502	<b>Prerequisite 选课前提:</b> Must have earned a B- or better in PHY201, 202, 203, 501, or 502, AND B- or better in MATH 201, 203, 208, 301, 401, 501, 502, 503 or 604 OR Teacher recommendation <b>DESCRIPTION 课程简介</b> AP Physics 2 is designed to enable students to develop reasoning skills as they study physical phenomena, using important science process skills, such as explaining causal relationships, applying and justifying the use of mathematical routines, designing experiments, analyzing data and making connections across multiple topics within the course. Topics covered: thermodynamics, fluid mechanics, electrostatics, circuits, magnetism and electromagnetic Induction, optics, quantum physics and nuclear physics.	10	HEAVY
AP Physics C: Mechanics AP 物理 C: 力学 PHY503  *Must be taken with PHY504	<b>Prerequisite 选课前提:</b> Must have earned an A- or better in AP Physics 501 or 502, a B- or better in Math 501 or 502 OR teacher recommendation. <b>DESCRIPTION 课程简介</b> AP Physics C: Mechanics is a half-year course equivalent to a semester-long, introductory calculus-based college course. It covers kinematics; Newton's laws of motion; work, energy, and power; systems of particles and linear momentum, circular motion and rotation; and oscillations and gravitation.	5	HEAVY
AP Physics C : Electricity and Magnetism AP 物理 C: 电磁学 PHY504  *Must be taken with PHY503	<b>Prerequisite 选课前提:</b> Must have earned an A- or better in AP Physics 501 or 502, a B- or better in Math 501 or 502 OR teacher recommendation. <b>DESCRIPTION 课程简介</b> AP Physics C: Electricity and Magnetism, a half-year course following Physics C: Mechanics, is equivalent to a semester long, introductory calculus-based college course and covers electrostatics; conductors, capacitors, and dielectrics; electric circuits, magnetic fields, and electromagnetism.	10	HEAVY

## Technology & Engineering 技术与工程

### Computer Science 计算机科学

COURSE TITLE & NUMBER 课程名称及代码	DESCRIPTION 课程简介	Credits 学分 (5 or 10)	Classwork Load 课业压力 LIGHT MEDIUM HEAVY
Information Technology 信息技术 CSE202	<b>Prerequisite 选课前提:</b> None. <b>DESCRIPTION 课程简介</b> The Information Technology course introduces students to computer science with fundamental topics that include problem solving, design strategies and methodologies, approaches to processing data (algorithms), and analysis of potential solutions. This course uses programming with code.org and codes.com. The concepts learned in these lessons span all programming languages and tools.	5	LIGHT
Programming with Python Python 编程 CSE205	<b>Prerequisite 选课前提:</b> None. <b>DESCRIPTION 课程简介</b> The Python programming language is one of the most popular around the world today – its readability and flexibility compared with other languages makes it easy to use in many fields and industries. Learning Python is an excellent language for those who are just beginning to code. We will cover basic programming structures such as variables types, input/output statements, conditions, loops, functions and class/object – basic components that will help to achieve basic concepts, such as efficiency and abstraction. The course will include weekly lab work, quizzes, a midterm, and a final project.	5	LIGHT
Programming with Java Java 编程 CSE 303	<b>Prerequisite 选课前提:</b> None <b>DESCRIPTION 课程简介</b> Programming with Java is the study of processes that interact with data that can be represented in the form of programs. It enables the use of algorithms to manipulate, store, and communicate digital information. This course will introduce fundamental concepts of computer science and programming language theory with Java that consists of design, implementation, and program analysis, all essential for solving practical problems. The objective is to develop hands-on programming skills. It includes procedural oriented programming knowledge such as if-else, loops, arrays, strings, and some object oriented programming, such as class and object. This class is intended for students with very little to no prior programming experience.	5	LIGHT
AP Computer Science A AP 计算机科学 CSE501	<b>Prerequisite 选课前提:</b> Must have earned an B+ in MATH205, MATH218, MATH301, MATH418, MATH428, MATH438 or B- in MATH501, MATH502, MATH503, MATH604, MATH606 or higher maths AND B+ or better in CSE202 , CSE205, CSE303 OR teacher's recommendation. <b>DESCRIPTION 课程简介</b> The year-long AP Computer Science A course is to teach Java programming and prepare the students for the AP CSA Exam. This course focuses on an object-oriented approach to problem solving using Java. It includes the study of common algorithms and the use of some of Java's built-in classes and interfaces for basic data structures. Prerequisites: Qualifying Math score (C); Qualifying Information Technology score (B); completion of Algebra and high school Information Technology course.	10	HEAVY
AP Computer Science Principles AP 计算机科学原理 CSE 502	<b>Prerequisite 选课前提:</b> B+ in any English AND B+ in any Math course AND A or better in CSE202 , CSE205, CSE303 <b>DESCRIPTION 课程简介</b> AP Computer Science Principles introduces students to basic components of computer science, instilling computational thinking that allowing students to understand how computing changes the world. Students develop innovative computation artifacts using the same creative process which artists, writers, computer scientists, and engineers use to bring ideas to life. This course appeals to a broader audience including those often underrepresented in computing, and emphasizes upon the vital impacts which computing has on people and society. This course goes beyond the study of machines and systems and gives students the opportunity to investigate computing innovations that span a variety of interests and examines the ethical implications of these new technologies.	10	HEAVY

### Engineering 工程学

COURSE TITLE & NUMBER 课程名称及代码	DESCRIPTION 课程简介	Credits 学分 (5 or 10)	Classwork Load 课业压力 LIGHT MEDIUM HEAVY
Programming with Electronics 电子编程 EGR309	<p><b>Prerequisite 选课前提:</b> Earned a B- or higher in one of the following: PHY 203, PHY502, PHY 503, PHY 504, PHY 200, CSE 202, CSE 205, CSE 206, CSE302, CSE305, ART 310, ART 314, ART 302 and ART 502</p> <p><b>DESCRIPTION 课程简介</b></p> <p>This course introduces the basis of electronics, the use of a micro-computer (arduino) and manufacturing tools (Laser Cutter/ 3D Printer). It aims to equip students with practical programming skills and engineering design experience. This course provides interdisciplinary learning in Engineering, Science and Art. Students will deliver multiple STEAM-based projects during their study and become experienced in 2D/3D design, electronics, programming and manufacturing. Knowledge in Physics, Engineering and Computer Science are favoured. Background in Art is a plus.</p>	5	MEDIUM
Robotics Engineering 机器人工程 EGR403	<p><b>Prerequisite 选课前提:</b> Teacher Recommendation with interview.</p> <p><b>DESCRIPTION 课程简介</b></p> <p>This course is designed to allow students to pursue their interests in a variety of areas related to robotics engineering while participating in a nationally recognized robotics in the US, First Robotics Competition (FRC). Students taking this class will study following objects: 3D engineering design using SolidWorks, mechanical fabrication/assembly, machining and handiwork using specific tools, electronics and programming with Java. The main focus of the course will be the design, fabrication, assembly, and programming of a competition robot.</p>	10	MEDIUM
Electronics Engineering 电子工程学 EGR409	<p><b>Prerequisite 选课前提:</b> Earned a B- or higher in one of the following: PHY 203, PHY502, PHY 503, PHY 504, PHY 200, CSE 202, CSE 205, CSE 206, CSE302, CSE305, ART 310, ART 314, ART 302 and ART 502 AND Teacher Recommendation with interview.</p> <p><b>DESCRIPTION 课程简介</b></p> <p>This course allows students with backgrounds in electronics and programming to develop their design ideas and form their engineering projects. A project theme will be given at the beginning of the course and students will work in small groups to deliver their engineering projects in this one-semester course.</p> <p>The following subjects will be embedded in this course to enrich students' engineering skill set: engineering drawing with AutoCAD, 2D fabrication with a laser machine, introduction to 3D printing, soldering techniques, introduction to PCB design and production.</p>	5	MEDIUM

## Math 数学

Welcome to the Mathematics department at VMA! The mathematics curriculum at VMA is designed to encourage students to challenge themselves and persevere through problem-solving, developing strong analytical and critical thinking skills, and reasoning abstractly using variables, functions, and logic. It provides students with opportunities to come face-to-face with real-world problems and to apply their newfound knowledge to develop innovative, relevant, and feasible solutions to problems. We also place a strong emphasis on the development of English in our department through our daily instruction in academic vocabulary and assessment strategies.

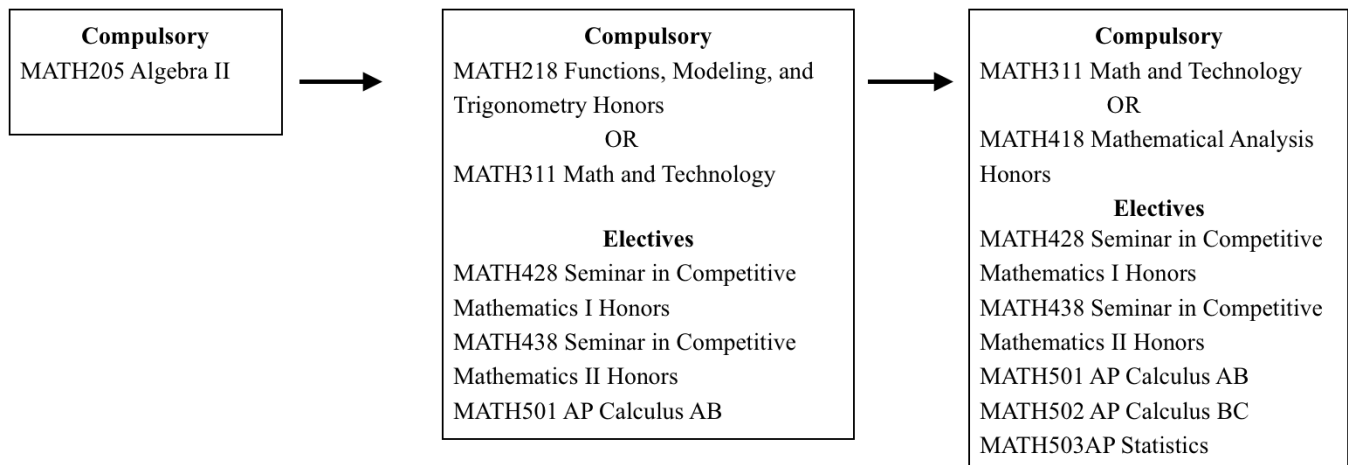
The Mathematics curriculum at VMA is both rigorous and flexible. We offer a US Common Core (with a focus in AP) curriculum. It allows students to study at a pace that is right for them, or move to a higher level of Mathematics should they feel they have attained the right motivation and prerequisites to do so. Our 600-level, post-AP, and elective courses are designed to challenge even the brightest of students and also give students the opportunity to experience and appreciate the beauty of Mathematics from a real-world perspective. The table below outlines the various pathways that can be considered:

## Subject Progression Map 科目进展图

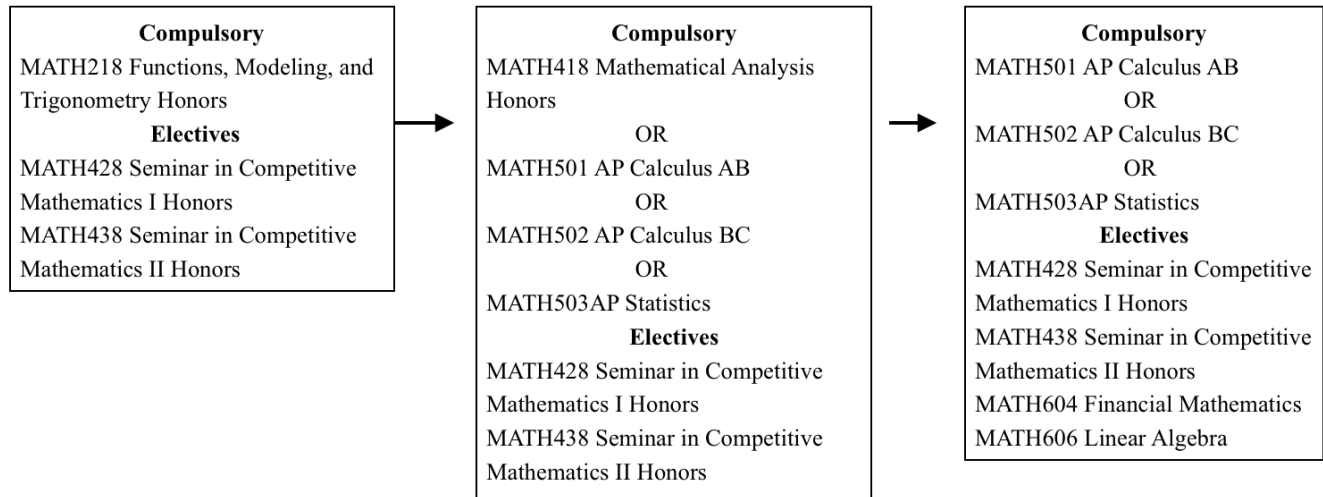
### MATHS

#### GRADE 10

##### Regular Progression



## AP/Honors Progression\*\*



**\*\*NOTE:** G10 will be allowed to register for AP Calculus AB (MATH501) or Mathematical Analysis (MATH418) if, and only if, they have satisfied the following requirements:

1. The student has met the high-level requirement in the benchmark/MAP test
2. The student has already completed Pre-Calculus in previous grades OR the student successfully completes an accredited online course for Pre-Calculus before the start of the academic year.
3. Receive approval from Department Chair

NOTE: In making course/elective selections, you should consult a member of the Mathematics Department as some courses may have specific prerequisites, or may not be offered during a given year due to low enrollment numbers

COURSE TITLE & CODE 课程名称及代码	DESCRIPTION 课程简介	Credits 学分 (5 or 10)	Classwork Load 课业压力 LIGHT MEDIUM HEAVY
Algebra II 基础代数 MATH205	<p><b>Prerequisite 选课前提:</b> Successful admission to VMA as per MAP test/requirements.</p> <p><b>DESCRIPTION 课程简介</b></p> <p>This is an introductory course that covers the real number system. Families of functions studied include: linear, quadratic, polynomial, exponential, logarithmic, rational and radical functions, the solution of simple equations and systems of equations and inequalities as well as more advanced topics such as sequences and series, vector and matrix algebra. Emphasis is placed on learning mathematical concepts in English through mathematical modelling and computational thinking.</p>	10	MEDIUM
Functions, Modelling and Trigonometry Honors 函数, 建模和三角学 (荣誉) MATH218	<p><b>Prerequisite 选课前提:</b> Successful admission to VMA as per MAP test/requirements or successful completion of Algebra II with at least a C-.</p> <p><b>DESCRIPTION 课程简介</b></p> <p>This is the targeted introductory course for grade 10 that covers the elementary theory of functions and present the most common and important types that are used, and mathematical techniques that are used to analyze, describe and evaluate them. Focus will be placed on quadratic and cubic polynomials functions, logarithmic and exponential functions, trigonometry, and equations and inequalities associated with them. Emphasis is placed on learning mathematical concepts through mathematical modelling and computational thinking.</p>	10	MEDIUM

Mathematics and Technology 数学与技术 MATH311	<p><b>Prerequisite 选课前提:</b> Successful completion of Functions, Modelling and Trigonometry with at least a B- or Algebra II with at least a B-.</p> <p><b>DESCRIPTION 课程简介</b></p> <p>This is a project-based course that focuses on the application of mathematical techniques, models and simple computational techniques to solve a range of problems (that maybe tailored to the student's interest) in IT, data science, the natural sciences, the social sciences, engineering, etc. The course will give students an introduction to the research process, statistical data analysis, programming, project management, and the role that mathematics and information technology plays in society. Students will grasp key knowledge and skills that will help them to prepare for the global environment.</p>	10	MEDIUM
Mathematical Analysis Honors 数学分析 (荣誉) MAT418	<p><b>Prerequisite 选课前提:</b> Successful completion of Functions, Modelling and Trigonometry with at least a B- or Algebra II with at least a B+ AND a teacher recommendation is also required.</p> <p><b>DESCRIPTION 课程简介</b></p> <p>In this course, we will cover the analysis and applications of polynomial functions, trigonometry, exponential and logarithmic functions and sequences and series. Additionally, techniques of calculus including limits, differentiation and integration will be introduced and applied to solving problems involving rates of change, numerical approximations and net differences in quantities. Emphasis will be placed on algebraic and analytical methods, problem solving techniques, and numerical computation. Students will have the opportunity to investigate popular applications in physics, applied mathematics and engineering through analysis of case studies, independent reading and reporting, and simple projects.</p>	10	HEAVY
Seminar in Competitive Mathematics I Honors 数学竞赛研讨 I (荣誉) MATH428	<p><b>Prerequisite 选课前提:</b> Successful completion of Functions, Modelling and Trigonometry or Mathematical Analysis with at least a B-.</p> <p><b>DESCRIPTION 课程简介</b></p> <p>This half-year course targets high school students who are serious about participating in the Mathematical Modelling, the Math League, the AMC and the Waterloo competitions. This course requires mastery of the knowledge and skills from Precalculus and may include additional topics such as number theory, geometry, combinatorics and calculus. The Mathematical Modelling, Math League and Waterloo contests are open to all students with suitable mathematical background. The focus of this course will be on preparing students for the AMC 10 competition which is usually taken by grade 10 students.</p>	5	HEAVY
Seminar in Competitive Mathematics II Honors 数学竞赛研讨 II (荣誉) MATH438	<p><b>Prerequisite 选课前提:</b> Successful completion of Functions, Modelling and Trigonometry or Mathematical Analysis with at least a B-.</p> <p><b>DESCRIPTION 课程简介</b></p> <p>This half-year course targets high school students who are serious about participating in the Mathematical Modelling, the Math League, the AMC and the Waterloo competitions. This course requires mastery of the knowledge and skills from Precalculus and may include additional topics such as number theory, geometry, combinatorics and calculus. The Mathematical Modelling, Math League and Waterloo contests are open to all students with suitable mathematical background. The focus of this course will be on preparing students for the AMC 12 competition which is usually taken by grade 11 students.</p>	5	HEAVY
AP Calculus AB AP 微积分 AB MATH501	<p><b>Prerequisite 选课前提:</b> Successful completion of Functions, Modelling and Trigonometry with at least an B+ or Basic Algebra with at least an A- or Mathematical Analysis with at least a B- AND a teacher recommendation is also required.</p> <p><b>DESCRIPTION 课程简介</b></p> <p>AP Calculus AB is a college-level mathematics course offered to exceptional mathematics students who have mastered every component of the Precalculus course. It covers the advanced theory of functions with particular emphasis on the analysis and applications of polynomial and rational functions, exponential and logarithmic functions, trigonometric functions. Emphasis will be placed on applications of calculus, computational methods and exam preparation</p>	10	HEAVY

AP Calculus BC AP 微积分 BC MATH502	<p><b>Prerequisite 选课前提:</b> Successful completion of Functions, Modelling and Trigonometry with at least an A- or Mathematical Analysis with at least a B- or AP Calculus AB with at least a B- AND a teacher recommendation is also required.</p> <p><b>DESCRIPTION 课程简介</b></p> <p>AP Calculus BC is a college-level mathematics course offered to exceptional mathematics students who have mastered every component of the Mathematical Analysis course, or have proved to be exceptional in the Pure Mathematics course. It is an extension of the AP Calculus AB course covering additional materials on real-valued vector functions, functions in polar coordinates, conic curves, and infinite series analysis. Emphasis will be placed on applications of calculus, computational methods and exam preparation.</p>	10	HEAVY
AP Statistics AP 统计 MATH503	<p><b>Prerequisite 选课前提:</b> Successful completion of Functions, Modelling and Trigonometry or Algebra II with at least an B- or Mathematical Analysis with at least a B- AND a recommendation from an English AND a Math teacher is also required.</p> <p><b>DESCRIPTION 课程简介</b></p> <p>AP Statistics is a college-level mathematics course offered to mathematics students who have mastered every component of the Functions and Modelling, Precalculus or Mathematics and Technology course. It covers the advanced theory of probability, random variables, data description and representation, and model-fitting. These have very important applications in solving real-world problems. Emphasis will be on statistical modelling, analysis of data, statistical computation and simulation of processes, and statistical decision-making.</p>	10	HEAVY
Financial Mathematics 金融数学 MATH604	<p><b>Prerequisite 选课前提:</b> Successful completion of Mathematical Analysis with at least an A- or ANY Mathematics-based AP course with at least a B+ AND a teacher recommendation is also required.</p> <p><b>DESCRIPTION 课程简介</b></p> <p>In this course students will study the application of mathematical methods to the solution of problems in finance. (Equivalent names sometimes used are quantitative finance, financial engineering, mathematical finance, and computational finance.) It draws on tools from probability, statistics, stochastic processes, and economic theory. This course will blend both mathematics and economic theory so students gain a deeper understanding of both and how they interact with each other in the context of financial instruments.</p>	10	MEDIUM
Linear Algebra 线性代数简介 MATH606	<p><b>Prerequisite 选课前提:</b> Successful completion of Mathematical Analysis with at least an A- or AP Calculus AP, or AP Calculus BC with at least a B-.</p> <p><b>DESCRIPTION 课程简介</b></p> <p>This is an introductory course that covers linear equations, matrix algebra, determinants, vector spaces, eigenvalues, eigenvectors, orthogonality and least squares, symmetric matrices and quadratic forms. Emphasis will be placed on independent reading and reporting on mathematical literature, application of theorems to solve problems and researching analytical methods and proof.</p>	10	MEDIUM

## Social Science 社会科学

Greetings! The Social Sciences Department at Vanke Meisha Academy offers diverse options for students to focus on their interests as well as prepare them to become engaged global citizens. Areas of study include World History, Economics, Business, Geography, Political Science, Research, Psychology, and Philosophy. Along with these numerous options, we provide Advanced Placement courses to expose students to the rigor of college-level courses. In addition, online-hybrid courses allow students to study independently, as well as the highly respected US Common Core options.

This multi-disciplinary approach provides courses that examine the human condition from a variety of evidence-based viewpoints while promoting mastery of the English Language. The scaffolding of language skills through reading, writing, and oral assessments is essential to a student's progress at VMA. Students are able to highlight their English Language progress through class participation, written assessment, and oral presentations. Our collective goal is to use content through project-based learning while building

literacy and critical thinking skills necessary to evaluate important issues in a complex world. Finally, the Social Science Curriculum at VMA focuses on content as well as skills that will empower students to be successful in the next steps of their educational career. The table below outlines the various pathways that can be considered:

## Subject Progression Map 科目进展图

### GRADE 10

#### Regular Track

<b>Compulsory</b>
RE203 Research Seminar I
AND
HIS302 Political and International Relations
<b>Electives</b>
HIS306 US History
PSY303 Psychology

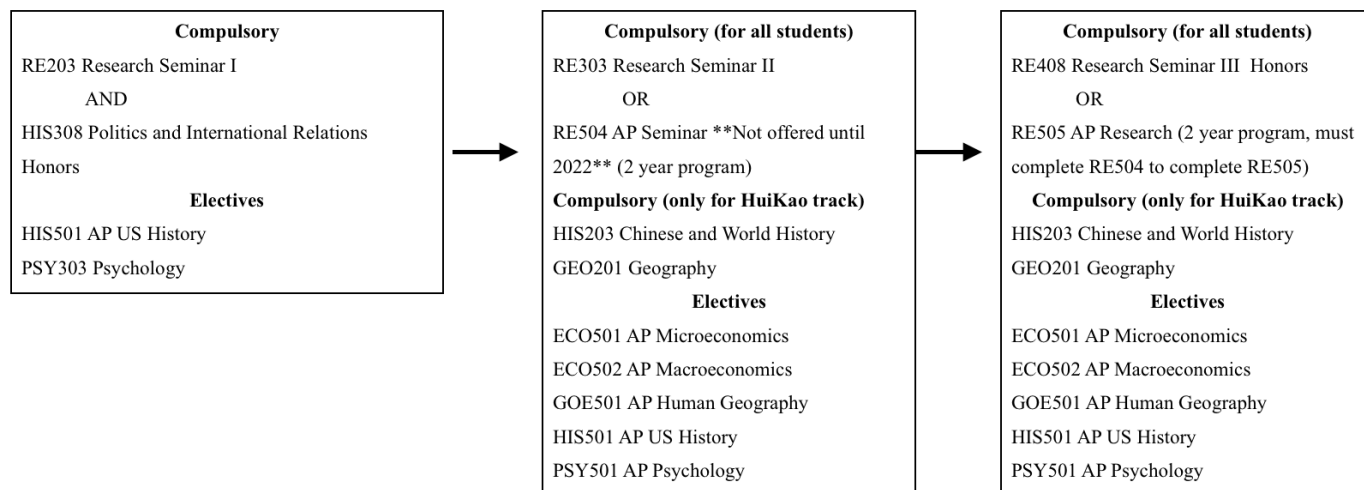
### GRADE 11

<b>Compulsory (for all students)</b>
RE303 Research Seminar II
<b>Compulsory (only for HuiKao track)</b>
HIS203 Chinese and World History
GEO201 Geography
<b>Electives</b>
ECO501 AP Microeconomics
ECO502 AP Macroeconomics
GEO501 AP Human Geography
HIS306 US History
HIS501 AP US History
PSY501 AP Psychology

### GRADE 12

<b>Compulsory (for all students)</b>
RE403 Research Seminar III
<b>Compulsory (only for HuiKao track)</b>
HIS203 Chinese and World History
GEO201 Geography
<b>Electives</b>
ECO501 AP Microeconomics
ECO502 AP Macroeconomics
GEO501 AP Human Geography
HIS306 US History
HIS501 AP US History
PSY501 AP Psychology

## AP/Honors Progression



**NOTE:** In making course/elective selections, you should consult a member of the Social Science Department as some courses may have specific prerequisites, or may not be offered during a given year due to low enrollment numbers.

## Course Description and Prerequisite 课程介绍和选课要求

COURSE TITLE & CODE 课程名称及代码	DESCRIPTION 课程简介	Credits 学分 (5 or 10)	Classwork Load 课业压力 LIGHT MEDIUM HEAVY
AP Microeconomics AP 微观经济学 ECO501	<p><b>Grade 10 Prerequisite 选课前提:</b> Must have earned a score of 226 or higher on the most recent reading MAP exam. Students must have a GPA of 3.7 or higher. Students meeting the minimum requirements may be asked to complete and submit the Social Science Department Teacher Recommendation form with approval from at least one teacher</p> <p><b>Grade 11 &amp; 12 Prerequisite 选课前提:</b> Students must pass their G10 English (ENG205 or ENG208) AND Math course (MATH205, MATH218, MATH301, MATH418, MATH501, or MATH502) with at least a B-</p> <p><b>DESCRIPTION 课程简介</b></p> <p>The course gives students a thorough understanding of the principles of economics that apply to the functions of individual decision-makers, both consumers and producers, within the economic system. Students will develop their ability to interpret and analyze economic phenomenon in the real world.</p> <p>Primary Language: English</p>	10	HEAVY
AP Macroeconomics AP 宏观经济学 ECO502	<p><b>Grade 10 Prerequisite 选课前提:</b> Must have earned a score of 226 or higher on the most recent reading MAP exam. Students must have a GPA of 3.7 or higher. Students meeting the minimum requirements may be asked to complete and submit the Social Science Department Teacher Recommendation form with approval from at least one teacher.</p> <p><b>Grade 11 &amp; 12 Prerequisite 选课前提:</b> Students must pass their G10 English (ENG205 or ENG208) AND Math course (MATH205, MATH218, MATH301, MATH418, MATH501, or MATH502) with at least a B-</p> <p><b>DESCRIPTION 课程简介</b></p> <p>The students will gain a thorough understanding of the principles of economics that apply to an economic system as a whole, with particular emphasis on the study of national income and price-level determination. Students will also develop familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. Students will develop their ability to interpret and analyze economic system as a whole in the real world.</p> <p>Primary Language: English</p>	10	HEAVY

Geography 地理 GEO201	<b>Prerequisite 选课前提:</b> none <b>DESCRIPTION 课程简介</b> Geography is the study of the materials of the Earth including nature geography, human geography, and regional geography. Students will recognize unifying themes that integrate the major topic of Earth and space science including weather, climate, water, ocean circulation and topography, natural resources, global sustainability. While studying human geography students will learn about the city, agriculture, industry, and population. Primary Language: English	5	MEDIUM
AP Human Geography AP人文地理 GEO501	<b>Prerequisite 选课前提:</b> Must have earned a score of 226 or higher on the most recent reading MAP exam. Students must have a GPA of 3.7 or higher. Students meeting the minimum requirements may be asked to complete and submit the Social Science Department Teacher Recommendation form with approval from at least one teacher. Students who have taken the AP Human Geography exam are not eligible to take the course. <b>DESCRIPTION 课程简介</b> AP Human Geography introduces students to the systematic study of patterns and process that have shaped human understanding, use, and alteration of earth's surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice. Primary Language: Chinese/English	10	HEAVY
Chinese and World History 中国与世界历史 HIS203	<b>Prerequisite 选课前提:</b> none <b>DESCRIPTION 课程简介</b> This course focuses on the political, military, economic and cultural development from the Xia Dynasty to the Qing Dynasty, aiming at improving students' ability of historical thinking and humanistic accomplishment. Primary Language: Chinese and English	5	LIGHT
Politics and International Relations 政治与国际关系 HIS302	<b>Prerequisite 选课前提:</b> None <b>DESCRIPTION 课程简介</b> Politics aims to encourage young people to think about and explore issues of global significance. Studying this course enables them to explore and make judgments about global issues of relevance and importance to their own lives. It offers learners opportunities to acquire, develop and apply skills in critical thinking, problem solving, research, communication, and collaboration. Primary Language: Chinese and English	5	MEDIUM
US History 美国历史 HIS304	<b>Prerequisite 选课前提:</b> Must have earned a score of 226 or higher on the most recent reading MAP exam. Students must have a GPA of 3.5 or higher. Students meeting the minimum requirements may be asked to complete and submit the Social Science Department Teacher Recommendation form with approval from at least one teacher. <b>DESCRIPTION 课程简介</b> The US History Online Hybrid course offers students the flexibility of earning credits online as well as an opportunity to study history abroad for one week in Washington, D.C. Aside from being the nation's capital, Washington, D.C. is famous for numerous historical landmarks, monuments and venues that cater to knowledge seekers of American history. Students will visit various museums, engage in research at the Library of Congress, and also explore American culture and local colleges. This course is offered in a blended format, that is conducted online using Powerschool and other online formats. This course will focus on strengthening student's reading, writing, and analytical skills in English. This interdisciplinary course of study includes U.S. History: 1491-1865. Primary Language: English & Study Abroad	10	MEDIUM

Politics and International Relations Honors 政治与国际关系 (荣誉) HIS308	<p><b>Prerequisite 选课前提:</b> Passing score of 226 or higher on the MAP Reading section. AND GPA of 3.3 or higher</p> <p><b>DESCRIPTION 课程简介</b>  Politics aims to encourage young people to think about and explore issues of global significance. Studying this course enables them to explore and make judgments about global issues of relevance and importance to their own lives. It offers learners opportunities to acquire, develop and apply skills in critical thinking, problem solving, research, communication, and collaboration. This course is taught at a faster pace with a heavy emphasis on research, writing, and debating.</p> <p>Primary Language: Chinese and English</p>	5	HEAVY
AP US History AP 美国历史 HIS501	<p><b>Grade 10 Prerequisite 选课前提:</b> Must have earned a score of 226 or higher on the most recent reading MAP exam. Students must have a GPA of 3.7 or higher. Students meeting the minimum requirements may be asked to complete and submit the Social Science Department Teacher Recommendation form with approval from at least one teacher.</p> <p><b>Grade 11 &amp; 12 Prerequisite 选课前提:</b> Students must pass their G10 English (ENG205 or ENG208)</p> <p><b>DESCRIPTION 课程简介</b>  AP United States History is a course designed to focus on the development of historical thinking skills (chronological reasoning, comparing and contextualizing, crafting historical arguments using historical evidence, and interpreting and synthesizing historical narrative) and an understanding of content learning objectives organized around seven themes, such as identify, peopling, and America in the world. This course will cover American history from the Pre-Columbian period to the present and will be taught in accordance with the AP U.S. History curriculum framework prepared by the College Board to prepare students for the AP U.S. History exam in May. Students enrolled are expected to sit for the exam in May to earn full credit for the course.</p> <p>Primary Language: English</p>	10	HEAVY
AP World History AP 世界史 HIS503	<p><b>Grade 10 Prerequisite 选课前提:</b> Must have earned a score of 226 or higher on the most recent reading MAP exam. Students must have a GPA of 3.7 or higher. Students meeting the minimum requirements may be asked to complete and submit the Social Science Department Teacher Recommendation form with approval from at least one teacher.</p> <p><b>Grade 11 &amp; 12 Prerequisite 选课前提:</b> Students must pass their G10 English (ENG205 or ENG208)</p> <p><b>DESCRIPTION 课程简介</b>  The course is designed to help students develop a greater understanding of the evolution of global processes and contacts as well as interactions between different types of human society. The course advances understanding through a combination of selective factual knowledge and appropriate analytical skills. Students study all prehistory and history, especially from 8000 BCE to present-day. Students enrolled are expected to sit for the exam in May to earn full credit for the course.</p> <p>Primary Language: English</p>	10	HEAVY
Psychology 心理学 PSY303	<p><b>Prerequisite 选课前提:</b> none</p> <p><b>DESCRIPTION 课程简介</b>  This is a course of introduction to psychology. Students will read and cite academic papers, gain a basic understanding of psychology, apply psychological theories to explain or predict people's behavior or certain phenomenon occurred in daily life, and deal with difficulties occurred in daily life with better solutions from psychological theories.</p> <p>Primary Language: Chinese and English</p>	5	MEDIUM

AP Psychology AP 心理学 PSY501	<p><b>Prerequisite 选课前提:</b> Must have earned a score of 226 or higher on the most recent reading and math MAP exam. Students must have a GPA of 3.7 or higher. Students meeting the minimum requirements may be asked to complete and submit the Social Science Department Teacher Recommendation form with approval from at least one teacher.</p> <p><b>DESCRIPTION 课程简介</b> AP Psychology provides a college-level introduction to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice.</p> <p>Primary Language: English</p>	10	HEAVY
Research Seminar I 学术研究研讨课 1 RE203	<p><b>Prerequisite 选课前提:</b> None.</p> <p><b>DESCRIPTION 课程简介</b> Students use a cross curricular approach to analyze real world topics through divergent perspectives. Students will practice analyzing a variety of primary and research-based sources and creates a synthesis of this information based on their newfound knowledge and personal perspective into a variety of presentation formats. This course prepares students to create and communicate evidence-based arguments at a collegiate level.</p> <p>Primary Language: English</p>	5	MEDIUM
Research Seminar II 学术研究研讨课 2 RE303	<p><b>Prerequisite 选课前提:</b> Students must successfully pass RE203</p> <p><b>DESCRIPTION 课程简介</b> Students use a cross curricular approach to analyze real world topics through divergent perspectives. Students will practice analyzing a variety of primary and research-based sources and creates a synthesis of this information based on their newfound knowledge and personal perspective into a variety of presentation formats. This course prepares students to create and communicate evidence-based arguments at a collegiate level.</p> <p>Primary Language: English</p>	5	MEDIUM
Research Seminar III 学术研究研讨课 3 RE403	<p><b>Prerequisite 选课前提:</b> Students must successfully pass RE303</p> <p><b>DESCRIPTION 课程简介</b> Students use a cross curricular approach to analyze real world topics through divergent perspectives. Students will practice analyzing a variety of primary and research-based sources and creates a synthesis of this information based on their newfound knowledge and personal perspective into a variety of presentation formats. This course prepares students to create and communicate evidence-based arguments at a collegiate level.</p> <p>Primary Language: English</p>	5	MEDIUM
Research Seminar III Honors 学术研究研讨课 3 (荣誉) RE408	<p><b>Prerequisite 选课前提:</b> Students must successfully pass RE303 AND Teacher Recommendation</p> <p><b>DESCRIPTION 课程简介</b> In the honors level course, students use a cross curricular approach to analyze real world topics through divergent perspectives at a more intensive level and pace. Students will practice analyzing a variety of primary and research-based sources and creates a synthesis of this information based on their newfound knowledge and personal perspective into a variety of presentation formats. This course prepares students to create and communicate evidence-based arguments at a collegiate level.</p> <p>Primary Language: English</p>	5	MEDIUM
AP Seminar AP 专题研究 1 (Part 1 of the two-part AP Capstone) RE504  **Not Offered until 2022**	<p><b>Prerequisite 选课前提:</b> Students must successfully pass an interview with the subject teacher</p> <p><b>DESCRIPTION 课程简介</b> Many challenging questions surround technology: Has it made our lives better or worse? Has it made the world safer or more dangerous? Has it improved or hindered communication? Has it promoted or distracted from learning? In this course, technology serves as a thematic playground on which to exercise and develop essential 21st-Century skills: critical thinking—including analysis, creation, interpretation, evaluation, and reasoning--critical reading, inquiry and research, framing arguments, persuasive writing, communication/presentation, and collaboration. These skills are engaged when looking at questions through multiple</p>	10	HEAVY

	<p>lenses, such as: socio-economic; political; environmental; and ethical. Course work includes research, presentations, debates, discussions, and public defense of well-considered positions. AP scores are based on three assessments: a team research project and presentation; an individual research project and presentation; and an end-of-course examination administered by the College Board. Successful students will demonstrate intrinsic motivation, courage to extend their comfort zones, and deep curiosity in grappling with ambiguity and working with peers, online communities, and professionals in the field to make a difference in the world. This course is a prerequisite for AP Research in the following year.</p> <p>Primary Language: English</p>		
<p>AP Research AP 专题研究 2 (Part 2 of the two-part AP Capstone) RE505</p>	<p><b>Prerequisite</b> 选课前提 Students must successfully pass AP Seminar RE504 meeting all of the requirements outlined by College Board.</p> <p>Primary Language: English</p>	10	HEAVY

## Chinese 语文

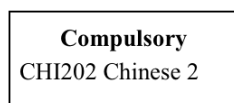
Welcome to the Chinese Department at VMA. With the purpose to cultivate global citizens with leadership and Chinese identity, we, as the first window to fulfill ‘Chinese identity’, integrates the contents of domestic teaching materials within the framework of modular teaching, also includes the innovative teaching mode of IB and other international Chinese curriculum, establishes the characteristic Chinese curriculum of VMA. Grade 10 students will focus on Chinese classical literature and Tang & Song poetry, then modern and contemporary Chinese literature (prose, poetry, novel, drama) in Grade 11, so as to establish a broad understanding of the history of Chinese literature and literary works; Grade 12 students can select specific modules for in-depth study by their own interest and expertise. Chinese Department aims to enhance students’ critical thinking skills, improve students’ ability of mother language usage and aesthetic taste. It integrates various teaching methods to improve students’ humanistic literacy, equip students with the analytical skills, critical awareness and sensitivity needed to meet the challenges of a world of increasing divides and conflicts.

万科梅沙书院语文科组致力于通过循序渐进的母语课程，培养具有中国精神的世界公民和领袖人才。作为践行“中国精神”的第一道窗口，语文科组在深圳中学导师的指导下进行个性化课程开发，在模块式教学的框架下整合国内多版本教材内容，并融合了 IB 等国际中文课程的创新教学模式，建立书院特色语文课程体系。10 年级学生将进行古典文学和唐诗宋词模块学习，11 年级进行中国现当代文学（散文、诗歌、小说、戏剧）模块学习，以建立对中国文学史和文学作品的广泛理解；12 年级学生则可根据自己的学习兴趣和特长，在多门课程中选择特定模块进行深入研究。课程以培养学生批判性思维、提升学生母语运用能力和审美情趣为导向，综合多种教学方法提升学生人文素养，开阔本土与全球视野，以应对不断变化的世界中的种种挑战。

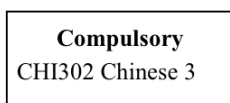
## Subject Progression Map 科目进展图

### GRADE 10

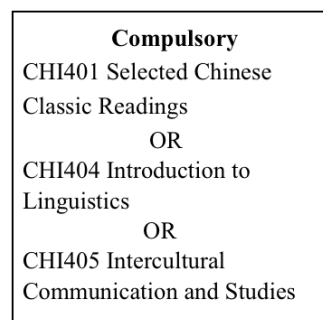
Regular Progression



### GRADE 11



### GRADE 12



语文科组课程的选课要求为：

1. 所有学生每学年应修毕对应程度的语文课，不可提前或延后（即 10 年级修 CHI202，11 年级修 CHI302，12 年级修 CHI400-405）；
2. 申请四年计划的学生，必须在前三年修完语文必修课学分。

Course Selection Requirement for Chinese Courses:

1. All students should take the equivalent Chinese compulsory course in each academic year as follows: Grade 10 - CHI202 , Grade 11 - CHI302 , Grade 12 - CHI400-405. Taking the course ahead or delay will not be permitted.
2. For students enrolled in 4-year program, they should finish all Chinese compulsory courses in first 3 academic years.

## Course Description and Prerequisite 课程介绍和选课要求

COURSE TITLE & CODE 课程名称及代码	DESCRIPTION 课程简介	Credits 学分 (5 or 10)	Classwork Load 课业压力 LIGHT MEDIUM HEAVY
Chinese 2 语文 2 CHI202	<b>Prerequisite 选课前提:</b> None <b>DESCRIPTION 课程简介</b> Ancient Chinese Literature reading, Poetry of Tang & Song Dynasties. 文言文选读、唐诗宋词选读。	5	MEDIUM
Chinese 3 语文 3 CHI302	<b>Prerequisite 选课前提:</b> Student must pass CHI202 <b>DESCRIPTION 课程简介</b> Collection of Chinese Modern Prose and Literature. 中国现当代文学作品选读（散文、诗歌、小说、戏剧）。	5	MEDIUM
Selected Chinese Classics Reading 中文经典文学作品研读 CHI401	<b>Prerequisite 选课前提:</b> Students must pass CHI202 and CHI302 <b>DESCRIPTION 课程简介</b> Students will select 3 Chinese classics from the list provided as the key readings of the semester. Students should be able to master the academic research methods of Chinese classics under the guidance of a teacher. Through the exploration of dissertations, literature, lectures, online courses and other resources, they can do in-depth research of multiple perspectives such as social background, characters, traditional culture and modern significance of those Chinese classics by personalized inquiry learning. Students will enhance their analysis ability of Chinese classics, establish their own cultural aesthetic orientation, and deepen their personal understanding of Chinese culture. 中文经典文学作品研读课程将从教师提供的文学作品书单入手，由学生从书单中挑选 3 本中文经典，作为本学期课程的重点研读书目。学生应能够在教师指导下掌握初步的学术研究方法，通过对论文、书籍、讲座、在线课程等多种资源的涉猎，就作品的社会背景、人物形象、传统文化、现代意义等多个角度进行文本精读，进行个性化的文学作品探究学习。通过此课程的学习，学生将进一步增强对文学作品的领悟和分析能力，建立自己的文化审美取向，加深个人的中华文化底蕴。	5	MEDIUM
Introduction to Linguistics 语言学入门 CHI404	<b>Prerequisite 选课前提:</b> Students must pass CHI202 and CHI302 <b>DESCRIPTION 课程简介</b> The focus of this course is linguistic phenomena and common laws between different languages. It is an interdisciplinary subject involving Chinese, modern language, psychology, neuroscience, communication, pedagogy, translation, computer science, engineering, etc. We mainly focus on the understanding and research of Chinese-dominated language phenomena and their development, supplemented by English and other languages, as well as the relationship between different languages. This course will introduce the concepts of phonetics, grammar, pragmatics and language acquisition in linguistics. It can be taken as pre-course for linguistics-related majors in college studies. 语言学入门是一门以语言学现象及不同语言之间的共同规律为研究对象的学问。它是一门交叉学科，涉及语文、现代语言、心理学、神经科学、传播学、教育学、译介学、计算机科学、工程学等。本课程着重了解和研究汉语为主的语言现象及其发展规律，辅以英语及其他语言以及不同语言之间的关系。本课程将对语言学中语音、语法、语用、语言习得等概念进行具体介绍，可作为大学语言学相关专业的先修课程导入。	5	MEDIUM

<p>Intercultural Communication and Studies 跨文化交际与研究 CHI405</p>	<p><b>Prerequisite 选课前提:</b> Students must pass CHI202 and CHI302</p> <p><b>DESCRIPTION 课程简介</b></p> <p>Course aims to integrate the relevant fields and topics of intercultural communication and cultural studies, lead students to explore a series of Chinese and foreign cultural phenomena they are experiencing. Course covers topics ranging from Intercultural Language and Non-verbal Communication, Racism and Culturalism, Media and Society, Gender and Identities, etc. The course incorporates a variety of perspectives and traditions between disciplines of literary theories, culture, history and philosophy. Students will develop sophisticated understanding of social change in everyday life through studying various cultural texts, popular cultural forms and new media. It aims to equip students with the analytical skills, critical awareness and sensitivity needed to meet the challenges of a world of increasing divides and conflicts.</p> <p>跨文化交际与研究课程意在将跨文化交际与文化研究的相关领域与专题相结合，通过一系列高中生感同身受的中外文化现象，探寻其背后的文学、文化、历史和哲学根源。课题涉猎跨文化的语言与非语言交际、种族与文化主义、媒体与再现、性别与身份等。课程跨越融合不同学科理论方法，着重文本研读、影像解构，关注大众文化现象背后的根源与隐喻，在寻常的日常生活解读不寻常，培养学生跨学科跨文化的知识触觉，开阔本土与全球视野，以应对不断变化的世界中的种种挑战。</p>	<p>5</p>	<p>MEDIUM</p>
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# Physical Education 体育

VMA is committed to building a high-performing and sustainable international school with students who pursue excellence in all that they do. The Latin adage “mens sana in corpore sano” encapsulates how we can accomplish this goal in physical education. To enable us to meet this high standard we must ensure that both our minds and our bodies are healthy. The physical education program at VMA blends the best of traditional Chinese and international physical education curricula to help improve students' physique and self-discipline and prepares a foundation for them to select personal lifelong fitness habits.

## Subject Progression Map 科目进展图

### GRADE 10

<b>Compulsory</b>
PE211 High School General PE
<b>Electives</b>
PE200 Aquatics
PE312 Rowing
PE316 Tennis



### GRADE 11

<b>Compulsory</b>
PE300 PE Individual Activity
OR
PE301 PE Team Activity
<b>Electives</b>
PE200 Aquatics
PE312 Rowing
PE316 Tennis



### GRADE 12

<b>Compulsory</b>
PE400 PE Individual Activity
OR
PE401 PE Team Activity
<b>Electives</b>
PE200 Aquatics
PE312 Rowing
PE316 Tennis

<b>PE SPORTS TEAMS**</b>
PE320 Boys Soccer
PE321 Tennis
PE322 Boys Volleyball
PE323 Cross Country
PE324 Girls Basketball
PE326 Girls Soccer
PE327 Girls Volleyball
PE329 Swim
PE330 Badminton
PE331 Rowing
PE332 Boys U16 Basketball
PE333 Boys U19 Basketball
PE334 Sailing
<b>**Note: Students may select a sports team in place of their compulsory PE course. Approval of joining the team will be determined through a tryout prior to course selections.</b>

## PE214 SPORTS LEADERSHIP\*\*

### NOTE:

\*\* G11 and G12 students may select this course in place of their compulsory PE course. Approval of joining the course will be determined through an interview prior to course selections.

\*\*G10 students may apply for this course as an elective, in addition to their compulsory course.

### Physical Education (PE) Course Notes:

1. The PE graduation credit requirements for students is a minimum of 15 credits.
2. All students must complete at least 1 PE course in each grade (10, 11, and 12).
3. Students in graduating years 2020, and 2021 must take a PE course in Grade 11 and 12, even if they have already met the 15-credit maximum.
4. All VMA students must complete Grade 10 PE. This requirement is waived for students who graduate in 2020 and 2021, if they meet the 15 credit requirements for PE (refer to #2 & #3).
5. Students may take more than 1 PE course if their schedule permits, however they may not take the same type (PE Individual Activity or PE Team Activity) of course in the same year.
6. If a student already has credit in a PE course, they may not retake the course to increase their GPA in that course.
7. Courses may not be offered if facilities or staffing becomes unavailable or if enrollment numbers in a course are below the pre-established minimums.

## Course Description and Prerequisite 课程介绍和选课要求

COURSE TITLE & CODE 课程名称及代码	DESCRIPTION 课程简介	Credits 学分 (5 or 10)	Classwork Load 课业压力 LIGHT MEDIUM HEAVY
Aquatics & Fitness 水上运动与健身 PE 200	<b>Prerequisite 选课前提:</b> Credit in PE211 <b>DESCRIPTION 课程简介</b> There are 2 components to this semester course (swimming and fitness). Learning to swim and being comfortable in the water is an important life skill. In addition to the fundamental skills taught, students will further develop their knowledge, skills, and appreciation of advanced aquatics skills at their individual readiness levels. These include breathing, floating, flutter kicking, arm strokes, treading water, exploring deep water, and stroke development. Students will also develop and analyze health related fitness components to guide them in the development of a quality personal fitness plan. Students will collect fitness data, develop personal goals, identify barriers to those goals and utilize safety procedures that will enhance their lifelong health and wellness.	5	LIGHT
High School General Physical Education 高中体育综合 PE211	<b>Prerequisite 选课前提:</b> Grade 9 physical education or equivalent <b>DESCRIPTION 课程简介</b> This compulsory, semester course provides students with an introduction to Martial Arts, Aquatics, PE Individual and PE Team Activities. This course also includes a life management (health) component. All students will take 1 unit of aquatics and fitness, 1 unit of martial arts, 1 individual activity, and 1 team activity. A student is exempt from taking this course if they are selected for a VMA Sports Team (this is not scheduled during blocks 1-8). Students may also enroll in a PE Sports leadership course for additional PE credit (this is not scheduled during blocks 1-8). Students may take more than 1 PE course if their schedule permits.	5	LIGHT

Sports Leadership 体育赛事管理 PE214	<p><b>Prerequisite 选课前提:</b></p> <p>1) Authorization from a previous physical education instructor or club sponsor 2) Authorization from the Director of Sports &amp; Physical Education</p> <p><b>DESCRIPTION 课程简介</b></p> <p>This year-long course is designed for students who have a strong desire to be involved in the management aspect of sports. Some of the activities that a sports leadership student can become involved with are; score and time keeping, sports photography, court officiating, club or team management, mascot, sports writing, or sports statistics. To meet the requirements for the course a student must accumulate a minimum of 60 hours of sports leadership activities. Students can complete the requirements in 1 semester or over both semesters. This course will be scheduled during PP1, PP2, or ESS however, students complete most of the classwork independently or when sports competitions are scheduled.</p>	5	MEDIUM
Grade 11 Physical Education: Individual Sport 11 年级体育：个人运动 PE300	<p><b>Prerequisite 选课前提:</b> Credit in PE211 or an equivalent G10 PE course</p> <p><b>DESCRIPTION 课程简介</b></p> <p>This semester course provides students with an introduction to PE Individual Activities. This course also includes a life management (health) component. All students will be exposed to 2 different activity units that will be determined by the course teacher. These may include (martial arts, table tennis, badminton, aquatics, orienteering, tennis, cross country running, track). A student is exempt from taking this course if they are selected for a VMA Sports Team or if they are enrolled in PE Sports Leadership (these courses are not scheduled during blocks 1-8). Students may take more than 1 PE course if their schedule permits.</p>	5	LIGHT
Grade 11 Physical Education: Team Sport 11 年级体育课：团队运动 PE301	<p><b>Prerequisite 选课前提:</b> Credit in PE211 or an equivalent G10 PE course</p> <p><b>DESCRIPTION 课程简介</b></p> <p>This semester course provides students with an introduction to PE Team Activities. This course also includes a life management (health) component. All students will be exposed to 2 different activity units that will be determined by the course teacher. These may include (basketball, soccer, softball, volleyball, ultimate frisbee, touch rugby, flag football). A student is exempt from taking this course if they are selected for a VMA Sports Team or if they are enrolled in PE Sports Leadership (these courses are not scheduled during blocks 1-8). Students may take more than 1 PE course if their schedule permits.</p>	5	LIGHT
Rowing 赛艇 PE 312	<p><b>Prerequisite 选课前提:</b> None</p> <p><b>DESCRIPTION 课程简介</b></p> <p>Rowing origins can be traced back to Ancient Egyptian times. This is a year-long course offered to help promote the sport of rowing at a recreational or competitive level. The skill demands concentration, discipline, physical strength and endurance, and teamwork. Many colleges actively recruit crew athletes and offer a whole range of scholarships and financial aid opportunities and competent rowers often present an attractive edge in the college application process. This course will be scheduled during PP1, PP2, or ESS. There will be a fee for this course.</p>	10	LIGHT
Tennis 网球 PE316	<p><b>Prerequisite 选课前提:</b> None</p> <p><b>DESCRIPTION 课程简介</b></p> <p>Tennis is an excellent lifetime sport played by men and women and enjoyed by millions of people throughout the age spectrum. Tennis is a mixture of aerobic work during long rallies and anaerobic work during vigorous spurts. In this semester course students will receive instruction on the basic strokes and learn offensive and defensive strategies, and the rules of the game that will prepare them for recreational and competitive play.</p>	5	LIGHT
Sports Team – Boys Soccer 运动队-男足 PE320	<p><b>Prerequisite 选课前提:</b></p> <p>1) Must be selected by the team coach following tryouts 2) Authorization from the team coach 3) Authorization from the Director of Sports &amp; Physical Education</p> <p><b>DESCRIPTION 课程简介</b></p> <p>This course is designed for students who have been selected to play on a VMA interscholastic sports team. Students will receive credit for their participation on the VMA interscholastic soccer team. To fulfill the requirements of this course a student must accumulate a minimum of 60 sports team hours by being an active member of the team. Students must also complete a written assignment for this course. This course will be scheduled during PP1, PP2, or ESS. There will be a fee for this course. If a student is not selected to the team, they will have to sign up for another PE course.</p>	5	MEDIUM
Sports Team – Tennis 运动队-网球 PE321	<p><b>Prerequisite 选课前提:</b></p> <p>1) Must be selected by the team coach following tryouts 2) Authorization from the team coach 3) Authorization from the Director of Sports &amp; Physical Education</p> <p><b>DESCRIPTION 课程简介</b></p> <p>This course is designed for students who have been selected to play on a VMA interscholastic sports team. Students will receive credit for their participation on the VMA interscholastic tennis team. To fulfill the requirements of this course a student must accumulate a minimum</p>	5	MEDIUM

	of 60 sports team hours by being an active member of the team. Students must also complete a written assignment for this course. This course will be scheduled during PP1, PP2, or ESS. There will be a fee for this course. If a student is not selected to the team, they will have to sign up for another PE course.		
Sports Team – Boys Volleyball 运动队-男排 PE322	<b>Prerequisite 选课前提:</b> 1) Must be selected by the team coach following tryouts 2) Authorization from the team coach 3) Authorization from the Director of Sports & Physical Education <b>DESCRIPTION 课程简介</b> This course is designed for students who have been selected to play on a VMA interscholastic sports team. Students will receive credit for their participation on the VMA interscholastic volleyball team. To fulfill the requirements of this course a student must accumulate a minimum of 60 sports team hours by being an active member of the team. Students must also complete a written assignment for this course. This course will be scheduled during PP1, PP2, or ESS. There will be a fee for this course. If a student is not selected to the team, they will have to sign up for another PE course.	5	MEDIUM
Sports Team – Cross Country 运动队-越野 PE323	<b>Prerequisite 选课前提:</b> 1) Must be selected by the team coach following tryouts 2) Authorization from the team coach 3) Authorization from the Director of Sports & Physical Education <b>DESCRIPTION 课程简介</b> This course is designed for students who have been selected to play on a VMA interscholastic sports team. Students will receive credit for their participation on the VMA interscholastic cross- country team. To fulfill the requirements of this course a student must accumulate a minimum of 60 sports team hours by being an active member of the team. Students must also complete a written assignment for this course. This course will be scheduled during PP1, PP2, or ESS. There will be a fee for this course. If a student is not selected to the team, they will have to sign up for another PE course.	5	MEDIUM
Sports Team – Girls Basketball 运动队-女子篮球 PE324	<b>Prerequisite 选课前提:</b> 1) Must be selected by the team coach following tryouts 2) Authorization from the team coach 3) Authorization from the Director of Sports & Physical Education <b>DESCRIPTION 课程简介</b> This course is designed for students who have been selected to play on a VMA interscholastic sports team. Students will receive credit for their participation on the VMA interscholastic basketball team. To fulfill the requirements of this course a student must accumulate a minimum of 60 sports team hours by being an active member of the team. Students must also complete a written assignment for this course. This course will be scheduled during PP1, PP2, or ESS. There will be a fee for this course. If a student is not selected to the team, they will have to sign up for another PE course.	5	MEDIUM
Sports Team – Girls Soccer 运动队-女子足球 PE326	<b>Prerequisite 选课前提:</b> 1) Must be selected by the team coach following tryouts 2) Authorization from the team coach 3) Authorization from the Director of Sports & Physical Education <b>DESCRIPTION 课程简介</b> This course is designed for students who have been selected to play on a VMA interscholastic sports team. Students will receive credit for their participation on the VMA interscholastic soccer team. To fulfill the requirements of this course a student must accumulate a minimum of 60 sports team hours by being an active member of the team. Students must also complete a written assignment for this course. This course will be scheduled during PP1, PP2, or ESS. There will be a fee for this course. If a student is not selected to the team, they will have to sign up for another PE course.	5	MEDIUM
Sports Team – Girls Volleyball 运动队-女子排球 PE327	<b>Prerequisite 选课前提:</b> 1) Must be selected by the team coach following tryouts 2) Authorization from the team coach 3) Authorization from the Director of Sports & Physical Education <b>DESCRIPTION 课程简介</b> This course is designed for students who have been selected to play on a VMA interscholastic sports team. Students will receive credit for their participation on the VMA interscholastic volleyball team. To fulfill the requirements of this course a student must accumulate a	5	MEDIUM

	<p>minimum of 60 sports team hours by being an active member of the team. Students must also complete a written assignment for this course. This course will be scheduled during PP1, PP2, or ESS. There will be a fee for this course. If a student is not selected to the team, they will have to sign up for another PE course.</p>		
<p>Sports Team – Swim 运动队-游泳 PE329</p>	<p><b>Prerequisite 选课前提:</b>            1) Must be selected by the team coach following tryouts            2) Authorization from the team coach            3) Authorization from the Director of Sports &amp; Physical Education  <b>DESCRIPTION 课程简介</b>            This semester course is designed for students who have been selected as athletes of the VMA Interscholastic Swim Team. Team tryouts will occur prior to the start of the 2020-21 school year. To fulfill the requirements of this course a student must accumulate a minimum of 60 sports team hours by being an active member of the team. Students must also complete a weekly written reflection. This course will be scheduled during PP1, PP2, or ESS.</p>	5	LIGHT
<p>Sports Team – Badminton 运动队-羽毛球 PE330</p>	<p><b>Prerequisite 选课前提:</b>            1) Must be selected by the team coach following tryouts            2) Authorization from the team coach            3) Authorization from the Director of Sports &amp; Physical Education  <b>DESCRIPTION 课程简介</b>            This course is designed for students who have been selected to play on a VMA interscholastic sports team. Students will receive credit for their participation on the VMA interscholastic basketball team. To fulfill the requirements of this course a student must accumulate a minimum of 60 sports team hours by being an active member of the team. Students must also complete a written assignment for this course. This course will be scheduled during PP1, PP2, or ESS. There will be a fee for this course. If a student is not selected to the team, they will have to sign up for another PE course.</p>	5	MEDIUM
<p>Sports Team – Rowing 运动队-赛艇 PE331</p>	<p><b>Prerequisite 选课前提:</b>            1) Must be selected by the team coach following tryouts            2) Authorization from the team coach            3) Authorization from the Director of Sports &amp; Physical Education  <b>DESCRIPTION 课程简介</b>            This is a year-long course designed for students who have been selected as athletes of the VMA Interscholastic Rowing Team. Team tryouts will occur prior to the start of the 2020-21 school year. To fulfill the requirements of this course a student must accumulate a minimum of 60 sports team hours by being an active member of the team. Students must also complete a weekly written reflection. This course will be scheduled during PP1, PP2, or ESS. There will be a fee for this course. If a student is not selected to the team, they will have to sign up for another PE course.</p>	10	MEDIUM
<p>Sports Team – Boys U16 Basketball 运动队-男子 U16 篮球 PE332</p>	<p><b>Prerequisite 选课前提:</b>            1) Must be selected by the team coach following tryouts            2) Authorization from the team coach            3) Authorization from the Director of Sports &amp; Physical Education  <b>DESCRIPTION 课程简介</b>            This semester course is designed for students who have been selected as athletes of the VMA Interscholastic Boys' U16 Basketball Team. Team tryouts will occur prior to the start of the 2020-21 school year. To fulfill the requirements of this course a student must accumulate a minimum of 60 sports team hours by being an active member of the team. Students must also complete a weekly written reflection. This course will be scheduled during PP1, PP2, or ESS. There will be a fee for this course. If a student is not selected to the team, they will have to sign up for another PE course.</p>	5	MEDIUM
<p>Sports Team – Boys U19 Basketball 运动队-男子 U19 篮球 PE333</p>	<p><b>Prerequisite 选课前提:</b>            1) Must be selected by the team coach following tryouts            2) Authorization from the team coach            3) Authorization from the Director of Sports &amp; Physical Education  <b>DESCRIPTION 课程简介</b>            This semester course is designed for students who have been selected as athletes of the VMA Interscholastic Boys' U19 Basketball Team. Team tryouts will occur prior to the start of the 2020-21 school year. To fulfill the requirements of this course a student must accumulate a minimum of 60 sports team hours by being an active member of the team. Students must also complete a weekly written reflection. This course will be scheduled during PP1, PP2, or ESS. There will be a fee for this course. If a student is not selected to the team, they will have to sign up for another PE course.</p>	5	MEDIUM

Sports Team-Sailing 运动队—帆船 PE334	<b>Prerequisite 选课前提:</b> 1) Must be selected by the team coach following tryouts 2) Authorization from the team coach 3) Authorization from the Director of Sports & Physical Education <b>DESCRIPTION 课程简介</b> This is a year-long course designed for students who have been selected as athletes of the VMA Interscholastic Sailing Team. To fulfill the requirements of this course a student must accumulate a minimum of 60 sports team hours by being an active member of the team. This course will be scheduled during PP1, PP2, or ESS. There will be a fee for this course. If a student is not selected to the team, they will have to sign up for another PE course.	10	MEDIUM
Grade 12 Physical Education: Individual Sport 12 年级体育 课：个人运动 PE400	<b>Prerequisite 选课前提:</b> Credit in PE330 or PE331 or an equivalent G11 PE course <b>DESCRIPTION 课程简介</b> This semester course provides students with an introduction to PE Individual Activities. This course also includes a life management (health) component. All students will be exposed to 2 different activity units that will be determined by the course teacher. These may include (martial arts, table tennis, badminton, aquatics, orienteering, tennis, cross country running, track). A student is exempt from taking this course if they are selected for a VMA Sports Team or if they are enrolled in PE Sports Leadership (these courses are not scheduled during blocks 1-8). Students may take more than 1 PE course if their schedule permits.	5	LIGHT
Grade 12 Physical Education: Team Sport 12 年级体育 课：团队运动 PE401	<b>Prerequisite 选课前提:</b> Credit in PE330 or PE331 or an equivalent G11 PE course <b>DESCRIPTION 课程简介</b> This semester course provides students with an introduction to PE Team Activities. This course also includes a life management (health) component. All students will be exposed to 2 different activity units that will be determined by the course teacher. These may include (basketball, soccer, softball, volleyball, ultimate frisbee, touch rugby, flag football). A student is exempt from taking this course if they are selected for a VMA Sports Team or if they are enrolled in PE Sports Leadership (these courses are not scheduled during blocks 1-8). Students may take more than 1 PE course if their schedule permits, however they may not take the same type of course in both semesters.	5	LIGHT

## Visual Arts 视觉艺术

Welcome to the Big Visual department. Here we seek to inspire fresh perspectives, provide an understanding of the role of art in contemporary culture, and encourage creativity and authenticity. Our foundation courses are accessible to students with zero experience. Students who have taken foundation courses and want to focus on certain skills may enroll in our advanced courses. These classes allow students both to develop technical proficiency and to grasp the creative process. For students who are seriously interested in art, we offer an art focus track. Students could use their elective credits to take more professional art classes offered in our art school VMAA. These classes focus on specific disciplines including painting, photography, filmmaking, fashion design, and etc. which allow serious art students to learn deeply and prepare for applications to art / design majors in college.

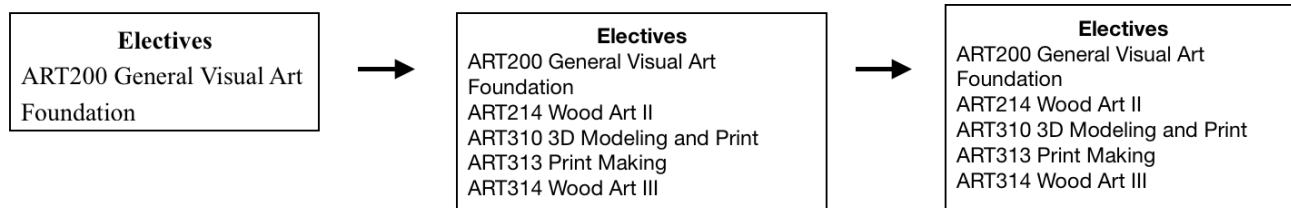
## Subject Progression Map 科目进展图

### GRADE 10

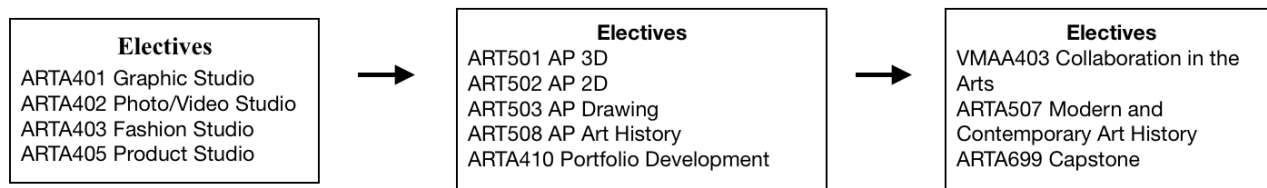
### GRADE 11

### GRADE 12

#### Regular Track



#### Art Focus/Advanced Track\*\*



**\*\*Note:** An additional STUDIO FEE must be paid once are confirmed transfer to Art Track.

## Course Description and Prerequisite 课程介绍和选课要求

COURSE TITLE & CODE 课程名称及代码	DESCRIPTION 课程简介	Credits 学分 (5 or 10)	Classwork Load 课业压力 LIGHT MEDIUM HEAVY
General Visual Art Foundation 视觉艺术基础课 ART200	<b>Prerequisite 选课前提:</b> None <b>DESCRIPTION 课程简介</b> This course will teach students basic knowledge of Visual art. Students will learn basic art and design knowledge through wood carving, printmaking, painting and 3D modeling.	5	LIGHT
Wood Art II 木艺 2 ART214	<b>Prerequisite 选课前提:</b> None <b>DESCRIPTION 课程简介</b> This course will teach students basic knowledge of wood art. Students will learn how to recognize different kinds of wood, how to use hand tools to make woodworks and basic Chinese traditional woodcraft.	5	LIGHT
Design Thinking 设计思维 ART303	<b>Prerequisite 选课前提:</b> None. <b>DESCRIPTION 课程简介</b> Design Thinking is a process for innovating, and in this course students will learn it by doing: they will observe problems in the world around them; research what people need/want in a solution to that problem; interpret and prioritize those needs/wants; brainstorm solutions; create and test prototypes; and evaluate the results. This is a problem-based course in which students undertake a series of projects through which they learn and practice Design Thinking principles that can be applied to real life.	5	LIGHT
Print Making 版画 ART313	<b>Prerequisite 选课前提:</b> Students must pass ART200 <b>DESCRIPTION 课程简介</b> Through various types of experiments and exercises of printmaking students will enhance their knowledge and understanding of print art, and develop students' creativity and skill. This course includes : Different types of painting art. The history and development of printmaking. Different types of printmaking. Printmaking and printing techniques. Appreciation	5	MEDIUM

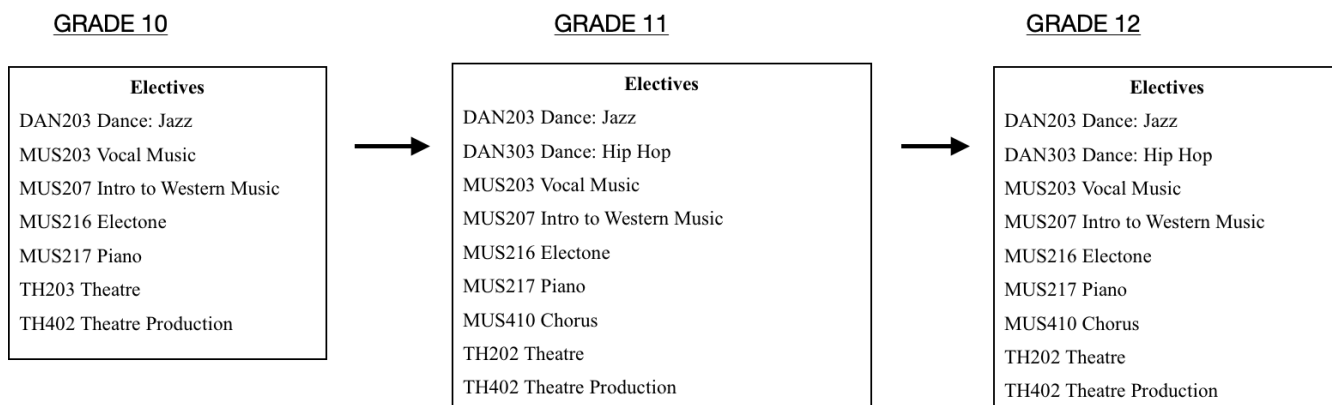
	of classical prints. Introduction to contemporary art works of Printmaking.		
Wood Art III 木艺 3 ART314	<b>Prerequisite 选课前提:</b> Students must pass ART200 <b>DESCRIPTION 课程简介</b> This course is an advanced course for students who have taken wood art II and have serious interests in wood art. Students will learn how to use more complicated tools including heavy electronic machines. Deeper critical thinking is also required in this course.	5	MEDIUM
3D Modeling and Print 3D 打印 ART310	<b>Prerequisite 选课前提:</b> Students must pass ART200 <b>DESCRIPTION 课程简介</b> This course is an advanced course for students who have learned basic 3D modeling skill in general visual art foundation course. Further skills such as parametric design will be introduced in this course.	5	MEDIUM
Graphic Studio 图形工作室 ARTA401	<b>Prerequisite 选课前提:</b> Must be a VMAA student or an art focus student <sup>[[1]]</sup> <b>DESCRIPTION 课程简介</b> In this beginning design course, students will learn basic skills of graphic design, illustration with both physical and digital media.	10	MEDIUM
Photo and Film Studio 摄影电影工作室 ARTA402	<b>Prerequisite 选课前提:</b> Must be a VMAA student or an art focus student <sup>[[1]]</sup> <b>DESCRIPTION 课程简介</b> This course is designed for students have serious interests in photography, video art and film. Students will learn advanced skills and knowledge in photography.	10	MEDIUM
Fashion Studio 时装工作室 ARTA403	<b>Prerequisite 选课前提:</b> Must be a VMAA student or an art focus student <sup>[[1]]</sup> <b>DESCRIPTION 课程简介</b> This course is designed for students have serious interest in fashion design and soft sculpture. Students will learn advanced skills and knowledge in fabric art.	10	MEDIUM
Product Studio 产品工作室 ARTA405	<b>Prerequisite 选课前提:</b> Must be a VMAA student or an art focus student <b>DESCRIPTION 课程简介</b> This course is designed for students have serious interests in industrial design, 3D modeling and product design. Main media in this course would be ceramic and 3D print.	10	MEDIUM
Portfolio Development 作品集创作 ARTA410	<b>Prerequisite 选课前提:</b> This is a required course for all 11th grade VMAA students. It is open to VMA art track students too. <b>DESCRIPTION 课程简介</b> Students will learn how to build a professional portfolio based on the major they want to apply in college. Each student will pick a studio from Graphic, Fashion, Space, Fine Art and Photo/Video and they will spend a tremendous amount of time with their major tutor and have private classes. This class is graded on a Pass/Fail scale.	10	MEDIUM
AP 3-D Art and Design AP 3-D 艺术与设计 ART501	<b>Prerequisite 选课前提:</b> Must be a VMAA student or an art focus student <b>DESCRIPTION 课程简介</b> The AP Studio Art: 3-D Design is for students who's better at objects and seriously interested in pursuing a related major in college. There is no desired or dictated method of approaching the three-dimensional form. It is important that students learn to express themselves in their own personal style. Students learn that art making is an ongoing process in which they create, review, make modifications, and explore variations as they make critical decisions and develop their art forms.	10	HEAVY
AP 2-D Art and Design AP 2-D 艺术与设计 ART502	<b>Prerequisite 选课前提:</b> Must be a VMAA student or an art focus student <b>DESCRIPTION 课程简介</b> The AP Studio Art: 2-D Design course is designed for students who are seriously interested in the practical experience of art and wish to develop mastery in concept, composition, and execution of their ideas. AP Studio Art is not based on a written exam; instead, students submit portfolios for evaluation at the end of the school year. In building the portfolio, students experience a variety of concepts, techniques, art mediums, and approaches designed to help them demonstrate their abilities as well as their versatility with specific techniques, problem solving, and ideation. Students also develop a body of work for the Concentration section of the portfolio that investigates an idea of personal interest to them.	10	HEAVY
AP Drawing AP 绘画 ART503	<b>Prerequisite 选课前提:</b> This is a required course for all 10th grade VMAA students. It is open to VMA art track students too. <sup>[[1]]</sup> <b>DESCRIPTION 课程简介</b> The AP Studio Drawing course is designed for students who are seriously interested in the practical experience of art and wish to develop mastery in concept, composition, and execution of their ideas. AP Studio Art is not based on a written exam; instead, students submit portfolios or evaluation at the end of the school year. In building the portfolio, students experience a variety of concepts, techniques and approaches designed to help them demonstrate their abilities as well as their versatility with techniques, problem solving, and ideation.	10	HEAVY

AP Art History AP 艺术史 HIS508	<b>Prerequisite 选课前提:</b> Must be a VMAA student or an art focus student. <b>DESCRIPTION 课程简介</b> AP Art History is designed to allow students to examine major forms of artistic expression relevant to a variety of cultures evident in wide variety of periods from the present time into the past. Students acquire an ability to examine works of art critically, with intelligence and sensitivity, and to articulate their thoughts and experiences. The main topic is European Art, with focuses on African, Hindu, South and East Asian, Islamic, and Prehistoric art.	10	HEAVY
Modern and Contemporary Art History 现当代艺术史 ARTA507	<b>Prerequisite 选课前提:</b> This course is required for all VMAA G12 students. It is open to VMA G12 art track students too <b>DESCRIPTION 课程简介</b> This course is designed for students have serious interests in art history and art management. They will learn contemporary art in a very critical way.	10	MEDIUM
Capstone 顶石 ARTA699	<b>Prerequisite 选课前提:</b> This course is required for all VMAA G12 students. It is open to VMA G12 art track students too <b>DESCRIPTION 课程简介</b> The VMAA capstone is a year long project in which students showcase the research and communication skills they have learned at VMAA while developing a project of use to them as an artist. Students will do an original site based installation project, and write a senior essay,. All projects involve a written and oral portion. This course is designed entirely by students in consultation with their teacher, including assessments and deadlines.	10	HEAVY
Collaboration in the Arts 艺术合作 VMAA403	<b>Prerequisite 选课前提:</b> This course is required for all VMAA G12 students. It is open to VMA G12 art track students too <b>DESCRIPTION 课程简介</b> In this course, students will work in groups to create a multi-media art project. Through the artistic creative process, students will learn the skills of design thinking, including research, observation, empathy, prototyping, and revising. Projects will be designed and implemented to serve a positive role in the VMA or Shenzhen community.	5	HEAVY

## Performing Arts 表演艺术

Welcome to VMA performing arts class. Our performing arts curriculum is dedicated to creating different viewing, listening and performing feasts. Each course will cultivate students' creativity and artistic thinking ability in different degrees. In the music course, you can not only feel the charm of music, improve the aesthetic cultivation of music, but also learn a music skill. Performing arts and performing arts courses can not only improve students' professional skills in performing arts, but also improve their English speaking, reading and writing skills in storytelling course. In chorus class and show choir class, you can also feel the cooperation of groups and the beautiful enjoyment of vocal cords. In addition to learning skills in the course, you can also apply what you learned in the classroom through different performance activities in each semester, such as spring performance in drama class, summer performance, VMA's annual New Year Gala and Art Festival series activities. Different styles of dance courses will take you to understand the elegant ballet, the hot hip-pop and the charming jazz. Our basic courses are all for the students with zero foundation. At the same time, we offer advanced courses for the students who have completed the basic courses and want to improve their performance skills. What are you waiting for? Come to VMA performance art course to explore your creativity!

## Subject Progression Map 科目进展图



## Course Description and Prerequisite 课程介绍和选课要求

COURSE TITLE & CODE 课程名称及代码	DESCRIPTION 课程简介	Credits 学分 (5 or 10)	Classwork Load 课业压力 LIGHT MEDIUM HEAVY
Dance: Jazz 舞蹈：爵士舞 DAN203	<b>Prerequisite 选课前提</b> : None <b>Student number limit 人数限制</b> : Less than 20 students <b>DESCRIPTION 课程简介</b> Jazz borrows from several related dance and music styles such as tap, ballet, jazz music, and African-American rhythms and dance. In this introductory course, students will learn about the history of jazz, dance terminology, and perform jazz moves and dances.	5	MEDIUM

Dance:: Hip-Hop 舞蹈：街舞 DAN303	<b>Prerequisite</b> 选课前提: Earn an A in Dance 203 or Teacher Recommendation <b>Student number limit</b> 人数限制: Less than 20 students <b>DESCRIPTION</b> 课程简介 Street dance, also known as hip-hop, includes styles primarily performed to hip hop music, evolving as part of hip-hop culture. In this beginning class, students will learn about the evolution of hip-hop as a dance form, related dance terminology, and will learn to perform basic moves, culminating in a class performance.	5	MEDIUM
Vocal Music 声乐 MUS203	<b>Prerequisite</b> 选课前提: none <b>Student number limit</b> 人数限制: 25-30 students <b>DESCRIPTION</b> 课程简介 This course is open to students having no vocal foundation. Read an instrumental or vocal score of up to focus staves and explain how the elements of music are used. Knowledge of musical notation or instrumental music is helpful in this course. Identify and explain a variety of compositional devices and techniques used to provide unity, variety, tension, and release in aural examples. Students will learn and understand different methods of vocal singing and how to inject emotion into a performance. The students will use professional music language to describe music. Students will evaluate and learn from each other in professional language in the classes.	5	MEDIUM
Introduction to Western Music 西方音乐概论 MUS207	<b>Prerequisite</b> 选课前提: none <b>DESCRIPTION</b> 课程简介 This interactive theory course explores the history, appreciation and analysis of Western music and the musicians who set the course for Western music. Students will use professional music language and music terminology.	5	MEDIUM
Electone 双排键 MUS216	<b>Prerequisite</b> 选课前提: None <b>DESCRIPTION</b> 课程简介 This course is a performance subject, but also includes music theory, such as music terminology, notation, pitch, rhythm, rhythm, harmony and composition. Students learn and understand various musical forms and styles through the performance of Electone, such as symphony, rock and roll, Chinese folk music, Samba music, etc. The purpose is to improve the students' basic music quality, master the basic music knowledge, enhance the music sense and creativity, and have music thinking. This course is open to students with no musical experience and other instrumental experience	5	MEDIUM
Piano 钢琴 MUS217	<b>Prerequisite</b> 选课前提: The course is open to hardworking students with no musical foundation. <b>Student number limit: 15 students</b> <b>DESCRIPTION</b> 课程简介 In this introductory course, students will learn music appreciation, basic piano skills, music terminology, and a brief history of piano.	5	MEDIUM
Chorus 合唱 MUS410	<b>Prerequisite</b> 选课前提: Earned a B+ or higher in MUS203 or teacher recommendation. <b>Student number limit: 30-60 students</b> <b>DESCRIPTION</b> 课程简介 This course is an advanced course of MUS410. In this course, students will sing more difficult chorus works to further improve their harmony awareness and group cooperation ability. Report performance at the end of the term. In the music theory section, students will be asked to analyze works and modes. Students will conduct some simple choral works to master the choral conductor's diagram and rehearsal methods. <b>Repeatable for credit</b>	10	HEAVY
Theatre 戏剧 TH202	<b>Prerequisite</b> 选课前提: None <b>DESCRIPTION</b> 课程简介 In this beginning theatre class, students will create, perform, respond to, and analyze theatre through a variety of hands on and sensory experiences. Student will learn skills and language specific to theatre through group and individual creative projects.	5	HEAVY

Theatre Production 戏剧创作 TH402	<p><b>Prerequisite</b> 选课前提: Successful completion of Theatre 2</p> <p><b>DESCRIPTION</b> 课程简介</p> <p>Theatre Production: In this course, students will audition for, rehearse, and perform in the VMA production. In addition to building acting skills, and by virtue of participating in a full-scale production, students will engage in creative and independent thinking, character analysis, collaboration and ensemble, specified movement, stage make-up application, and English pronunciation. Through production, students will learn to make connections to other art forms and careers.</p> <p><b>Repeatable for credit</b></p>	5	<b>HEAVY</b>
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# 万科梅沙艺术学院

V A N K E M E I S H A A R T S A C A D E M Y

Vanke Meisha Arts Academy is a wing of Vanke Meisha Academy which trains talented children for careers in the visual and performing arts. Admission to our program is based on audition or portfolio review. Our classes are designed to give students the comprehensive education to blossom into well-rounded artists and masters of their chosen craft. Each student receives weekly individualized attention from our teaching staff and time to work on practicing their craft individually. Students' skill development is augmented in applied courses including Studio Classes (Wood Art, Printmaking, Pottery, Painting, 3D Design, 2D Design, and more), and ensemble (Orchestra, Chorus, Chamber Music). Third, our programs emphasize deep knowledge of the theory and context of the profession our students study. Students must enroll in two years of history and four years of theory in order to graduate from our program. Through analysis of texts, development of arguments, and projects bridging the artistic disciplines, our academic classes teach students the skills of critical inquiry, knowledge acquisition, and creative synthesis across the arts. Finally, students at Vanke Meisha Arts Academy enroll in academic classes at Vanke Meisha Academy, including Maths, English, Science, and Electives. VMAA students will find detailed information on each department's course listings within the VMA Course Catalog. VMAA offers a four-year course progression.

## VMAA Subject Progression Map 科目进展图

### Visual Arts

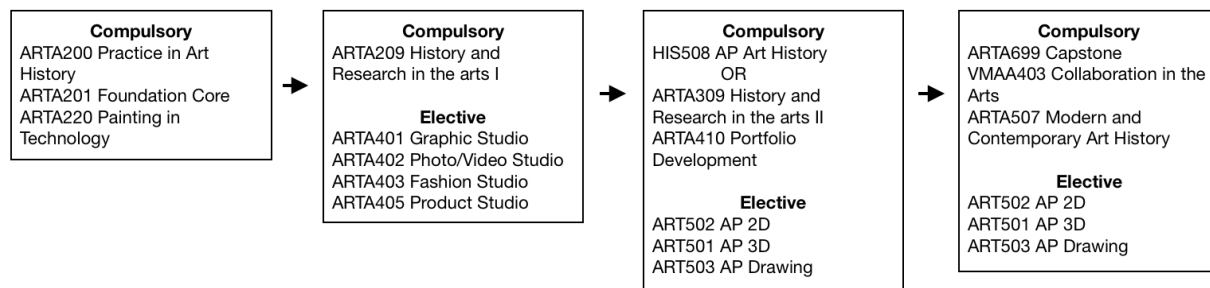
#### Year 1

#### Year 2

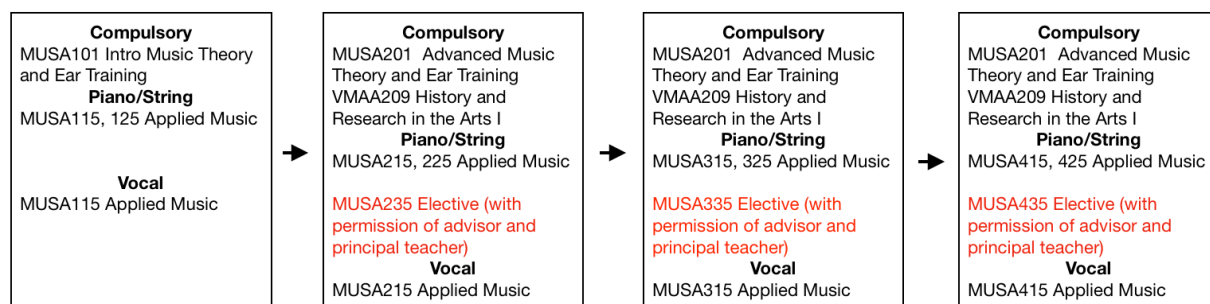
#### Year 3

#### Year 4

#### VMAA Visual Arts Course Pathway



#### VMAA Music Course Pathway



## VMAA Graduation Requirements 毕业学分要求

VMAA students may find detailed options for all classes listed in **RED** on each department's individual course listings within the VMA Common Core Course Catalog. All other courses are described below. Students may place into Year 2 of the music program or the Visual Artist Diploma based on audition and entrance exam results.

	Year 1	Year 2	Year 3	Year 4
<b>English (40)</b>	English (10)	English (10)	English (10)	English (10)
<b>Math (30)</b>	Math (10)	Math (10)	Math (10)	—
<b>Science (20)</b>	Science OR Phys/Chem (10)	Science OR Phys/Chem (10)	—	—
<b>Computer Science (5)</b>	—	—	Computer Science (5)	
<b>Chinese (20)</b>	Chinese (10)	Chinese (10)	—	—
<b>PE (15)</b>	PE/Health (5)	PE211 (5)	PE (5)	—

<b>Collaborative Arts Courses (25)</b>		History and Research in the Arts I (10) (VMAA209)	AP Art History / History and Research in the Arts II (10) (HIS502/VMAA309)	Collaboration in the Arts (5)
<b>Visual Arts Major (160)</b>	Practice in Art History (10) (ARTA200) Foundation Core (10) (ARTA203)  Painting in Technology (10) (ART220)	Art Studio (30) (Pick 3 from any Studio Course) (ARTA401/402/403/406)	AP Studio (10) (Pick 1 from any AP Studio Course) (ART501/502/503) Portfolio Development (20) (ARTA600)	AP Studio (10) (Pick 1 from any AP Studio Course) (ART501/502/503) Modern/Contemporary Art History (10) (ARTA407)  Capstone (10) (ARTA699)
			Electives (40)	
<b>Music Major (180)</b>	Introduction to Music Theory and Ear Training (10)	Advanced Music Theory and Ear Training (10)	AP Music Theory (10)	Capstone (10)
	MUSA101	MUSA201	MUSA501	MUSA699
	Applied Music/Elective* (20)	Applied Music/Elective (20)	Applied Music/Elective (20)	Music Elective (5)
	MUSA115/125	MUSA215/225	MUSA315/325	Applied Music/Elective (20)
	Ensemble (10)	Chamber Music (5)	Chamber Music (5)	MUSA415/425
	MUSA410/414	MUSA413	MUSA413	Chamber Music (5)
		Choir/Orchestra (10)	Choir/Orchestra (10)	MUSA413
		MUSA410/414	MUSA410/414	Choir/Orchestra (10)
				MUSA410/414
<b>Social Practice</b>	Community Service (5)			

**\*Vocal students must take at least one year of a foreign language besides English (either Spanish or German) for classical majors, or two semesters of Theater for Musical Theater majors.**

## Visual Arts Department

The VMAA visual art program is a four year program designed for young artists. In the first two years, students experiment with many different media, including painting, ceramics, software learning, 3D modeling, photography, and space design. Upon entering grade 11, students pick a concentration to focus on and build their portfolio for college applications. Concentrations include fine art, architecture design, product design, animation, illustration, graphic design, photography, and video art. Besides studio art courses, we offer art history and cross-disciplinary academic instruction, including a one-year research course on European Art and cultural history, and a capstone project students complete in their final year. Skills are emphasized throughout all academic courses, including analysis of texts and artworks, creative problem solving, collaboration, English language learning, and logical argumentation. By creating art, students learn to explore their own ideas and experiences and express themselves visually. By learning art

history and research, students learn to connect art with its historical and social background and express themselves logically.

## Visual Art Courses 视觉艺术课程

### Course Description and Prerequisite 课程介绍和选课要求

COURSE CATALOG 课程类别	COURSE TITLE & NUMBER 课程名称及代码	DESCRIPTION 课程简介	Credits 学分 (5 or 10)	Classwork Load 课业压力 LIGHT MEDIUM HEAVY
Studio 工作室	Foundation Core 基础核心课 ARTA201	<b>Prerequisite 选课前提:</b> This course is required for all VMAA G9 students. It is NOT open to VMA students <b>DESCRIPTION 课程简介</b> Students will learn basic rules, theory, philosophy and history through multiple media such as ceramic, print art, wood art and 3D print. Each media will be given about 6-9 weeks.	10	MEDIUM
	AP 3-D Art and Design AP 3-D 艺术 与设计 ART501	<b>Prerequisite 选课前提:</b> Must be a VMAA student or an art focus student <b>DESCRIPTION 课程简介</b> The AP Studio Art: 3-D Design is for students who's better at objects and seriously interested in pursuing a relative major in college. There is no desired or dictated method of approaching the three-dimensional form. It is important that students learn to express themselves in their own personal style. Students learn that art making is an ongoing process in which they create, review, make modifications, and explore variations as they make critical decisions and develop their art forms.	10	HEAVY
	AP 2-D Art and Design AP 2-D 艺术 与设计 ART502	<b>Prerequisite 选课前提:</b> Must be a VMAA student or an art focus student <b>DESCRIPTION 课程简介</b> The AP Studio Art: 2-D Design course is designed for students who are seriously interested in the practical experience of art and wish to develop mastery in concept, composition, and execution of their ideas. AP Studio Art is not based on a written exam; instead, students submit portfolios for evaluation at the end of the school year. In building the portfolio, students experience a variety of concepts, techniques, art mediums, and approaches designed to help them demonstrate their abilities as well as their versatility with specific techniques, problem solving, and ideation. Students also develop a body of work for the Concentration section of the portfolio that investigates an idea of personal interest to them.	10	HEAVY
	AP Drawing Studio AP 绘画工作室 ART503	<b>Prerequisite 选课前提:</b> This is a required course for all 10th grade VMAA students. It is open to VMA art track students too. <b>DESCRIPTION 课程简介</b> The AP Studio Drawing course is designed for students who are seriously interested in the practical experience of art and wish to develop mastery in concept, composition, and execution of their ideas. AP Studio Art is not based on a written exam; instead, students submit portfolios or evaluation at the end of the school year. In building the portfolio, students experience a variety of concepts, techniques and approaches designed to help them demonstrate their abilities as well as their versatility with techniques, problem solving, and ideation.	10	HEAVY

Art History 艺术史	Practice in Art History 艺术史实践 ARTA200	<b>Prerequisite 选课前提:</b> This course is required for all VMAA G10 students. It is NOT open to VMA students <b>DESCRIPTION 课程简介</b> This year-long course is a practice based art history course. From this course, students will be able to not only identify the key figures, movements, and work in the history of art, but also understand how forms, context, and content play together to influence the meaning of the work.	10	MEDIUM
	Modern and Contemporary Art History 现代艺术史 ARTA 507	<b>Prerequisite 选课前提:</b> This course is required for all VMAA G12 students. It is open to VMA G12 art track students too <b>DESCRIPTION 课程简介</b> This course is designed for students have serious interests in art history and art management. They will learn contemporary art in a very critical way.	10	MEDIUM
	AP Art History AP 艺术史 HIS508	<b>Prerequisite 选课前提:</b> This course is required for all VMAA G12 students. It is open to VMA G12 art track students <b>DESCRIPTION 课程简介</b> AP Art History is designed to allow students to examine major forms of artistic expression relevant to a variety of cultures evident in wide variety of periods from the present into the past. Students acquire an ability to examine works of art critically, with intelligence and sensitivity, and to articulate their thoughts and experiences. The main topic is European Art, with focuses on African, Hindu, South and East Asian, Islamic, and Prehistoric art.	10	HEAVY
Major 主修	Painting in Technology 科技绘画 ARTA220	<b>Prerequisite 选课前提:</b> Must be a VMAA student or an art focus student <b>DESCRIPTION 课程简介</b> This course will introduce students to basic knowledge of painting softwares such as photoshop	10	MEDIUM
	Graphic Studio 图形工作室 ARTA401	<b>Prerequisite 选课前提:</b> Must be a VMAA student or an art focus student <b>DESCRIPTION 课程简介</b> In this beginning design course, students will learn basic skills of graphic design, illustration with both physical and digital media.	10	MEDIUM
	Photo and Film Studio 摄影电影工作室 ARTA402	<b>Prerequisite 选课前提:</b> Must be a VMAA student or an art focus student <b>DESCRIPTION 课程简介</b> his course is designed for students have serious interests in photography, video art and film. Students will learn advanced skills and knowledge in photography.	10	MEDIUM
	Fashion Studio 时装工作室 ARTA403	<b>Prerequisite 选课前提:</b> Must be a VMAA student or an art focus student <b>DESCRIPTION 课程简介</b> This course is designed for students have serious interests in fashion design and soft sculpture. Students will learn advanced skills and knowledge in fabric art.	10	MEDIUM
	Product Studio 产品工作室 ARTA405	<b>Prerequisite 选课前提:</b> Must be a VMAA student or an art focus student <b>DESCRIPTION 课程简介</b> This course is designed for students have serious interests in industrial design, 3D modeling and product design. Main media in this course would be ceramic and 3D print.	10	MEDIUM
Portfolio 作品集	Portfolio Development 作品集创作 ARTA410	<b>Prerequisite 选课前提:</b> This is a required course for all 11th grade VMAA students. It is open to VMA art track students too <b>DESCRIPTION 课程简介</b> Students will learn how to build a professional portfolio based on the major they want to apply in college. Each student will pick a studio from Graphic, Fashion, Space, Fine Art and Photo/Video and they will spend a tremendous amount of time with their major tutor and have private classes. This class is graded on a Pass/Fail scale.	20	HEAVY

Capstone 顶石	Art Capstone 艺术顶石课程 ARTA699	<b>Prerequisite 选课前提:</b> This course is required for all VMAA G12 students. It is open to VMA G12 art track students too <b>DESCRIPTION 课程简介</b> The VMAA capstone is a year long project in which students showcase the research and communication skills they have learned at VMAA while developing a project of use to them as an artist. Students will do an original site based installation project, and write a senior essay,. All projects involve a written and oral portion. This course is designed entirely by students in consultation with their teacher, including assessments and deadlines.	10	HEAVY
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## Music Department

The VMAA Music Department provides students with the practical and theoretical foundation to succeed in the music world, whether at conservatory or university music school. This program is designed specifically for talented youth aiming to pursue careers in the music profession. Students must perform in an entrance audition and sit a theory exam in order to qualify for most classes, whether they are current VMA or incoming VMAA students.\*

Students augment performance classes with study of music theory, history, and independent research. Performance requirements include individual instruction (Applied Music), as well as both small and large ensemble, including orchestra, chamber music, and chorus. Aware of the time required to reach proficiency on any instrument, sufficient practice time is built into every VMAA music student's day and into their evening self-study time by offering enrollment in up to three sections of Applied Music per semester and devoting half of Evening Self Study to performance and practice. Academic instruction includes a three-year introduction to music theory culminating in the AP Music Theory exam, a two-year survey of European cultural history, and a capstone project in which students complete in their final year. Skills are emphasized throughout all academic courses, including text and score analysis, creative problem solving, collaboration, English language learning, and logical argumentation.

**\*NOTE:** VMAA Music offers some advanced classes to VMA students with a background in instrumental or vocal performance. Students from VMA may audition or test into the following classes:

Orchestra (MUSA414)

Chamber Music (MUSA413)

AP Music Theory (MUS501) Admission will be based on a written exam and interview with the instructor.

Applied Music (MUSA235/335/435). For this course, students must pay an extra studio fee to VMAA to cover the cost of private lessons and damage insurance for practice spaces.

Audition will be evaluated rigorously. Students will be expected to demonstrate their level of technical and musical mastery.

## Music Courses 音乐课程

### Course Description and Prerequisite 课程介绍和选课要求

COURSE TITLE & NUMBER 课程名称及代码	DESCRIPTION 课程简介	Credits 学分 (5 or 10)	Classwork Load 课业压力 LIGHT MEDIUM HEAVY
Introduction to Music Theory and Ear Training 音乐理论与听音训练导论 MUSA101	<b>Prerequisite 选课前提:</b> This class is a requirement for G9 students at VMAA. It is not open to VMA students. <b>DESCRIPTION 课程简介</b> In this introduction to music theory, students master the primary form of musical expression: rhythm. Class time combines theoretical knowledge with practical skill development. Common activities include conducting, clapping exercises, counting while playing, and rhythmic movement (including dancing). Primary goals are creating an internal sense of beat, understanding rhythmic hierarchy beyond the downbeat, and mastering polyrhythms. Students will be graded on their participation and mastery of various skills.	10	LIGHT
Applied Music A 应用音乐 A MUSA115 MUSA215 MUSA315 MUSA415	<b>Prerequisite 选课前提:</b> Applied Music A is required for all VMAA music students. It is not open to VMA students. <b>DESCRIPTION 课程简介</b> In Applied Music, students apply their knowledge, skills, and understanding to the process of learning, performing and, for composition majors, composing music. Class time includes daily practice, weekly individual lessons, and weekly studio classes. Students are evaluated based on the teacher's evaluation, end-of-semester juries, and an annual recital.	10	MEDIUM
Applied Music B 应用音乐 B MUSA125 MUSA225 MUSA325 MUSA425	<b>Prerequisite 选课前提:</b> Applied Music B is required for all VMAA pianists and string instrumentalists. Vocalists may choose to take this course, or sign up for electives at VMA. It is not open to VMA students. <b>DESCRIPTION 课程简介</b> In Applied Music, students apply their knowledge, skills, and understanding to the process of learning, performing and, for composition majors, composing music. Class time includes daily practice, weekly individual lessons, and weekly studio classes. Students are evaluated based on the teacher's evaluation, end-of-semester juries, and an annual recital.	10	MEDIUM
Applied Music C 应用音乐 C MUSA135 MUSA235 MUSA335 MUSA435	<b>Prerequisite 选课前提:</b> Applied Music C is available to VMAA string or piano students as an elective course during or after their second semester of study. Students must be recommended for this course by their primary teacher and their VMAA academic advisor. It is open to VMA students based on audition and payment of studio fee. <b>DESCRIPTION 课程简介</b> In Applied Music, students apply their knowledge, skills, and understanding to the process of learning, performing and, for composition majors, composing music. Class time includes daily practice, weekly individual lessons, and weekly studio classes. Students are evaluated based on the teacher's evaluation, end-of-semester juries, and an annual recital.	10	MEDIUM
Advanced Music Theory 音乐理论中级 MUSA201	<b>Prerequisite 选课前提:</b> This course is limited to VMAA students. It is a requirement for G10 students. <b>DESCRIPTION 课程简介</b> This course is the first half of a two-year introduction to advanced music theory. Taught in congruence with Music History and Research 1 and as a prerequisite for AP Music Theory, Advanced Music Theory and Ear Training introduces students to the study of music theory and takes them through the fundamentals of Common Practice Period music theory (1600-1900). First semester topics include rhythmic notation, modes and keys, contrapuntal harmony, and realizing figured bass. Second semester includes chord function and inversion, Baroque and Classical structure, and harmonizing and writing melodies. Students study melodic and harmonic dictation throughout their study. Daily instruction includes individual and group exercises and projects, dictation practice, and quizzes. Students are evaluated based on their proficiency in five regions: thoroughness and analytical thinking, creative thinking, citizenship, work ethic, and growth.	10	MEDIUM

Chamber Music 室内音乐 MUSA213 MUSA313 MUSA413  (year long course)	<b>Prerequisite 选课前提:</b> This course is a requirement for all VMAA students. It is open to VMA students by audition. Students may enroll in this course for a maximum of 20 credits (4 years). <b>DESCRIPTION 课程简介</b> This course provides students with the opportunity to collaborate with their peers in small ensemble performance. Studying chamber music develops students' communicative and collaborative abilities, as well as their rhythm, intonation, and interpretation. Class time includes two types of work: rehearsals coached by a faculty member, and seminars in which students perform for and critique one another. Students are expected to rehearse weekly without a coach, allowing them the opportunity to learn to provide and accept constructive critique and to work together to develop an interpretation. Students are graded based on their ability to collaborate, mastery of the repertoire, and performances. Assessments include recorded auditions, performance in studio seminar, written reflection, and coach's evaluation. Students may take this course up to 15 credits (6 semesters).	5	MEDIUM
Orchestra 管弦乐 MUSA214 MUSA314 MUSA414	<b>Prerequisite 选课前提:</b> This course is a requirement for all VMAA violin and cello students. It is open to VMA students by audition. Students may enroll in this course for a maximum of 40 credits (4 years). <b>DESCRIPTION 课程简介</b> While focused on rehearsing, mastering, and performing orchestral music, orchestra is also committed to deepening understanding of style, interpretation, ensemble, and rehearsal techniques. Repertoire includes works from the Classical and Romantic period, as well as selections from movies and popular music. Pieces are selected by the teacher in consultation with students. Students will be evaluated based on four categories: preparation, participation, citizenship, and attitude. Assessments include midterm juries, final performance, self evaluation, and teacher's evaluation. This is a year-long course. Students may take this course for 10 to 30 credits (1 - 3 years).	10	MEDIUM
Composition 作曲 MUSA401	<b>Prerequisite 选课前提:</b> This course is open to VMAA students only. Successful completion of MUSA501 or permission of instructor. This course may be counted towards VMAA students' "Music Elective" distribution requirement. <b>DESCRIPTION 课程简介</b> This class introduces students to the basic skills and habits that professional composers use every day. Through routine practice, students learn to craft and harmonize musical phrases, and imitate common musical forms. In this course, students explore different styles of composition: first analyzing existing works to identify compositional techniques, then applying those techniques to original compositions in various styles. Evaluations are based on frequent peer review as well as pre- and post- composition analysis of works	5	MEDIUM
Chorus 合唱 MUSA410	<b>Prerequisite 选课前提:</b> This course is a requirement for all VMAA vocal and piano students. It is not open to VMA students. Students may enroll in this course for a maximum of 40 credits (4 years). <b>DESCRIPTION 课程简介</b> This course is combines aural skills and choir performance, aiming to use applied ear training methods such as melodic dictation, sight-singing, and rhythm strengthening exercises in conjunction with counterpoint-based compositions culminating in two concerts (mid-term and final). Aural exercises are taken from the repertoire being studied so as to maximize usefulness and retention, while the repertoire will focus on pieces by Renaissance to Modern composers, accompanied and a capella, giving students a broad range of skill, technique, and mastery of different singing styles from each era. Homework involves preparing parts and writing short reflections. This is a year-long course. Students may take this course up to 15 credits (3 years)	10	LIGHT
AP Music Theory AP 音乐理论 MUS501	<b>Prerequisite 选课前提:</b> This course is a requirement for VMAA G11 music students. VMA students may enroll. Prerequisites are MUSA201 or permission of the instructor. <b>DESCRIPTION 课程简介</b> This course is the second half of a two-year introduction to music theory. The equivalent of a first-year college-level course, AP Music Theory focuses on western harmony in the Common Practice Period (1600-1900). This course reinforces and deepens the material studied in MUSA201. In addition to preparing for the AP exam, students will extend their knowledge of theory to the harmonic and structural innovations of the 19th and 20th centuries. Daily instruction includes individual and group exercises and projects, dictation practice, and quizzes. Students are evaluated based on their proficiency in five regions: thoroughness and analytical thinking, creative thinking, citizenship, work ethic, and growth.	10	HEAVY
Interpretation 演奏 MUSA600	<b>Prerequisite 选课前提:</b> Open to VMA students in the Artist Diploma program <b>DESCRIPTION 课程简介</b> In this course, theory meets practice, as VMAA students learn to apply non-performative skills including theory and history to the process of interpretation: deciding which lines to bring out; shaping melodies and phrases; creating the right character; choosing an appropriate tempo; and identifying which important moments to highlight. With interpretation skills, students can author their own original interpretations rather than relying upon mimicking others'. Students master this process through daily analysis and performance of their repertoire, sharing and discussing ideas and patterns, experimenting with different interpretive choices, evaluating in what ways choices are effective, and ultimately synthesizing big principles of interpretation.	10	LIGHT

Capstone 顶石 MUSA699	<p><b>Prerequisite 选课前提:</b> This course is limited to VMAA students. It is a requirement for G12 students.</p> <p><b>DESCRIPTION 课程简介</b></p> <p>The VMAA capstone is a year-long project in which students showcase the research and communication skills they have learned at VMAA while developing a project of use to them as an artist. Students may choose one of three projects: a model composition, a senior essay, or a lecture-recital, or propose an original project of their own. All projects involve a written and oral portion. This course is designed entirely by students in consultation with their teacher, including all assessments and deadlines.</p>	10	HEAVY
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## VMAA Cross-Curricula Courses

### Course Description and Prerequisite 课程介绍和选课要求

COURSE TITLE & NUMBER 课程名称及代码	DESCRIPTION 课程简介	Credits 学分 (5 or 10)	Classwork Load 课业压力 LIGHT MEDIUM HEAVY
History and Research in the Arts I 艺术史与研究 I VMAA209	<p><b>Prerequisite 选课前提:</b> This course is required for all VMAA G10 students. It is NOT open to VMA students</p> <p><b>DESCRIPTION 课程简介</b></p> <p>History and Research in the Arts I combines the development of analytic research, writing, and listening skills with the study of European history. The course covers general European history from the Renaissance to the Classical period (1200 - 1800), and investigates how the arts both react to and propel historical development. Students will learn skills including informal logic, observation and analysis, recognizing good historical arguments, writing about the arts, and elements of English style. Class activities include reading packets, group projects, presentations, and seminar discussion. While co-taught across the artistic disciplines, History and Research in the Arts I will be differentiated so that students focus on skills relevant to their discipline, and communicating those skills to a non-professional audience</p>	10	MEDIUM
History and Research in the arts II 艺术史与研究 II VMAA309	<p><b>Prerequisite 选课前提:</b> This course is required for all VMAA G11 students who's not taking AP art history. It is NOT open to VMA students</p> <p><b>DESCRIPTION 课程简介</b></p> <p>History and Research in the Arts II combines the development of analytic research, writing, and listening skills with the study of European history. The course covers general European history from the Romantic to the Modern periods (1800 - 2000), as well as the music and art of that time. Students learn to evaluate sources, give compelling oral presentations, recognize good historical arguments, and write argumentative and descriptive essays. Class activities include independent research, group projects, presentations, and seminar discussion</p>	10	MEDIUM
Collaboration in the Arts 艺术合作 VMAA403	<p><b>Prerequisite 选课前提:</b> Earn B+ and above in ART204 or ART 212 and VMAA Artist students or teacher's recommendation. No prerequisite for VMAA Music students</p> <p><b>DESCRIPTION 课程简介</b></p> <p>In this course, students will work in groups to create a multi-media art project. Through the artistic creative process, students will learn the skills of design thinking, including research, observation, empathy, prototyping, and revising. Projects will be designed and implemented to serve a positive role in the VMA or Shenzhen community.</p>	10	HEAVY

## Appendix 1: Credit Recovery Program 学分重修

Offered through Park City Independent, VMA provides the opportunity for students to have access to online credit recovery courses. This is only available after a failed graduation requirement and upon approval. For a list of available courses, see the below list and please speak to your counselor. There is an additional cost for the online credit recovery courses.

### **Park City Independent Mission Statement**

We will engage and support motivated, independent learners in standards-based curriculum, through our virtual classroom, available at any time, from any place, at a flexible and personalized pace.

*"We are creating the future of the teacher-student experience."*

## Academic Standards and Policies

Park City Independent strives to maintain the highest academic standards. Therefore, students are expected to demonstrate an intrinsic desire for academic success. Students who take full advantage of the opportunities offered at the school will effectively enlarge their intellect, build their character, and find success in their future endeavors.

We admit students of any race, color, nationality, and ethnic origin to all the rights, privileges, programs, and activities at Park City Independent, and we do not discriminate on the basis of race, color, or national or ethnic background in the administration of any of our programs.

## Honor Code of Conduct

Park City Independent is a school based on the foundation of courtesy and respect for each student and instructor. Our honor code is designed to foster and encourage the highest standards of honor, integrity, and morality.

Students accepted in our program must commit to abiding by the honor code. Compliance with these rules and policies will ensure that students learn in an environment free of harassment, negative attitudes, and offensive actions.

## Etiquette Standards

Communication between students and instructors is achieved through various methods, including phone calls, live chat, e-mail, and web conference. Inappropriate communication of any kind is strictly prohibited. Vulgar, profane, insulting, or derogatory comments will not be tolerated. All communication between instructors and students must be professional and respectful. In the event that a student is found in violation of this rule, the parent/guardian will be notified and appropriate disciplinary action will be taken.

## Academic Integrity

Academic integrity is expected on all courses, assignments, and activities. Violations of academic integrity include plagiarism, cheating, and/or fabrication or falsification of information submitted on projects, assignments, papers, or exams. Infractions of this policy will not be tolerated and will be dealt with on an individual basis. The penalties for plagiarism and cheating are as follows:

- **First offense:** Student receives a warning, and the assignment is reset.
- **Second offense:** Student automatically fails the assignment and is not given the option to redo the assignment.
- **All successive offenses:** Student automatically fails the course.

After each offense, the parent/guardian will be notified via e-mail. There may be a follow-up phone call to discuss any questions or concerns. Each offense is per student, not per course, and each student will only receive two warnings before the course is failed.

A student may not claim another person's work as his or her own, or use unauthorized materials to gain advantage during assignments or testing. Tests are to be taken by the student without any assistance. Assessments and assignments are only constructive when they are based on a student's original work. Only original work is useful to both the student and the educators. Avoid academic dishonesty and misconduct in all its forms.

## Situations of Suspension or Expulsion

In the event that suspension or expulsion is necessary per school policies, tuition fees are not refundable. PCI makes every effort to work with students regarding policy violations. A suspension or expulsion from Park City Independent will only occur under extreme circumstances and only after the student has been given fair warning.

## Inappropriate Internet Activities

Park City Independent does not condone, nor is it responsible for, any inappropriate use of the Internet.

(All information provided by Park City Enrollment Forms)

## Appeal Process

### Appeal Process for Academic Action and Resolving Academic Grievance

Students receiving a grade, which they feel is unfair, may appeal the decision by submitting a letter of appeal to the administration, requesting that the case be presented before the Academic Board. An Academic Board decision will be given within thirty days.

### Appeal Process for Suspension or Expulsion

In the event that a student is suspended or expelled and the student wishes to appeal the decision, a formal letter must be submitted to the school, outlining the student's desire to appeal, stating the reason for the appeal, and listing any extenuating circumstances leading up to the suspension or expulsion. The submission of an appeal does not guarantee acceptance. All appeals will be reviewed on an individual basis.

## Program Requirements

In order to access different aspects of our program, you must have the following:

- A computer:  
Minimum operating system requirement – MS Windows XP, Windows Vista, Windows 7, Mac OSX 10.6.2+
- Internet access:  
Minimum connection speed – 2.5 Mb/sec.  
Recommended – 6 Mb/sec or higher
- Internet browser: Internet Explorer 7.x, Firefox 15
- Access to scanner or fax machine  
(for certain classes only)
- Word processing program:  
All written assignments must be submitted in a Microsoft Word Document format

The following plug-ins are required to access most courses:

- Adobe Flash Player
- Adobe Shockwave Player
- Adobe Reader
- Apple QuickTime Player
- Java

## Grading Standards

### Grading System

The following academic letter grades will be used: A, B, C, D, F. The plus (+) or minus (-) will be used, except in the case of A+ and F-. There will be no rounding up or down of any score or grade issued by Park City Independent.

## Calculating Your GPA

For the purpose of determining Grade Point Average (GPA), the following grade scale is used:

A	94-100	C	74-76.9
A-	90-93.9	C-	70-73.9
B+	87-89.9	D+	67-69.9
B	84-86.9	D	64-66.9
B-	80-83.9	D-	60-63.9
C+	77-79.9	F	0-59.9

## Testing

It is the responsibility of parents and students to research and complete any standardized test requirements for their state. Park City Independent does not require these for graduation. Park City Independent does not make arrangements for any standardized tests, including nationally issued tests such as the ACT, SAT, or AP exams.

## Student Records

### Permanent Record

The school maintains a permanent record for each student. When applicable, records concerning standardized test scores, health information, Individual Education Plans (IEP), and behavioral records will also be included. This record is confidential and open to parental inspection on request. When students transfer out of Park City Independent, this record will be sent to the new school after receiving a request from that school.

### School Transcripts of Credit Earned

The school maintains a transcript of all classes attempted and completed through Park City Independent. Transcripts may also include credits transferred from other educational institutions. To receive a copy of the transcript, the student or parent/guardian must complete a transcript request form. The request will be filled within 5-7 business days. Park City Independent will provide 2 copies of official transcripts free of charge upon graduation. All other requests for unofficial and official transcripts may require an additional fee.

### Repeating a Class

Students who receive a failing grade in any course at Park City Independent, or from another high school, may retake the same class, or an equivalent, and receive the higher score as a permanent grade. Both grades will appear on the transcript and will be calculated in the student's Grade Point Average (GPA).

(All information provided by Park City Enrollment Forms)



# Park City Independent

## COURSE LIST

Return this form via link below or fax to:  
866-436-0244



### MIDDLE SCHOOL COURSES

#### ENGLISH LANGUAGE ARTS

English Language Arts 6 A  
English Language Arts 6 B  
English Language Arts 7 A  
English Language Arts 7 B  
English Language Arts 8 A  
English Language Arts 8 B

#### MATHEMATICS

Mathematics 6 A  
Mathematics 6 B  
Mathematics 7 A  
Mathematics 7 B  
Mathematics 8 A  
Mathematics 8 B  
Pre-Algebra A  
Pre-Algebra B

#### SCIENCE

Life Science A  
Life Science B  
Earth Science A  
Earth Science B

#### SOCIAL STUDIES

Middle School World History A  
Middle School World History B  
Middle School U.S. History A  
Middle School U.S. History B  
Middle School Civics, Government,  
& Economics A  
Middle School Civics, Government,  
& Economics B  
Middle School World Cultures &  
Geography A  
Middle School World Cultures &  
Geography B

#### WORLD LANGUAGES - ELECTIVES

Spanish I A	Chinese 1 A
Spanish I B	Chinese 1 B
Spanish 2 A	Chinese 2 A
Spanish 2 B	Chinese 2 B
French 1 A	Latin 1 A
French 1 B	Latin 1 B
French 2 A	Latin 2 A
French 2 B	Latin 2 B
German 1 A	
German 1 B	
German 2 A	
German 2 B	

#### Notes

All courses are valued at half a credit each.

### HIGH SCHOOL COURSES

#### MATHEMATICS

Algebra I A\*  
Algebra I B\*  
Geometry A\*  
Geometry B\*  
Algebra II A\*  
Algebra II B\*  
Precalculus A  
Precalculus B  
Mathematical Models with Applications A  
Mathematical Models with Applications B  
Financial Math A  
Financial Math B  
Trigonometry  
Concepts in Probability and Statistics A  
Concepts in Probability and Statistics B

#### ENGLISH LANGUAGE ARTS

English Language Arts 9 A\*  
English Language Arts 9 B\*  
English Language Arts 10 A\*  
English Language Arts 10 B\*  
English Language Arts 11 A\*  
English Language Arts 11 B\*  
English Language Arts 12 A\*  
English Language Arts 12 B\*  
Literacy & Comprehension I A  
Literacy & Comprehension I B  
Literacy & Comprehension II A  
Literacy & Comprehension II B  
Expository Reading and Writing A  
Expository Reading and Writing B  
Introduction to Communications  
and Speech A  
Introduction to Communications  
and Speech B  
IDEA Writing

#### SCIENCE

Environmental Science A  
Environmental Science B  
Physical Science A  
Physical Science B  
Biology A  
Biology B  
Chemistry A  
Chemistry B  
Physics A  
Physics B

#### SOCIAL STUDIES

Survey of World History A  
Survey of World History B  
Modern World History A  
Modern World History B  
U.S. History I A  
U.S. History I B  
U.S. History II A  
U.S. History II B  
Survey of U.S. History A

#### FOR MORE INFORMATION CALL:

888.866.4989 option 3

(All information provided by Park City Enrollment Forms)



# Park City Independent

## COURSE LIST

### HIGH SCHOOL COURSES

#### SOCIAL STUDIES, CONTINUED

Survey of U.S. History B  
U.S. Government  
Economics A  
Economics B  
Human Geography A  
Human Geography B

#### ELECTIVES

Intro to Art  
Art History I  
Lifetime Fitness  
Foundations of Personal Wellness A  
Foundations of Personal Wellness B  
Healthy Living  
Personal Finance  
Intro to Information Technology A  
Intro to Information Technology B  
Computer Applications A  
Computer Applications B  
Online Learning & Digital Citizenship  
Psychology A  
Psychology B  
Sociology  
Strategies for Academic Success  
Career Planning and Development  
Career Explorations A  
Career Explorations B

#### FINE ARTS

Digital Arts  
Digital Photography I:  
Creating Images with Impact!\*  
Digital Photography II:  
Discovering Your Creative Potential\*  
Fashion and Interior Design\*  
Music Appreciation

#### WORLD LANGUAGES

Spanish I A	Spanish I B
Spanish II A	Spanish II B
Spanish III A	Spanish III B
French I A	French I B
French II A	French II B
French III A	French III B
German I A	German I B
German II A	German II B
Chinese I A	Chinese I B
Chinese II A	Chinese II B
Latin I A	Latin I B
Latin II A	Latin II B

\* required for graduation

Notes: All courses are valued at half a credit each.

Students cannot take Part A and Part B courses concurrently.

Pre-requisites:

Algebra 1 must be taken before taking Chemistry.

Algebra 1 and Geometry must be taken before Physics.

Algebra 2 is recommended before Physics but can be taken along with Physics.

(All information provided by Park City Enrollment Forms)

## Appendix 2: Year 4 Program 第四年计划

Broadly, there are two reasons a student might opt to take a fourth year at VMA: to strengthen credentials for application to university and to better prepare for success in university and beyond.

Examples of the former would be increasing fluency in English (and TOEFL/SAT performance), improving one's transcript (raising GPA and/or level of course rigor), and/or completing a major project or piece of independent, original research. Examples of the latter are developing essential skills (English, research, and writing) and gaining personal, academic, and social maturity. Examples of both are English proficiency, demonstrated research skills, and a record of success in upper-level courses, all of which are primary for both admission and success at university.

Also, students who need additional credits may elect a fourth year: candidates for the STEAM Diploma and Artist Diploma may choose to spread their VMA diploma requirements across four years to permit greater focus on STEAM or Art courses in grades 10 and 11, while some students may retake courses they've failed early in their VMA careers.

Students will generally choose 400- to 600-level courses in their fourth year at VMA, unless they still need to: 1) fulfill compulsory credits; and/or 2) retake courses in which they earned very low grades initially (total scores in D + or below). Many of these 400- to 600-level courses are college-level research-based courses that will strengthen the skills necessary to be highly successful at a western university. **Which of these courses will be offered in any given year depends upon student interest and staffing.**

### Application time

Students may apply by filling out an application and submit it to the Academic Support Office. This application period is March 1<sup>st</sup> to May 31<sup>st</sup> of Grade 11. The committee will make a decision within one month from the application deadline. Students will receive the application result before July 1<sup>st</sup>.

### Steps

1. Student meets counselor to discuss whether a four-year plan is advisable before March 1<sup>st</sup> of Grade 11
2. Student fills in the application form (require counselor and mentor's signature) and submits it to ASO.
3. ASO will submit all application form to the committee after the application deadline.
4. Committee may need to interview students, and talk with counselors, mentors to make decision within one month from the application deadline.  
Members of the Committee: Principal and Deans
5. ASO informs student/parent/counselor/mentor of the decision.

总的来说，学生选择在万科梅沙书院就读第四年的课程有两方面的原因：一是能帮助孩子申请到更好的大学，二是为大学及大学毕业之后的人生做更好的准备。

举例来说，更好的英语能力（可能体现在托福或 **SAT** 的成绩上），更加完美的成绩单（更高的 **GPA** / 增加高阶课程），独立完成一个重要项目或者部分原创的独立研究，都将为申请到更好的大学添砖加瓦。而培养一些重要的技能（英文的运用能力，研究能力和学术写作能力），并且在性格、习惯、学业、社交等方面更加成熟，更是在美国大学学习生活的必需条件，甚至对毕业后的职业选择、生活品质都会产生巨大的影响。因此，高级的英语语言能力、卓越的研究能力，以及向大学展现出曾在高难度课程中的成功表现，都是大学申请或者在大学生涯中获得成功的主要因素。

学生基于兴趣和专长，如果需要更高的挑战，或者需要额外的学分也可以选择第四年的课程：比如说，书院 **STEAM** 文凭和 **Artist** 文凭的学分要求高于普通学生，希望攻读这两个文凭的学生，可以把文凭的要求学分分配到四年的时间里，这样在高一和高二年级就可以有更多的时间更专注于 **STEAM** 和艺术课程。此外，还有一些学生可能需要重修某些课程以获得学分。

第四年可修读的课程原则上仅限 **400—600** 的难度课程，除以下情况：**1)** 有必修学分需要补齐；**2)** 重修不及格（总成绩在 **D+** 或以下）的课程。具体每一年将开设的课程取决于该年学生的兴趣和师资配备。

### 递交申请时间

需填写申请表格，高二下学期 **3 月 1 日—5 月 31 日** 时间段内可递交申请。审核将在截止日期后开始，并在 **1 个月** 内会给出答复。因此最晚的答复时间为 **7 月 1 日**。

### 流程

1. 高二上学期 **8 月** 到下学期 **3 月** 之间找升学指导面谈，讨论是否有读四年计划的必要性；
2. 高二下学期 **3 月 1 日—5 月 31 日** 填写申请表格（需升学指导、导师签名），递交申请到学业支持部；
3. 学业支持部将在申请时间截止后统一将申请表交由审核委员会审核。
4. 审核委员会将于收到申请表格起的一个月内完成面试学生、与升学指导面谈的工作，决定是否通过学生的四年计划申请。

审核委员会成员：万科梅沙书院院长，学术事务院长，学生事务院长

5. 结果决定后由学业支持部通过邮件通知学生。