

**SMIC International
Division High School
Course of Study 2026 - 2027**

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Our Vision

Educating and nurturing students to become global citizens of honor and self-discipline who are committed to independent thinking and service to others.

Mission Statement

The heart and soul of the school is a combined partnership with families and community to provide positive, student-centered education that balances academic excellence with physical, social and emotional well-being using both an American-style curriculum and Chinese cultural traditions.

Expected School-Wide Learner Results (ESLR's)

The SMIC Private School International Division is committed to significant local, regional, national, and international partnerships with families and communities that prepare students to be

- *Global Citizens*: Students will engage in positive active citizenship through respect for the environment, commitment to charitable causes, and an appreciation for cultural diversity.
- *Persons of Character*: Students will consistently choose to respect self and others.
- *Motivated Learners*: Students will demonstrate a passion for learning and intellectual curiosity through creativity, initiative, collaboration, and problem-solving.
- *Healthy Individuals*: Students will make appropriate choices that reflect physical well-being as well as social and emotional maturity.

The Educational Program

The SMIC Private School International Division's (SMIC-I) educational program integrates academic, athletic, extracurricular, leadership, and community service components. Together, these dimensions foster intellectual growth, character development, and global awareness.

The student handbook explores the student responsibilities, expectations, requirements, and opportunities related to life at SMIC Private School International Division in greater detail.

The Academic Curriculum

The academic curriculum at SMIC-I is based on the entrance requirements for colleges and universities across North America. The American-based curriculum is blended with Chinese cultural traditions to further broaden each student's perspective. This is done to ensure continuity in the pursuit of further studies by SMIC-I graduates, who traditionally have gone on to study in the United States. Our graduates have also successfully matriculated to universities in Canada, United Kingdom, Australia, Hong Kong, China, Korea and other international destinations. The core curriculum ensures that students achieve a fundamentally sound education comprised of the liberal arts, math and natural sciences, as well as elective courses; all of which combine to achieve the school's aim of educating students to be well-rounded and motivated learners. SMIC-I endeavors to prepare students for university life by cultivating creativity, critical thinking, and a life-long love for learning.

Students are encouraged to challenge themselves academically while engaging actively in school life beyond the classroom.

Graduation Requirements

Because SMIC-I is based on an American-style curriculum, credits for graduation are earned from Grade 9 (G9)

through Grade 12 (G12). The school operates under a semester system, and credits are earned by semester; 0.5 credit per semester.

To earn a SMIC-I High School Diploma, students must complete a minimum of 23.5 credits and fulfill all additional graduation requirements.

Credit Requirements

Subject Area	Credits Required
English	4
Mathematics	3
Science	3
Social Studies	3
World Language	3
Physical Education	1
Life Skills	1
Health	0.5
Visual and Performing Arts	1
Technology	1
Additional Electives	2
Co-curricular Activity	1
Community Service	100h
Total	23.5 Credits

Students earn 1.0 credit for a full-year course that meets 5 days a week and

0.5 credit for a full- year course that meets twice a week (PE, health and all mini courses)

0.25 credit for full- year course that meets once a week (life skills)

Class Size

Class sizes are intentionally structured to promote meaningful interaction, individualized feedback, and student engagement. The learning environments allow teachers to provide academic support and enrichment tailored to student needs. The High School classes typically have between 20 and 30 students.

Course Load

Students are expected to enroll in a full academic schedule each semester. To maintain full time status at SMIC-I, a student must be enrolled in 6 full courses per semester.

- Teaching assistantships/Study halls do not count toward the 6-course requirement.
- Schedule changes are permitted only during the designated add/drop period.
- Students are encouraged to select courses that appropriately balance rigor and well-being.
- A student who wants to take either 5 or 7 courses (instead of 6) must submit a petition form to the Academic Affairs Office by the registration deadline. Students must provide sufficient reasons for the petition, and the petition must meet the approval of MHS Academic Council and the MHS Vice Principal. Forms will be available in the Academic Affairs Office.

Transfer Students Entering After Grade 9

For transfer students either from American high schools or other foreign international schools, transcripts will be reviewed and, where appropriate, credit will be assigned based on SMIC-I graduation requirements.

- Transfer students must submit official transcripts for credit evaluation.
- Graduation credits and community service requirements may be adjusted proportionally.
- The credits earned in the previous school will not be added on SMIC-I transcript; only the credits earned at SMIC-I will be counted.
- Placement in Honors and AP courses for transfer students is subject to meeting all the course prerequisites and seat availability.

Commitment to Academic Integrity

Academic honesty is fundamental to the integrity of the High School program. Students are expected to uphold standards of honesty in all coursework, research, assessments, and examinations. Violations may result in academic and disciplinary consequences. Violations may also impact future petitions. Please refer to the Student Handbook for more details.

Accelerated/Honors and Advanced Placement Offerings

Accelerated/Honors and Advanced Placement courses are offered to students who are able to study advanced material at an accelerated pace. AP exam results of a 3, 4 or 5, in some cases, may lead to a student earning course credit at university or being exempted from taking certain required university courses. All SMIC-I courses with the AP designation have been approved by the College Board Audit Review to establish official AP status.

SMIC School recognizes the academic and personal challenges that the university-level workload and rigor of an AP course can pose for high school students. As a school, we value the growth of the individual as a whole, emphasizing not only academic success but also student social and emotional well-being. All accelerated and AP courses have prerequisites; please check the prerequisites for each course as they vary by department (either entrance exam or prior approval from respective teacher). Additionally, placement in accelerated courses and AP courses is determined based on a student's demonstrated ability to perform above the regular course average, demonstration of a positive learning attitude, ability to uphold academic honor, strong interest in the subject area and problem-solving abilities, alongside strong scores on the PSAT or MAP test. Students enrolled in these courses are expected to maintain high academic standing. They may also be assigned summer and /or winter break homework.

Important

- Students must meet specific requirements for entry into AP courses. These requirements include, but are not limited to, grades in previous courses, attendance, behavior, overall grades, entrance exams, completion of prerequisite courses, and teacher recommendation.
- Students are limited to 3 AP courses and 6 courses overall (meeting 5 days a week) in a single academic year. Students can petition the Academic Council for exceptions, but there is no guarantee that exceptions will be granted. Factors for selection include, but are not limited to, a student's previous successes in AP courses, grades in other courses, teacher recommendations, behavior, responsibility, work ethic, school attendance, academic integrity, and their class interactions. No grade 10 students will be considered for more than 4 AP classes per year. No 11th or 12th grade students will be considered for more than 5 AP classes per year. The decision made by the Academic Council will be final.

- No student is allowed to drop an AP course after the designated drop/add time in September since the AP designation for the course is reported on the transcript.
- All AP registrations must be completed through The College Board's "AP Classroom" to be valid.

**Students who enroll in an AP course are expected to take the AP exam in May as mandated by the school; regardless of whether they have previously taken the same AP exam externally. This requirement is non-negotiable for all students enrolled in SMIC-I's AP courses.

** Students who choose not to take the AP Exam in May will have their transcripts adjusted to remove the AP designation and all GPA weighting associated with the course, as the AP's designation is contingent upon the successful completion of both the AP course as well as the in-school AP exam. The course will be treated as a regular class. Under situations where students applied to university with transcripts designated with AP designation for this course, new transcripts with the corrected course designation and recalculated GPA will be sent to the university.

**AP exam retakes are only approved based on recommendations by the respective AP teacher, MHS Vice-Principal / HS AA Director, or AP Coordinator in writing.

**Students who wish to enroll in self-study in AP courses (both offered and not offered) are required to make arrangements and preparations to take the AP exam externally. Exceptions only allowed for AP Chinese.

**All external AP exams must be registered under the External Test Center name and NOT SMIC-I. Violations will be considered as academic dishonesty and subject to consequences.

**Students new to SMIC-I do not gain automatic admission to AP and accelerated courses based on their transcripts or admission exam results. All prerequisites for these courses must be met, and clear competence in the subject must be demonstrated.

AP and Accelerated classes have a more rigorous workload and may require additional homework above and beyond the guidelines generally set for regular classes in the same subject area. Enrollment in AP and Accelerated classes is by choice, and as such, implies understanding of and agreement with the aforementioned statement on modification of homework and workloads.

List of AP Courses Offered at SMIC-I (subject to enrollment)

Course Code	Course Name
ARTS 4420	AP Art & Design
ARTS 4430	AP Art History
BIOL 4410	AP Biology
CHEM 4410	AP Chemistry
CHIN 3330	AP Chinese Language & Culture
COMP 4410	AP Computer Science A
COMP 4420	AP Computer Science Principles
COMP 4430	AP Cybersecurity
ECON 1210	AP Economics
ENGL 1120	AP English Language & Composition
ENGL 1220	AP English Literature & Composition
ENVI 4420	AP Environmental Science
FREN 1210	AP French Language and Culture
HIST 4410	AP European History
HIST 1025	AP World History
HIST 1120	AP US History
MATH 1125	AP Precalculus
MATH 1210	AP Calculus AB
MATH 1220	AP Calculus BC
MATH 1230	AP Statistics
PHYS 4420	AP Physics 1
PHYS 4430	AP Physics 2
PHYS 4440	AP Physics C: (Mechanics and Electricity/Magnetism)
PSYC 4410	AP Psychology
RESE 1210	AP Research
SEMI 1110	AP Seminar
SPAN 1210	AP Spanish Language and Culture

Accelerated/Honors Courses Offered at SMIC-I High School

Course Code	Course Name
MATH 0925	Axiomatic Geometry Honors (Grade 9)
MATH 1025	Algebra II Honors (Grade 10)
ENGL 0920	Accelerated English Grade 9
HIST 0915	Accelerated History Grade 9
ENGL 1020	Accelerated English Grade 10

SMIC-I High School Graduation Requirements

<i>Subject Area</i>	<i>Required Courses</i>	<i>Required Credits</i>
English	*ENGL 0910 or ENGL 0930 or ENGL 0935 *ENGL 1010 or ENGL 1020 *ENGL 1110 or AP LANG or AP LIT *ENGL 1210 or AP LIT or AP LANG	4
Social Studies	*HIST 0910 or HIST 0915 *HIST 1010 or AP World History *HIST 1110 or AP US History	3
Math	*MATH 0905 *MATH 0910 or MATH 0925 *MATH 1010 or MATH 1025 *One additional course if skipped MATH 0905	3
Science	*BIOL 0910 *CHEM 1010 *One additional science course	3
Foreign Language	Three years of language based on student's ability level.	3
Physical Education	*PHED 0911 *PHED 1012	1
Health	* PHED 0920	0.5
Life Skills	*LIFE 0910 *LIFE 1010 *LIFE 1110 *LIFE 1210 Credits are pro-rated based on the number of years a high school student is enrolled at SMIC-I.	1
Visual and Performing Arts	(See the table that follows for the approved list of course options.)	1
Technology	(See the table that follows for the approved list of course options.)	1
Additional/Non-required	Two credits beyond the required credits. Students may choose from *Courses offered by any department. *Courses which have not been used to meet a departmental requirement.	2
Co-Curricular Activity	These activities must be outside regular school hours. Credits are pro-rated based on the number of years a high school student is enrolled at SMIC-I.	1
Community Service	(See page 8)	100 Hours
	<i>Total Credits Needed for Graduation</i>	<i>23.5</i>

Course registrations requirements:

All required graduation requirements in the five core subjects must be completed before students can begin taking electives in their place. For example: a student cannot skip HIST 1110 US History in their junior year to take an elective and then take HIST 1110 US History in their senior year.

The following courses meet (or partially meet) the technology credit requirement for graduation.

Course Code	Course Name
TECH 3310	Design Technology
TECH 3350	Film 1
TECH 3360	Yearbook Design 1
TECH 3370	Yearbook Design 2
TECH 3380	Yearbook Design 3
TECH 3390	Yearbook Design 4
TECH 3400	Introduction to Robotics
TECH 3450	Advanced Robotics
TECH 4420	Broadcast Journalism I
TECH 4421	Broadcast Journalism II
TECH 4422	Broadcast Journalism III
TECH 4423	Broadcast Journalism IV
TECH 4431	Film 2 (0.5 tech credit)
COMP 3340	Introduction to Computer Science
COMP 4410	AP Computer Science A
COMP 4420	AP Computer Science Principles
COMP 4430	AP Cybersecurity

The following courses meet the arts requirement for graduation.

Course Code	Course Name
ARTS 3310	Art & Creativity
ARTS 3340	Three-Dimensional Art
ARTS 3330	Textile & Fiber Arts
ARTS 3350	Media Arts
ARTS 4420	AP Art & Design
ARTS 4430	AP Art History
THEA 4434	Theater Arts (0.5 art credit)
MUSC 4432	Chamber Orchestra (0.5 art credit)
MUSC 4441	Vocal Band (0.5 art credit)

Life Skills Credit

High school students take life skills class every year from grade 9-12. They are required to earn **0.25 Life Skills credit each year** for a total of **1.0 credit** prior to graduation.

Transfer students must complete 0.25 credit for each year enrolled at SMIC-I. For example, if a student enters as a G11 student, he or she is required to earn 0.25 for G11 and 0.25 for G12 only.

Life Skills courses address:

- Personal development

- Organization and study skills
- Healthy relationships
- University planning
- Social-emotional growth

Community Service Requirement

Students are expected to do some form of community service during their high school years (G9-G12). The Student Affairs Office has a list of all community service clubs that are approved to earn community service credit and offer other opportunities throughout the year. Many students use the summer to complete this requirement.

- Students must complete **100 hours of community service** during high school in order to graduate from SMIC-I.
- Maximum of 30 hours per year (adjusted by graduating class policy). A student will be limited to 30 hours a year.
- Service must be unpaid
- Service to immediate family members does not qualify
- External service requires pre-approval from the Student Affairs Director.
- Hours may begin after completion of Grade 8
- Transfer students' requirements are reduced proportionally. The requirement will be reduced by 25 hours for each year of high school a student successfully completes at another school. For example, a student entering at the start of G11 will be expected to do 50 hours of community service before graduation.

Co-curricular (Sports or Clubs) Activity Credit

SMIC-I believes it is beneficial for students to be involved in school life outside the classroom. Participation promotes leadership, collaboration, and school engagement.

Therefore, SMIC-I requires students to earn one activity credit by participating in extra-curricular activities such as clubs, sports, and other school activities that take place outside the normal school day.

One activity credit can be earned through participation for one year or one season in:

- Major sports (volleyball, basketball, track, soccer)
- Model United Nations (MUN)
- Student Council
- Officer role in an approved club

Half an activity credit can be earned through participation per year or by one season in:

- Minor sports (tennis, swimming, table tennis, badminton)
- Official school clubs* or activities

*Students must meet certain criteria to earn credit for clubs.

- Students may petition the Athletic Director to be awarded credits for sports.
- Transfer students' requirements are reduced proportionally.
Students who enroll or transfer into SMIC-I in G9 or G10 must earn one activity credit.
Students who transfer into SMIC-I in G11 and G12 must earn half an activity credit.

The Student Affairs/Academic Affairs Office tracks the extra-curricular activity records for all students. The Student Affairs Office keeps the records and issues credit for students' non-sporting extra-curricular involvement.

Legend for Course Listings

- *Courses for G9 begin with 09 followed by 2 numbers (0910, for example).
- *Courses for G10 begin with 10 followed by 2 numbers (1010, for example).
- *Courses for G11 begin with 11 followed by 2 numbers (1110, for example).
- *Courses for G12 begin with 12 followed by 2 numbers (1210, for example).
- *Courses for upperclassmen may also begin with 3, 4, or 5 (3310, for example).
- *All courses are for 1 year/1 credit (both semesters) unless indicated.

Homework Expectations:

The Course of Study gives indications of the expected homework load per course in the following way:

- * an average of 20 minutes or less per night
- ** an average of 21-40 minutes per night
- *** an average of more than 40 minutes per night

Grading Scale & GPA

Grading Scale

Letter Grade	Percentage	GPA Value
A	90–100	4.0
B	80–89	3.0
C	70–79	2.0
D	60–69	1.0
F	Below 60	0

GPA Weighting

- Honors/Accelerated Courses: +0.5
- Advanced Placement (AP) Courses: +1.0

Both weighted and unweighted GPAs may be calculated and reported on transcripts.

Course Selection Process:

- Course requests occur each spring.
- Students meet with their counselor for academic planning.
- Students are required to meet all the prerequisites for the courses.
- Parent approval is required.
- Schedule changes are permitted only during the add/drop period.

Suggested Courses of Study

Suggested Courses of Study

Choosing elective courses, or courses that are not required, can be confusing and sometimes overwhelming. The following are rough guides to help you choose electives that might be interesting or useful to you, depending on your interests and future career goals:

Architecture / Design

Art and Creativity
AP Art and Design
AP Art History
AP Calculus AB
AP Calculus BC
AP Seminar
AP Research
Three-Dimensional Art

Audio/Visual Arts

Art and Creativity
AP Art and Design
AP Art History
Media Arts
Textile and Fiber Arts
Three-Dimensional Art
Film

Education

AP English Language
AP English Literature
AP US History
AP Statistics
AP Chinese
Foreign Language
AP Seminar
AP Research
Data Science

International Business

AP English Language
AP US History
AP World History
AP European History
AP Chinese
AP Seminar
AP Research
AP Statistics
Applied Business and
Entrepreneurship
Data Science

Engineering

AP Calculus BC
AP Physics 1
AP Physics 2
AP Physics C
AP Chemistry
AP Computer Science A
AP Computer Science Principles
Design Technology
Intro to Robotics
Advanced Robotics
AP Cybersecurity
AP Statistics

International Affairs

AP English Language
AP US History
AP World History
AP Economics
AP Seminar
AP Chinese
AP Research
AP European History
Applied Business and
Entrepreneurship
Foreign Language
Data Science

Psychology

AP Biology
AP Chemistry
AP Psychology
AP Seminar
AP Statistics
AP Seminar
AP Research
Kinesiology

Medicine

AP Chemistry
AP Biology
AP Statistics
AP Seminar
AP Research
Kinesiology
Data Science

Performing Arts

Theater Arts
HS Chamber Orchestra
HS Vocal Band
Foreign Language

HS ACADEMIC COURSES

Course Code	Course Name	Grade	Credits	HW Load
ENGLISH			Page 16	
ENGL 0910	Foundations of Western Literature	9	1	**
ENGL 0930	Western Literature	9	1	**
ENGL 0935	Western Literature –Accelerated	9	1	***
ENGL 1000	Academic Writing (for GAP)	10	1	**
ENGL 1005	Foundations of Western Literature (for GAP)	10	1	**
ENGL 1010	Major Works of World Literature	10	1	**
ENGL 1020	Major Works of World Literature –Accelerated	10	1	***
ENGL 1105	Major Works of World Literature (for GAP)	11	1	**
ENGL 1110	Survey of American Literature	11	1	**
ENGL 1120	AP English Language and Composition	11/12	1	***
ENGL 1205	Survey of American Literature (for GAP)	12	1	**
ENGL 1210	Survey of British Literature	12	1	**
ENGL 1220	AP English Literature and Composition	11/12	1	***
ENGL 4490	Creative Writing (Elective)	9-12	1	*
LANGUAGE STUDY				
Chinese			Page 23	
CHIN 3310	Elementary Chinese Language	9-12	1	**
CHIN 3320	Intermediate Chinese Language	9-12	1	**
CHIN 3325	Upper Intermediate Chinese Language	9-12	1	**
CHIN 3330	AP Chinese Language and Culture	9-12	1	***
CHIN 4420	Chinese Cultural Traditions and Values	9-12	1	**
CHIN 4435	Chinese Performing Arts	9-12	1	**
CHIN 4440	Studying Chinese through Multimedia	9-12	1	**
CHIN 4455	Chinese Literature	9-12	1	**
CHIN 4460	Business Chinese	9-12	1	**
CHIN 4465	Advanced Business Chinese	9-12	1	**
CHIN 4475	Studies of Modern and Contemporary Chinese Works	9-12	1	**
Spanish			Page 26	
SPAN 0910	Spanish I	9-11	1	**
SPAN 1010	Spanish II	9-12	1	**
SPAN 1110	Spanish III	9-12	1	**
SPAN 1210	AP Spanish Language and Culture	10-12	1	***
French			Page 27	
FREN 0910	French I	9-12	1	**
FREN 1010	French II	9-12	1	**
FREN 1110	French III	9-12	1	**
FREN 3330	AP French Language and Culture	10-12	1	***
LIFE SKILLS			Page 30	

LIFE 0910	Life Skills 9	9	0.25	*
LIFE 1010	Life Skills 10	10	0.25	*
LIFE 1110	Life Skills 11	11	0.25	*
LIFE 1210	Life Skills 12	12	0.25	*
MATHEMATICS		Page 32		
MATH 0905	Algebra I	9	1	**
MATH 0910	Axiomatic Geometry	9	1	**
MATH 0925	Axiomatic Geometry Honors	9	1	***
MATH 1010	Algebra II	10	1	**
MATH 1025	Algebra II Honors	10	1	***
MATH 1110	Pre-Calculus	11	1	**
MATH 1125	AP Precalculus	11	1	***
MATH 1210	AP Calculus AB: Calculus of One Variable I	12	1	***
MATH 1220	AP Calculus BC: Calculus of One Variable II	12	1	***
MATH 1230	AP Statistics	11-12	1	***
MATH 1240	Introduction to Statistics	11-12	1	**
MATH 1205	Multivariable calculus	12	1	**
MATH 3310	Math Lab (Mini Course)	9-11	0.5	*
MATH 3320	Data Science (Mini Course)	11-12	0.5	*
PHYSICAL EDUCATION		Page 39		
PHED 0920	Principles of Personal Health	9	0.5	*
PHED 0911	Grade 9 Physical Education	9	0.5	*
PHED 1012	Grade 10 Physical Education	10	0.5	*
PHED 1130	Strength and Conditioning (Mini Course)	11-12	0.5	*
PHED 4430	Introduction to Kinesiology	11-12	1	**
PHED 1131	Sports and Exercise Science (Mini Course)	11-12	0.5	*
SCIENCE		Page 43		
BIOL 0910	Biology	9	1	**
CHEM 1010	Chemistry	10	1	**
PHYS 4410	Physics	10-12	1	**
ENVI 4420	AP Environmental Science	11-12	1	***
BIOL 4410	AP Biology	10-12	1	***
CHEM 4410	AP Chemistry	11-12	1	***
PHYS 4420	AP Physics 1	11-12	1	***
PHYS 4430	AP Physics 2	11-12	1	***
PHYS 4440	AP Physics C (Mechanics and Electricity/Magnetism)	11-12	1	***
SCIE 3310	Integrated Science	11-12	1	**
SCIE 3320	Astronomy	9-12	0.5	*
SOCIAL STUDIES		Page 49		
HIST 0910	The Early Modern World	9	1	**
HIST 0915	The Early Modern World (Accelerated)	9	1	***
HIST 1005	The Early Modern World (for GAP)	10	1	**
HIST 1010	The Modern World: 1900-Present	10	1	**
HIST 1025	AP World History	10	1	***

HIST 1105	The Modern World: 1900-Present (for GAP)	11	1	**
HIST 1110	United States History	11	1	**
HIST 1120	AP United States History	11	1	***
HIST 1200	United States History (for GAP)	12	1	**
HIST 4410	AP European History	11-12	1	***
SEMI 1120	AP Seminar	10-12	1	***
ECON 1210	AP Economics	11-12	1	***
RESE 1220	AP Research	11-12	1	***
BUSI 4420	Applied Business and Entrepreneurship	10-12	1	**
PSYC 4410	AP Psychology	11-12	1	***
TECHNOLOGY		Page 56		
TECH 3310	Design Technology	9-12	1	*
TECH 3355	Film 1	9-12	1	*
TECH 3360	Yearbook Design 1	9-12	1	**
TECH 3370	Yearbook Design 2	10-12	1	**
TECH 3380	Yearbook Design 3	11-12	1	**
TECH 3390	Yearbook Design 4	12	1	**
TECH 3400	Introduction to Robotics	9-12	1	*
TECH 3450	Advanced Robotics	10-12	1	*
TECH 4420	Broadcast Journalism 1	9-12	1	*
TECH 4421	Broadcast Journalism 2	9-12	1	*
TECH 4422	Broadcast Journalism 3	9-12	1	*
TECH 4423	Broadcast Journalism 4	9-12	1	*
TECH 4435	Film 2	10-12	0.5	*
TECH 4445	Advanced Game Development	9-12	0.5	*
COMP 3340	Introduction to Computer Science	9-12	1	*
COMP 4410	AP Computer Science A	10-12	1	***
COMP 4420	AP Computer Science Principles	9-12	1	***
COMP 4430	AP Cybersecurity	9-12	1	***
VISUAL AND PERFORMING ARTS		Page 62		
ARTS 3310	Art & Creativity	9-12	1	**
ARTS 3340	Three-Dimensional Art	9-12	1	**
ARTS 3360	Textile & Fiber Arts	9-12	1	**
ARTS 3350	Media Arts	9-12	1	**
ARTS 4420	AP Art and Design	10-12	1	***
ARTS 4430	AP Art History	10-12	1	***
MUSC 4432	Chamber Orchestra	9-12	0.5	*
MUSC 4441	Vocal Band	9-12	0.5	*
THEA 4434	Theater Arts (Mini Course)	9-12	0.5	*
MINI COURSES		Page 68		

Credit Progression Sheet



Student Name - _____ Grade - _____

Checklist for Graduation Requirements

Subject Area	Required Credits	How many credits have I earned now?	My plan for next year
English	4		
Social Sciences	3		
Math	3		
Science	3		
Foreign Language	3		
PE	1		
Health	0.5		
Life skills (credits are pro-rated)	1		
VAPA	1		
Tech	1		
Any other additional courses	2		
Co-curricular activity (credits are pro-rated)	1		
Community Service hours (credits are pro-rated)	100 h		
Total Credit Needed	23.5		



Student Name: _____

Graduation Year: 2027 2028 2029 2030

HIGH SCHOOL COURSE PLANNER

GRADE 9	GRADE 10
GRADE 11	GRADE 12

HS English Department

Grade 9 students must enroll in

**Foundations of Western Literature OR Western Literature OR Western Literature Accelerated* OR
Foundations of Western Literature (for GAP)**

Grade 10 students must enroll in

**Major Works of World Literature OR Major Works of World Literature- Accelerated* OR
Foundations of Western Literature (for GAP)**

Grade 11 students must enroll in

**Survey of American Literature OR AP English Language and Composition* OR AP English Literature and
Composition* OR Major Works of World Literature (for GAP)**

Grade 12 students must enroll in

**Survey of British Literature OR AP English Literature and Composition* OR AP English Language and
Composition* OR Survey of American Literature**

Elective Class - Grade 9-12

Creative Writing

*Students are required to meet prerequisites

English Language and Literature Department Courses

Course Code	Course Name	Credits	HW Load
ENGL 0910	Foundations of Western Literature	1	**
ENGL 0930	Western Literature	1	**
ENGL 0935	Western Literature – Accelerated	1	***
ENGL 1000	Academic Writing (for GAP)	1	**
ENGL 1005	Foundations of Western Literature (for GAP)	1	**
ENGL 1010	Major Works of World Literature	1	**
ENGL 1020	Major Works of World Literature – Accelerated	1	***
ENGL 1105	Major Works of World Literature (for GAP)	1	**
ENGL 1110	Survey of American Literature	1	**
ENGL 1120	AP English Language and Composition	1	***
ENGL 1205	Survey of American Literature (for GAP)	1	**
ENGL 1210	Survey of British Literature	1	**
ENGL 1220	AP English Literature and Composition	1	***
ENGL 4490	Creative Writing (Elective)	1	*

The English department is dedicated to providing high-quality education in English literature and language. We focus on helping students understand, interpret, and analyze a wide range of texts from around the world.

Our goal is to help students appreciate and enjoy literature and language. In our classes, students read works of fiction and non-fiction from different cultures, countries, and time periods—from the earliest poems and stories to modern writing. We explore the meanings, messages, and unique styles of many authors through deep analysis and discussion.

In high school, students focus on academic writing for different purposes, learning essential skills for essays, research, and writing for various audiences. Creative writing, including fiction and poetry, is also part of the program. All classes include a mix of fiction, non-fiction, plays, and poetry.

By the time students graduate, we aim to ensure they are confident readers and skilled writers, ready for success in university and beyond.

The English department will use the following criteria for acceptance into Accelerated and AP classes:

- Student’s previous performance in English classes and standardized tests – WrAP, MAP, PSAT etc.
- Teacher recommendations.
- An objective assessment given at end of March / start of April.

ENGL 0910	Foundations of Western Literature	HW Load: **
<i>Prerequisite:</i>	<i>Academic fulfillment of approved Grade 8 English courses.</i>	1 Credit
<p>Students will explore important works of Western literature across a range of genres, building a strong foundation in key literary forms. Through close reading and discussion, they will learn how authors use language, structure, and style to create meaning. Alongside this, students will develop essential academic literacy skills in reading, writing, and standard English, giving them the tools and confidence to communicate clearly, think critically, and succeed across all subjects.</p>		

ENGL 0930	Western Literature	HW Load: **
<i>Prerequisite:</i>	<i>Academic fulfillment of approved Grade 8 English courses.</i>	1 Credit
<p>Students will explore important works of Western literature across different genres, helping them understand key literary forms. By studying how authors use different techniques and styles, students will develop the skills to interpret and appreciate what they read. They will also strengthen their understanding of standard English and practice writing for different purposes.</p>		

ENGL 0935	Western Literature – Accelerated	HW Load: ***
<i>Prerequisite:</i>	<i>Teacher recommendation; Performance on placement test</i>	1 Credit
<p>Similar to ENGL 0910, but students in this course will complete additional readings throughout the year and write essays at a more advanced level than in the Grade 9 Regular English course. They are expected to actively participate in in-depth discussions to generate ideas for their writing. Overall, expectations for writing, discussions, and performance are higher than those in the regular Grade 9 English class.</p>		

ENGL 1000	Academic Writing (for GAP)	HW Load: **
<i>Prerequisite:</i>	<i>None</i>	1 Credit
<p>This course aims to equip tenth-grade students with the core skills necessary for effective academic writing. Throughout the semester, emphasis will be placed on developing proficiency in academic language, gaining confidence in organizational structures, fostering critical thinking abilities, and practicing incorporating text evidence in various ways. We will also use the MLA citation system and learn how to identify credibility in sources for media literacy purposes. The course aims to cultivate a deep understanding of the conventions and expectations of scholarly discourse, preparing students for success in higher education and professional settings. As such, a key focus will also be placed on creativity and logic, where students will constantly be challenged to create suggestions and analysis points on topics that could benefit society.</p>		

ENGL 1005	Foundations of Western Literature (for GAP)	HW Load: **
<i>Prerequisite:</i>	<i>Academic fulfillment of Grade 9 English course (GAP)</i>	1 Credit
<p>Foundation of Western Literature class offers students a rich and comprehensive exploration of literary masterpieces shaping the Western literary tradition. This course integrates critical reading, analytical writing, research skills, and vibrant class discussions to foster a deep understanding of selected texts and the broader cultural and historical contexts influencing them. Course objectives encompass developing advanced critical reading skills, enhancing analytical writing abilities, cultivating research skills for independent exploration, and actively participating in thoughtful and respectful class discussions. Emphasis is placed on close reading, analysis of literary devices, exploration of themes, characters, historical contexts, constructing well-organized essays, and integrating research to support arguments.</p>		

ENGL 1010	Major Works of World Literature	HW Load: **
<i>Prerequisite:</i>	<i>Academic fulfillment of an approved Grade 9 English course.</i>	1 Credit
<p>Students study major works of world literature from diverse cultures and genres, focusing on writers beyond the traditional Western canon. They explore shared themes and cultural differences, developing critical thinking skills along the way. The course includes written responses to literature and oral communication through speeches and presentations. Emphasis is placed on improving writing skills, with assignments like personal essays, research papers in MLA format, and comparative and critical analysis, focusing on the writing process and revision to prepare for college-level work.</p>		

ENGL 1020	Major Works of World Literature - Accelerated	HW Load: ***
<i>Prerequisite:</i>	<i>Teacher recommendation; Performance on placement test</i>	1 Credit

Similar to ENGL 1010 but Accelerated students are expected to complete extra readings and write essays at a more advanced level than those in the Grade 10 Regular English course. **Their work is assessed using higher-level standards, and the expectations for writing, discussions, and overall performance are greater than in the regular course.**

ENGL 1105	Major Works of World Literature (for GAP)	HW Load: **
<i>Prerequisite:</i>	<i>Academic fulfillment of Grade 10 English course (GAP)</i>	1 Credit
<p>This course is designed to expose students to diverse literary works that have left an indelible mark on global literature. Through intensive reading, analytical writing, research, and dynamic class discussions, students will explore universal themes, cultural nuances, and historical contexts embedded in selected texts. Course objectives include engaging in close reading and analysis of major works from different parts of the world, refining analytical writing abilities, developing research skills, and active participation in class discussions. Assessment methods include essays, class participation, and research projects, aiming to deepen students' understanding of world literature and cultivate critical thinking. By the course's conclusion, students will have expanded their literary horizons, developed a deeper appreciation for the global tapestry of human experience, and acquired skills to navigate an interconnected world through meaningful engagement with diverse cultures.</p>		

ENGL 1110	Survey of American Literature	HW Load: **
<i>Prerequisite:</i>	<i>Academic fulfillment of approved Grade 10 English course.</i>	1 Credit
<p>This course invites students to explore American literature, focusing on the themes, genres, and voices that have shaped contemporary thought and culture. Through critical discussions, students will examine how these works reflect and challenge societal values, and how their themes connect to students' own lives and experiences.</p> <p>The class emphasizes active participation in discussions to deepen understanding and encourage diverse perspectives. Written assignments will include literary analysis, reflective essays, and creative responses, helping students strengthen their ability to express ideas clearly and thoughtfully.</p> <p>Oral skills will be developed through class discussions, debates, and presentations, with an emphasis on engaging audiences and articulating viewpoints effectively. By the end of the course, students will have a stronger appreciation of American literature and the skills to communicate their insights confidently in both written and spoken formats.</p>		

ENGL 1120	AP English Language and Composition	HW Load: ***
<i>Prerequisite:</i>	<i>Teacher recommendation; Performance on placement test This course is recommended for Grade 11 students, but Grade 12 students can also apply if they meet the prerequisites</i>	1 Credit
<p>The Advanced Placement English Language and Composition course helps students become strong readers of nonfiction and prose from different time periods, subjects, and contexts. It also focuses on building their skills as versatile writers for a variety of purposes. Students learn how a writer's purpose and style connect with the audience's expectations and how the use of language and standard English conventions contribute to effective writing.</p> <p><i>Students who enroll in this course are expected to take the AP exam in May.</i></p>		

ENGL 1205	Survey of American Literature (for GAP)	HW Load: **
<i>Prerequisite:</i>	<i>Academic fulfillment of approved Grade 10 English course.</i>	1 Credit

Survey of American Literature promises a captivating exploration of influential works that have shaped the diverse landscape of American literary tradition. The course integrates critical reading, analytical writing, research skills, and dynamic class discussions to deepen students' understanding of selected texts and the broader cultural and historical contexts influencing American literature. Objectives include engaging in thoughtful analysis of key works, developing advanced analytical writing skills, honing research skills, and active participation in class discussions. Assessment methods include essays, class participation, and research projects, aiming to cultivate critical thinking and connect literature to broader historical and societal trends. By the course's conclusion, students will have expanded their knowledge, developed critical skills, and gained the ability to engage with and critically evaluate the rich tapestry of American literary heritage.

ENGL 1210	Survey of British Literature	HW Load: **
<i>Prerequisite:</i>	<i>Academic fulfillment of approved Grade 11 English course.</i>	1 Credit
<p>This course takes students on a journey through the evolution of British literature, from its Anglo-Saxon beginnings to contemporary works. Students will explore how these texts reflect their historical and cultural contexts and examine the complex themes that resonate in today's world.</p> <p>Class discussions and debates are central, encouraging students to share insights, engage with diverse perspectives, and connect literature to their own experiences. Alongside studying fiction, students will also analyze non-fiction works to develop a deeper understanding of how different genres shape meaning and argument.</p> <p>Creative writing is integrated into the course, allowing students to experiment with literary styles and develop their own voices in response to the texts they read. Written assignments will include literary analysis, reflective essays, and synthesis, honing students' skills in both academic and creative expression.</p> <p>Through writing, oral presentations, and interactive discussions, students will deepen their understanding of British literature and strengthen their ability to communicate ideas with clarity, creativity, and confidence.</p>		

ENGL 1220	AP English Literature and Composition	HW Load: ***
<i>Prerequisite:</i>	<i>Teacher recommendation; Performance on placement test. This course is recommended for Grade 12 students, but Grade 11 students can also apply if they meet the prerequisites</i>	1 Credit
<p>The Advanced Placement English Literature and Composition course focuses on reading and analyzing literature and poetry in depth. Through close reading, students explore how writers use style and techniques to convey meaning across different genres. They study a work's structure, style, and theme, as well as elements like figurative language, imagery, symbolism, and tone.</p> <p><i>Students who enroll in this course are expected to take the AP exam in May.</i></p>		

ENGL 4490	Creative Writing (Elective)	HW Load: *
<i>Prerequisite:</i>	<i>Student Creative Writing Sample / Recommendation from English Teacher</i>	1 Credit
<p>This course gives students the chance to develop their creative writing skills while exploring different genres and styles. Students will write fiction, poetry, and plays, using literary examples as mentor texts to refine their craft and improve their writing techniques.</p>		

HS Chinese

Students may choose any of the courses below as electives based on meeting prerequisites.

Electives for Native Chinese Speakers

Non-native Chinese Speakers

Basic

Electives

Chinese Performing Arts

Elementary Chinese

AP Chinese Language and Culture*

Studying China through
Multimedia

Intermediate Chinese

Business Chinese

Advanced Business
Chinese

Upper Intermediate
Chinese

Chinese Cultural
Traditions and Values

Chinese Literature

Studies of Modern
and Contemporary
Chinese Works

Students are required to meet prerequisites.

*Native Chinese Speakers are not eligible to take an AP Chinese class, but they are encouraged to apply to take the AP Chinese test in May individually.

World Languages

Students may choose any of the courses below as electives based on meeting prerequisites.

Spanish

Spanish 1

Spanish 2

Spanish 3

**AP Spanish
Language and Culture***

French

French 1

French 2

French 3

**AP French
Language and Culture***

*Students are required to meet prerequisites.

Chinese language courses

Course Code	Course Name	Credit	HW Load
CHIN 3310	Elementary Chinese Language	1	**
CHIN 3320	Intermediate Chinese Language	1	**
CHIN 3325	Upper Intermediate Chinese Language	1	**
CHIN 3330	AP Chinese Language and Culture	1	***
CHIN 4420	Chinese Cultural Traditions and Values	1	**
CHIN 4460	Business Chinese	1	**
CHIN 4435	Chinese Performing Arts	1	**
CHIN 4440	Studying China through Multimedia	1	**
CHIN 4455	Chinese Literature	1	**
CHIN 4465	Advanced Business Chinese	1	**
CHIN 4475	Studies of Modern and Contemporary Chinese Works	1	**

Chinese is included in Foreign Language credits. The Chinese language program is mandatory for all SMIC-I students from Grade 1 to Grade 8. For High School students, if you have already learned Chinese for at least one year from Grade 1 to Grade 8, or if you meet the Chinese proficiency level for completing the Elementary Chinese Language course of High School, you are welcome to take Spanish or French for language credits (but your English grade in Grade 8 should be above B). If you choose to study Chinese for language credits, the Chinese department offers two systems of curriculum to tailor the needs of students' background:

I. For Non-native Chinese Speakers

All Grade 9–Grade 12 students at SMIC-I are expected to achieve at least elementary-level Chinese before graduating. The CSL (Chinese as a Second Language) program offers basic courses of 3 levels' classes: Elementary Chinese, Intermediate Chinese, and Upper Intermediate Chinese. The courses are also designed to improve students' understanding and appreciation of the diverse cultures of the Chinese-speaking world. If you are qualified for basic Chinese courses, you are eligible to enroll in elective courses: AP Chinese, Business Chinese or Chinese Cultural Traditions and Values.

CHIN 3310	Elementary Chinese Language	HW Load: **
Prerequisite:	<i>None. This course is only open to non-native Chinese speakers.</i>	1 Credit
<p>This course serves as the foundation of a three-year basic Chinese learning sequence. It equips students with fundamental knowledge and skills essential for Chinese language proficiency, including pinyin, basic strokes and stroke order, character structures, Chinese radicals, simple characters, and Chinese typing proficiency.</p> <p>The course is organized into themed chapters, with each unit centered on distinct topics featuring theme-specific vocabularies, core grammar points and conversational dialogues. The units cover a range of topics such as numbers, hobbies, education, time and date, daily life etc.</p>		

CHIN 3320	Intermediate Chinese Language	HW Load: **
Prerequisite:	<i>Successful completion of CHIN 3310 or with departmental approval. This course is only open to non-native Chinese speakers.</i>	1 Credit

This is the second course in the three-year sequence of basic Chinese learning curriculum. Building on the foundation laid in Elementary Chinese, students are expected to master the word order of Chinese sentence structures, communicate fluently in dialogues, and present on familiar topics with comparisons to their own cultures. Additionally, students should be able to summarize texts by grasping the main ideas and identifying key details within 100 words and infer the meanings of unfamiliar words from context. The units cover scenarios such as moving to a new school, new home, new community as well as how to be global citizens, etc.

CHIN 3325	Upper Intermediate Chinese Language	HW Load: **
Prerequisite:	<i>Successful completion of CHIN 3320 or with departmental approval. This course is only open to non-native Chinese speakers.</i>	1 Credit

This is the third course in the three-year sequence of basic Chinese learning. Building on the fundamental knowledge acquired from the first two courses, students will be able to write coherent paragraphs fluently by using transitional words to improve textual flow. They should also be able to use descriptive words and adverbs to express their opinions and personal interests accurately, both orally and in writing. The course units cover topics such as travelling experiences in China and common school-related concerns and challenges for students etc.

The following courses are elective classes for students who have completed CHIN 3325 or received Departmental approval based on an acceptable entrance test score.

CHIN 3330	AP Chinese Language and Culture	HW Load: ***
Prerequisite:	<i>Students in CHIN3325 or CSL 8 advanced need to get a B+ to directly get approved into this course. Or students get a B- or B and pass an entrance test. Students in CSL 8 developing need to get an A and pass an entrance test to get approved into this course. This course is only open to non-native Chinese speakers.</i>	1 Credit

The Advanced Placement Chinese Language and Culture course develops students' ability to demonstrate Chinese language proficiency across the three communicative modes (interpersonal, interpretive, and presentational) and the five goal areas (communication, cultures, connections, comparisons, and communities). Students in this course will explore contemporary Chinese society and culture, examine key events, figures, and themes in Chinese history, communicate more effectively in real-life scenarios through authentic materials, and build the linguistic knowledge necessary for advanced Chinese proficiency. Students who are enrolled in this course will take the AP Chinese test in May.

CHIN 4420	Chinese Cultural Traditions and Values	HW Load: **
Prerequisite:	<i>Successful completion of CHIN 3325 or with departmental approval. This course is only open to non-native Chinese speakers.</i>	1 Credit

This course on Chinese Cultural Traditions and Values explores the foundations of Chinese civilization and the diverse dimensions of Chinese culture. It particularly examines the connection between Chinese culture and the contemporary values of the Chinese people. Also, it pays special attention to the various cultural elements within the context of current social structures, belief systems, literature, art, customs, etc. The course aims to provide students with a deeper understanding of Chinese culture, thereby fostering a holistic perception of China. Students will be required to complete various projects and homework assignments throughout the year, which encourages them to express their unique insights into specific cultural phenomena both orally and in writing.

CHIN 4460	Business Chinese	HW Load: **
Prerequisite:	<i>Successful completion of CHIN 3325 or with departmental approval. This course is only open to non-native Chinese speakers.</i>	1 Credit

The course is designed for students of non-native Chinese speakers who may be interested in a business major and are planning to do business in China. Students will build language confidence in this course by learning business terminology, expressions, and related cultural knowledge. The students will also learn fundamental business concepts such as marketing, branding, market survey, negotiating skills, etc.

II. For Native Chinese Speakers

Five Chinese elective courses are offered with particular topics: Chinese Performing Arts, Studying China Through Multimedia, Chinese Literature, Advanced Business Chinese and Studies of Modern and Contemporary Chinese.

CHIN 4435	Chinese Performing Arts	HW Load: **
Prerequisite:	<i>This course is only open to native Chinese speakers or with departmental approval.</i>	1 Credit
<p>This course is designed to enhance students' knowledge and help them to become familiar with powerful narrative and poetic genres, works, and themes in modern Chinese arts and to understand the historical emergence of contemporary Chinese arts and their relation to other Chinese performance forms, including Chinese theater, dance, comics, and film.</p> <p>Students will be able to analyze modern Chinese dramatic texts within historical, cultural, and political context. This course will also introduce traditional Chinese literature from its origins to the final imperial dynasty. Particular attention will be paid to developing critical literary themes, practices, and conventions. Relevant cultural and historical contexts will be provided in class. Students are expected to participate actively in class discussions, during which the texts will be closely read and analyzed. This class allows students to reproduce these artworks in their unique way.</p>		

CHIN 4440	Studying China Through Multimedia	HW Load: **
Prerequisite:	<i>This course is only open to native Chinese speakers or with departmental approval.</i>	1 Credit
<p>The course aims to give students a deeper and broader understanding of Chinese society by studying news and current events. This course depends on current events for teaching materials: any ongoing events or prevalent ideas in China, or those widely discussed by the Chinese people, form the core content students need to explore and learn.</p> <p>Students will learn through words, pictures, interviews, and TV programs. Class discussions, demonstrations, investigations, debates, and other assignments will then enhance students' linguistic proficiency and logical thinking skills. Potential topics include China's educational system, transportation during the Spring Festival, Spring Festival Gala Evening, Chinese New Year films, groups, and Chinese slang from the internet. Through this course, students survey the current state of Chinese society and culture, and develop a broad and realistic understanding of the society they live in.</p>		

CHIN 4455	Chinese Literature	HW Load: **
Prerequisite:	<i>This course is only open to native Chinese speakers or with departmental approval.</i>	1 Credit
<p>This course offers students the opportunity to deepen their understanding of major works of Classical Chinese Literature. As the course progresses, students will critically engage in the relationship between literature and society. Through this exploration, students will not only gain insight into the cultural and historical significance of these works but also develop advanced Chinese language skills. By examining relevant, modern-day issues, students will refine their ability to express ideas clearly and persuasively. Our thematic units aim to inspire students to connect on a personal level, reflection writing, and effective oral communication, ensuring a comprehensive approach to language and literature.</p>		

CHIN 4465	Advanced Business Chinese	HW Load: **
Prerequisite:	<i>This course is only open to native Chinese speakers, or with departmental approval.</i>	1 Credit
<p>This course is designed for students to acquire comprehensive practical business skills. It will cover topics from effective advertising strategies to the anatomy of a modern shopping mall. Advanced Business Chinese course allows students to analyze business strategies and develop their own project plans. Students will be familiarized with business terminology, etiquette, and strategies essential to success in the industry.</p>		

CHIN 4475	Studies of Modern and Contemporary Chinese Works	HW Load: **
Prerequisite:	<i>This course is only open to native Chinese speakers, or with departmental approval.</i>	1 Credit
<p>This course provides students with the opportunity to engage in both verbal and written discussions centered around the ideas explored in Chinese literary texts. Emphasizing critical thinking and logical analysis, the course challenges students to apply these skills to a wide range of topics. Students will read and analyze a selection of Chinese novels and other works, through cross-cultural lens, fostering a deeper understanding of Chinese literature in its historical and contemporary contexts.</p>		

Spanish Language Courses

Course Code	Course Name	Credit	HW Load
SPAN 0910	Spanish I	1	**
SPAN 1010	Spanish II	1	**
SPAN 1110	Spanish III	1	**
SPAN 1210	AP Spanish Language and Culture	1	***

The Spanish program offers a 4-year sequence of language instruction. The main objective of the program is for students to communicate as indicated on the ACTFL Proficiency Benchmarks and Performance Indicators. The courses are also designed to increase students' understanding and appreciation of the diverse cultures of the Spanish-speaking world.

SPAN 0910	Spanish I	HW Load: **
Prerequisite:	<i>B in regular English or C in Accelerated English.</i>	1 Credit
<p>This is the first course in the four-year sequence of Spanish language instruction. This course stresses the skills of speaking, listening, reading and writing at the novice level in the three modes of communication (Interpersonal, Interpretive and Presentational) to enable students to communicate in both familiar and everyday contexts (introduction of self, family and friends, likes and dislikes, daily routine, food, etc.) using basic vocabulary and grammar structures. Students will be exposed to cultural components of the Spanish Speaking world, such topics as customs, history, art, and literature. In class, students interact with authentic materials and are encouraged to use the target language as much as possible.</p>		

SPAN 1010	Spanish II	HW Load: **
Prerequisite:	<i>C or above in SPAN 0910 or equivalent as established by entrance examination.</i>	1 Credit

This is the second course in the four-year sequence of Spanish language instruction. This course builds upon the skills acquired in Spanish I and stresses the three modes of communication (Interpersonal, Interpretive and Presentational) at the intermediate level. Students are expected to communicate in both familiar (trips, family, media, food etc.) and unfamiliar (environment and conservation, careers and professions, etc.) contexts as well as diverse time frames (present, past and future). Students will be exposed to cultural components of the Spanish Speaking world, such topics as customs, history, art, and literature. In class, students will interact with authentic materials, and the expectation is that students mainly use the target language for all class activities.

SPAN 1110	Spanish III	HW Load: **
<i>Prerequisite:</i>	<i>C or above in SPAN 1010 or equivalent as established by entrance examination.</i>	1 Credit

This is the third course in the four-year sequence of Spanish language instruction. This course builds upon the skills acquired in Spanish I and II and stresses the three modes of communication (Interpersonal, Interpretive and Presentational) at the intermediate high level. Students are expected to communicate in both familiar and unfamiliar contexts as well as diverse time frames (present, past, future, perfect tenses and conditional). Students will be exposed to cultural components of the Spanish Speaking world, such topics as customs, history, art, and literature. In class, students interact with authentic materials, and the expectation is that students communicate only using the target language for all class activities. In this class, students will be prepared to present, interpret and exchange information using a wide variety of abstract concepts, vocabulary and grammar structures.

SPAN 1210	AP Spanish Language and Culture	HW Load: ***
<i>Prerequisite:</i>	<i>Passing grade in SPAN 1110 or equivalent as established by entrance examination.</i>	1 Credit

The AP Spanish Language and Culture course will engage the students in the three foundational modes of communication (Interpersonal, Interpretive and Presentational). The course will provide students with opportunities to demonstrate advanced proficiency in each of the three modes focusing on six overarching themes that are the heart of real-world communication. Emphasis will be set on developing language skills and enhancing cultural knowledge. Consequently, the course will be taught exclusively in Spanish. Overall, this course guides students in an exploration of the Hispanic culture on both contemporary and historical aspects using wide variety of authentic material related to Families and Communities, Science and Technology, Beauty and Aesthetics, Contemporary Life, Global Challenges and Personal and Public Identities.

Students who enroll in this course are expected to take the AP exam in May.

French Language Course

Course Code	Course Name	Credit	HW Load
FREN 0910	French I	1	**
FREN 1010	French II	1	**
FREN 1110	French III	1	**
FREN 3330	AP French Language and Culture	1	***

The French program offers a 4-year sequence of language instruction. The main objective of the program is for students to communicate as indicated on the ACTFL Proficiency Benchmarks and Performance Indicators. The courses are also designed to increase students' understanding and appreciation of the diverse cultures of the French-speaking world.

FREN 0910	French I	HW Load: **
<i>Prerequisite:</i>	<i>B in regular English or C in Accelerated English.</i>	1 Credit
<p>This is the first course in the four-year sequence of language instruction offered by the French program at the SMIC-I School. It introduces the basic grammar principles which will be built on in subsequent years, including the present, past and immediate future tenses of regular along with certain irregular verbs, the use of definite and indefinite articles, demonstrative adjectives, possessive adjectives, question formation, and the pronouns "y" and "en". Chapter units will focus on thematic vocabulary in conjunction with grammar to develop an acceptable degree of proficiency in the three modes of communication (Interpersonal, Interpretive and Presentational). Each unit includes a cultural component emphasizing the grammar and vocabulary of the unit: "Geoculture" includes such topics as French customs, history, art, and literature. In class, students are exposed to authentic materials to develop the three modes of communication through: reading, listening, speaking and writing activities, all of which are aligned with the grammar and vocabulary topics of the text.</p>		

FREN 1010	French II	HW Load: **
<i>Prerequisite:</i>	<i>C or above in FREN 0910 or equivalent as established by entrance examination.</i>	1 Credit
<p>This is the second course in the four-year sequence of language instruction offered by the French program at the SMIC-I School. It provides a comprehensive review of the grammar principles presented in French I and the introduction of additional grammar structures, including the present tense of irregular verbs, the past tense, the imperfect, the imperative, reflexive verbs, object pronouns, relative clauses, and adjective agreement. Chapter units will focus on thematic vocabulary in conjunction with grammar to develop an acceptable degree of proficiency in the three modes of communication (Interpersonal, Interpretive and Presentational). Each unit includes a cultural component emphasizing the grammar and vocabulary of the unit: "Geoculture" includes such topics as French customs, history, art, and literature. In class, students are exposed to authentic materials to develop the three modes of communication through: reading, listening, speaking and writing activities, all of which are aligned with the grammar and vocabulary topics of the text.</p>		

FREN 3330	AP French Language and Culture	HW Load: ***
<i>Prerequisite:</i>	<i>Passing grade in FREN 1110 or equivalent as established by entrance examination</i>	1 Credit
<p>The AP French Language and Culture course will engage the students in the three foundational modes of communication (Interpersonal, Interpretive and Presentational). The course will provide students with opportunities to demonstrate advanced proficiency in each of the three modes focusing on six overarching themes that are the heart of real-world communication. Emphasis will be set on developing language skills and enhancing cultural knowledge. Consequently, the course will be taught exclusively in French. Overall, this course guides students in an exploration of the French and Francophone cultures on both contemporary and historical aspects using wide variety of authentic material related to Families and Communities, Science and Technology, Beauty and Aesthetics, Contemporary Life, Global Challenges and Personal and Public Identities.</p> <p><i>Students who enroll in this course are expected to take the AP exam in May.</i></p>		

FREN 1110	French III	HW Load: **
<i>Prerequisite:</i>	<i>C or above in FREN 1010 or equivalent as established by entrance examination.</i>	1 Credit
<p>This is the third course in the four-year sequence of language instruction offered by the French program at the SMIC-I School. It provides a comprehensive review of the grammar principles presented in French II and the introduction of additional grammatical structures, including the subjunctive of regular and irregular verbs, the pluperfect, the past conditional and future tenses, and negative expressions. Chapter units will focus on thematic vocabulary in conjunction with grammar in order to develop an acceptable degree of proficiency in the three modes of communication (Interpersonal, Interpretive and Presentational). Each unit includes a cultural component emphasizing the grammar and vocabulary of the unit: "Geoculture" includes such topics as French customs, history, art, and literature. In class, students are exposed to authentic materials to develop the three modes of communication through: reading, listening, speaking and writing activities, all of which are aligned with the grammar and vocabulary topics of the text.</p>		

Life Skills Courses

Course Code	Course Name	Credit	HW Load
LIFE 0910	Life Skills 9	0.25	*
LIFE 1010	Life Skills 10	0.25	*
LIFE 1110	Life Skills 11	0.25	*
LIFE 1210	Life Skills 12	0.25	*

Life skills courses are offered at every grade level. These classes provide help to students in dealing with situations they will encounter in their lives such as learning about topics including personal relationships, their own personality, organization skills, developing good study habits, sexuality, risk behaviors, decision making skills, coping with bullies, and planning for university. High School students must earn 0.25 credits in Life Skills courses each year for a total of 1.00 credits prior to graduation. This graduation requirement applies only to those students who enroll in G9. Transfer students, however, are required to earn .25 credits each year starting in the grade level in which they enter SMIC-I. For example, if a student enters as a G11 student, he or she is required to earn .25 for G11 and .25 for G12 only.

LIFE 0910	Life Skills 9	HW Load: *
<i>Prerequisite:</i>	<i>None</i>	0.25 Credit
<p>G9 curriculum focuses on increasing the student's overall self-identity and how it applies to the road ahead. Students will take several inventories on learning styles, career interests, and personality and intelligence types. They will study about which learning style best suits them and their personality and explore possible fields of study that would interest them as they go through college. An overview of college preparation for freshmen (e.g. prerequisites for AP classes) will be discussed. They will begin to explore career options and research different occupations and their requirements. Importance of Academic success, Course selection and Graduation requirements will also be discussed. Moreover, students will learn about Extra-curricular activities and its relationship with college preparation. Cultural awareness, tolerance, healthy relationships, proper etiquette, and boundaries will also be covered. Furthermore, managing student's online life, effective communication, and social relations will also be discussed during Life skills class. The character education words promoted in the G9 course are self-awareness, diligence, respect and individuality.</p>		

LIFE 1010	Life Skills 10	HW Load: *
<i>Prerequisite:</i>	<i>None</i>	0.25 Credit
<p>G10 curriculum continues to explore the students' self-awareness looking ahead towards college. Students will formulate their own personal identity and how it relates to college and career. There will be an introduction to the college application process and the various test requirements, test dates, including the SAT, ACT and TOEFL. They will learn about influential factors in choosing a college or university as well as choosing a major. Students will learn about Resume writing and basic employability skills such as interview preparation. Other topics for the G10 Life skills curriculum include cultural awareness, embracing diversity, dealing with hardships and disappointments, managing time, procrastination, as well as maintaining school/life balance. Social competency, managing one's cyber presence, stress recognition and management, depression, suicide awareness, basic financial literacy, etiquette, as well as effective communication skills. All these skills are essential in the shaping of a global citizen. The character education words promoted in the G10 course are self-discipline, perseverance, tolerance, and humility.</p>		

LIFE 1110	Life Skills 11	HW Load: *
<i>Prerequisite:</i>	<i>None</i>	0.25 Credit
<p>The G11 Life Skills curriculum focuses on preparing students for college by providing an in-depth overview of the college admissions process. Topics include: College choices, finding the right fit in terms of establishing an appropriate list of dream, target and safety schools, Resume building revision and editing, the holistic approach to college admissions, time management, awareness of application requirements and deadlines, how to request recommendation letters, following-up with recommenders and apprising them of deadlines in advance, drafting personal statements, and preparing, writing and editing college essays. Students will also learn how to search for merit-based scholarships and apply for financial aid. A substantial component of the G11 curriculum will consider the importance of standardized tests as well as introductions to the Common Application, Coalition, UCAS and several international college applications systems. Throughout the year, students will have the opportunity to participate in college fairs (online/in-person and webinars featuring college admissions representatives (as well as anticipated on-campus college presentations). Additionally, there will be lessons devoted to career planning as well as prospective social and cultural transition to university life in international settings. Character education words promoted in the G11 course are independence, intentionality, resilience and adaptiveness.</p>		

LIFE 1210	Life Skills 12	HW Load: *
<i>Prerequisite:</i>	<i>None</i>	0.25 Credit
<p>The G12 Life Skills curriculum aims at assisting students in the actual college applications process (spanning the final stages of college search, selection to finding the college which constitutes the best fit as well as to exploring financial aid/scholarship opportunities). Students will have the opportunity to participate in virtual college fairs, information sessions and webinars in addition to anticipated resumption of on-campus meetings with college representatives. Throughout the year, the counseling office will advise students throughout the entire college application process (from requesting recommendation letters and transcripts, meeting application deadlines, registering and sitting standardized tests, submitting score reports and transcripts, and making final decisions as to where to commit and eventually matriculate). Uploading of official transcripts and supporting documents online as well as assistance with the processing application packets via Cialfo will be provided. The counseling office will also follow-up with the respective colleges concerning the application process. Seeking to buy student financial literacy, multiple lessons will be dedicated to budgeting and career development. Moreover, lessons pertaining to social, emotional and fiscal adjustment to post-secondary study and life, as well as the transition into college will be discussed.</p>		

HS Math Department

Grade 9 students **must** enroll in

Axiomatic Geometry OR Axiomatic Geometry Honors* OR Algebra I

Grade 10 students **must** enroll in

Algebra II*with Trigonometry OR Algebra II*with Trigonometry Honors OR Axiomatic Geometry

Students may choose any of the courses below as electives **based on meeting prerequisites.**

Grade 11

Introduction to Statistics

AP Statistics*

Precalculus*

AP Precalculus *

Mini Courses

Math Lab

Data Science

Grade 12

Introduction to Statistics

AP Statistics*

AP Calculus AB*

AP Calculus BC*

Precalculus*

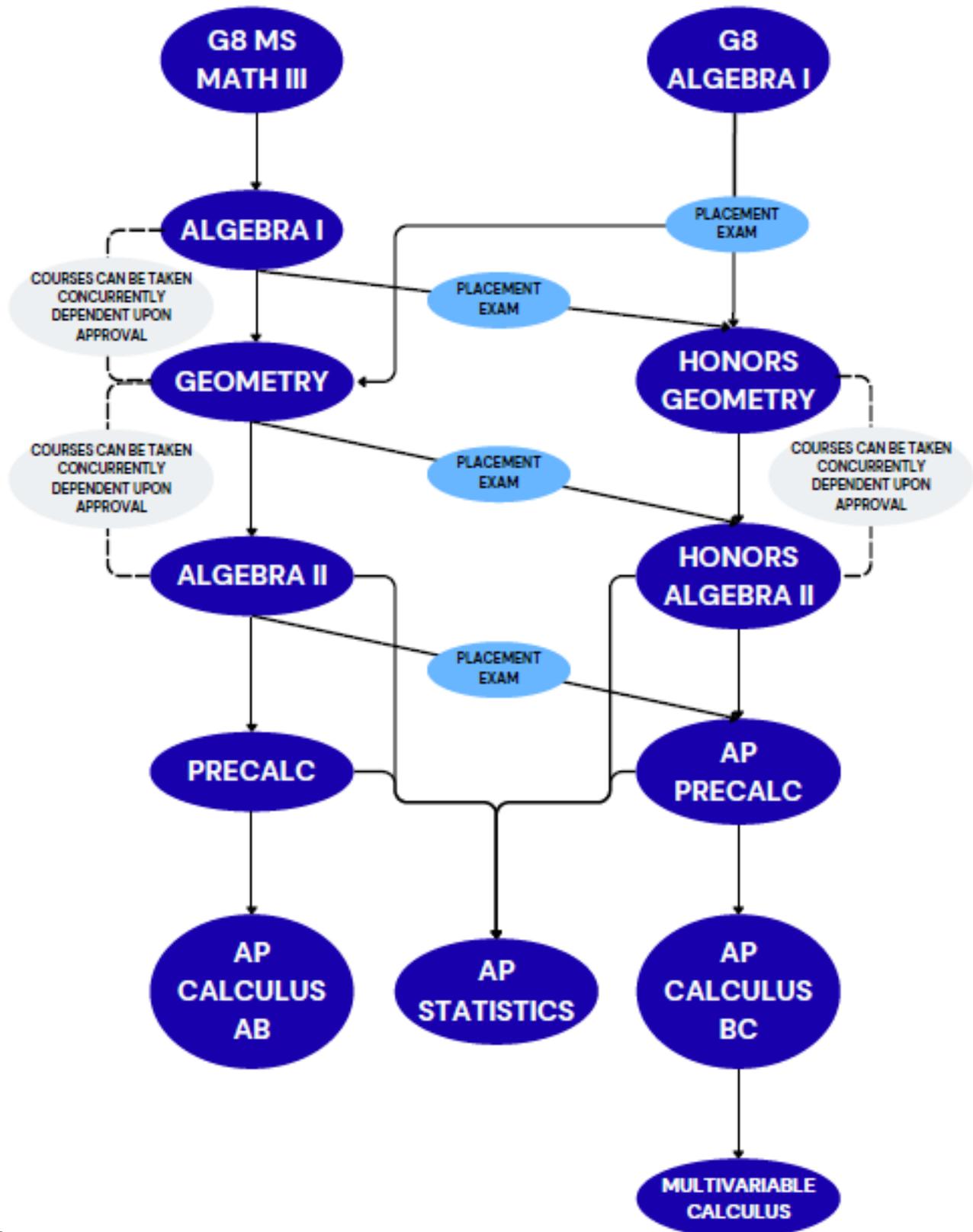
AP Precalculus *

Multivariable Calculus*

*Students are required to meet prerequisites.

Please refer to the SMIC Math Pathways for more details.

SMIC Math Pathways



Note:

This table is for reference only. Please contact the Math Department Head for more clarifications.

Mathematics Department Courses

Course Code	Course Name	Credit	HW Load
MATH 0905	Algebra I	1	**
MATH 0910	Axiomatic Geometry	1	**
MATH 0925	Axiomatic Geometry Honors	1	***
MATH 1010	Algebra II	1	**
MATH 1025	Algebra II Honors	1	***
MATH 1110	PreCalculus	1	**
MATH 1125	AP PreCalculus	1	***
MATH 1210	AP Calculus AB: Calculus of One Variable I	1	***
MATH 1220	AP Calculus BC: Calculus of One Variable II	1	***
MATH 1230	AP Statistics	1	***
MATH 1240	Introduction to Statistics	1	**
MATH 1205	Multivariable Calculus	1	**
MATH 3310	Math Lab	0.5	*
MATH 3320	Data Science	0.5	*

The mathematics program aims to prepare all students to use mathematics and problem-solving skills in further education by mastering computational and estimating skills, problem-solving, communicating and reasoning mathematically, applying mathematics to real-world situations, and using technology.

All the courses aim to develop mathematical skills in students by coherent progression, pursuing fluency in procedural skills, and understanding concepts. Teachers use all the eight Standards of Mathematical Practices as defined by Common Core Standards in all the courses.

All students use graphing calculators starting with Algebra II with Trig. All students are required to attain 3 credits in mathematics (however, 4 credits are recommended) from the following course: Algebra I, Axiomatic Geometry, Algebra II with Trig, Precalculus or AP Precalculus, Introduction to Statistics, AP Calculus AB or BC, and AP Statistics.

MATH 0905	Algebra I	HW Load: **
<i>Prerequisite:</i>	<i>None</i>	1 Credit
<p>Algebra I is designed to extend students' knowledge of Algebra. It will cover Algebra I Common Core Standards. The critical area includes understanding of Linear models, equation solving, and functions. Students will apply all the Mathematical Practice Standards throughout the course. For more details regarding the integrated approach of studying mathematics please refer to http://www.corestandards.org/assets/CCSSI_Mathematics_Appendix_A.pdf.</p>		

MATH 0910	Axiomatic Geometry	HW Load: **
<i>Prerequisite:</i>	<p><i>Successful completion of MATH 0820 OR MATH 0905.</i></p> <p><i>For dual enrollment in MATH 0905 and MATH 0910 in Grade 10:</i></p> <p><i>Successful completion of MATH 811 with an A- and above with Teacher Recommendation AND passing score in entrance exam.</i></p> <p><i>For dual enrollment in MATH 0910 and MATH 1010 in Grade 10:</i></p> <p><i>Successful completion of Math 0905 with an A- or above with Teacher Recommendation.</i></p>	1 Credit
<p>Geometry is a unified study of plane, solid, and coordinate geometric concepts which provide students with the prerequisite skills that will facilitate the study of advanced mathematics. The course incorporates investigation of lines, planes, congruencies, similarities, geometric inequalities, parallelism, perpendicularity, polygons, areas, volumes, circles, and three-dimensional figures to provide a complete course of study. Students develop skills in formal and informal deductive reasoning skills and learn to apply them to the construction of formal proofs. Throughout the year, students will incorporate algebraic thinking into new geometric concepts.</p>		

MATH 0925	Axiomatic Geometry Honors	HW Load: ***
<i>Prerequisite</i>	<p><i>The grade achieved in MATH 0820 AND score on entrance test AND MAP scores will all be considered for placement AND Teacher Recommendation.</i></p>	1 Credit
<p>Accelerated Geometry is a unified study of planes, solid, and coordinate geometric concepts which provide students with the prerequisite skills that will facilitate the study of advanced mathematics. The course incorporates the investigation of lines, planes, congruencies, similarities, geometric inequalities, parallelism, perpendicularity, polygons, areas, volumes, circles, and three-dimensional figures to provide a complete course of study. Students develop formal and informal deductive reasoning skills and learn to apply them to the construction of formal proof. This is an accelerated course that proceeds at a brisk pace and covers material at an advanced level.</p>		

MATH 1010	Algebra II	HW Load: **
<i>Prerequisite:</i>	<p><i>Successful completion of [MATH 0820 AND (EITHER MATH 0910 OR MATH 0925)] OR (MATH 0905 and MATH 0910)</i></p> <p><i>For dual enrollment in MATH 0910 and MATH 1010 in Grade 10:</i></p> <p><i>Successful completion of Math 0905 with an A- or above with Teacher Recommendation.</i></p>	1 Credit
<p>Continuing the study of algebraic equations, verbal problems, graphing, and other topics treated in Algebra I, this course introduces and develops new topics including linear programming, complex numbers, fundamental concepts of analysis, logarithmic and exponential equations, and analysis of conic sections, sequences, and series. In addition, there will be some topics in probability and statistics as time allows. Students use graphing calculators as a tool to assist in problem solving and to enhance understanding.</p>		

MATH 1025	Algebra II Honors	HW Load: ***
<i>Prerequisite:</i>	<p><i>For incoming grade 10 - Successful completion of MATH 0925 with B or above OR qualifying score on entrance exam.</i></p> <p><i>For incoming grade 9 - The grade achieved in MATH0821 AND score on entrance test AND MAP scores will all be considered for placement AND Teacher Recommendation.</i></p>	1 Credit

This course continues the study of algebraic equations, verbal problems, graphing, and other topics treated in Algebra I. This course introduces and develops new topics including linear programming, complex numbers, fundamental concepts of analysis, logarithmic and exponential equations, and analysis of conic sections, sequences, and series. Course topics in probability and statistics will be included as time allows. Students use graphing calculators to assist in problem solving and to enhance understanding. **This is an accelerated course that proceeds at a brisk pace and covers material at an advanced level.**

MATH 1110	Precalculus	HW Load: **
<i>Prerequisite:</i>	<i>Successful completion of MATH 1025 or MATH 1010 with a B or above</i>	1 Credit
<p>This rigorous course extends concepts of intermediate algebra while introducing various topics of college algebra. Topics include functions, theory of equations, matrices, sequences and series, polar coordinates, parametric equations, exponential and logarithmic functions, and vectors. There is also an extension of topics in trigonometry. This course places an emphasis on practical applications, logic of procedures, and interpretation of results.</p>		

MATH 1125	AP Precalculus	HW Load: ***
<i>Prerequisite:</i>	<i>Successful completion of MATH 1025 with B or above OR qualifying score on entrance exam.</i>	1 Credit
<p>AP Precalculus centers on functions modeling dynamic phenomena. In this course, students study a broad spectrum of function types. Modeling, a central instructional theme for the course, helps students come to a deeper understanding of each function type. By examining scenarios, conditions, and data sets, as well as determining and validating an appropriate function model, students develop a greater comprehension of the nature and behavior of the function itself. The formal study of a function type through multiple representations (e.g., graphical, numerical, verbal, analytical), coupled with the application of the function type to a variety of contexts, provides students with a rich study of precalculus. Throughout this course, students develop and hone symbolic manipulation skills needed for future mathematics courses. Students also learn that functions and their compositions, inverses, and transformations are understood through graphical, numerical, verbal, and analytical representations, which reveal different attributes of the functions and are useful for solving problems in mathematical and applied contexts. AP Precalculus fosters the development of a deep conceptual understanding of functions. As a result of examining functions from many perspectives, students develop a conceptual understanding not only of specific function types but also of functions in general. This type of understanding helps students to engage with both familiar and novel contexts.</p> <p><i>Students who enroll in this course are expected to take the AP exam in May.</i></p>		

MATH 1210	AP Calculus AB: Calculus of One Variable I	HW Load: ***
<i>Prerequisite:</i>	<i>Successful completion of MATH 1110 with B or above OR MATH 1125 OR Teacher Recommendation</i>	1 Credit

Advanced Placement Calculus AB explores the topics of limits/continuity, derivatives, and integrals. These ideas are examined using a multi-layered approach including the verbal, numerical, analytical, and graphical analysis of polynomial, rational, trigonometric, exponential, and logarithmic functions and their inverses. Students are expected to relate the connections among these approaches. Students are also required to synthesize knowledge of the topics of the course to solve applications that model physical, social and/or economic situations. These applications should emphasize derivatives as rates of change, local linear approximations, optimizations and curve analysis, and integrals as Riemann sums, area of regions, volume of solids with known cross sections, average value of functions, and rectilinear motions. The teacher will adjust the course as mandated by the College Board. Graphing calculators are required.

Students who enroll in this course are expected to take the AP exam in May.

MATH 1220	AP Calculus BC: Calculus of One Variable II	HW Load: ***
<i>Prerequisite:</i>	<i>Successful completion of MATH 1125 with B or above OR Teacher Recommendation</i>	1 Credit

Advanced Placement BC Calculus is intended for students who have a thorough knowledge of analytic geometry and elementary functions in addition to college preparatory algebra, geometry, and trigonometry. Although this course includes all of the elements of the Advanced Placement Calculus AB course, it provides a more rigorous treatment of these introductory calculus topics. The course also includes additional topics required by the College Board for Advanced Placement Calculus BC. Among these are parametric, polar, and vector functions; the rigorous definition of limit; advanced integration techniques; Simpson's Rule; length of curves; improper integrals; Hooke's Law; and the study of sequences and series. Students will use the graphing calculator during instruction and to confirm and interpret results of problem situations that are solved using available technology.

Students who enroll in this course are expected to take the AP exam in May. A corresponding AB sub-score will be provided to all students taking the AP Calculus BC exam.

MATH 1230	AP Statistics: Drawing Conclusions from Data	HW Load: ***
<i>Prerequisite:</i>	<i>Successful completion of MATH 1010 with B or above OR MATH 1025 with B- or above OR successful completion of Math 1110 or Math 1125. Preference will be given to students who have enrolled for Precalculus or have already completed Precalculus course.</i>	1 Credit

Advanced Placement Statistics prepares students to collect data from the random and varied world they live in and to find, analyze and describe patterns in that data. Topics covered include correlation, regression, experiment design, survey design, basic probability, confidence intervals and significance testing. Communication of data and conclusions drawn from it is an integral part of this course; group discussions and analytical writing assignments will be used extensively. The course uses a wide variety of learning resources and teaches proficiency in the use of TI calculators and computer spreadsheets for statistical applications.

Students who enroll in this course are expected to take the AP exam in May.

MATH 1240	Introduction to Statistics	HW Load: ***
<i>Prerequisite:</i>	<i>Successful completion of MATH 1010 or above. This course is only open to Grade 11 or Grade 12 students.</i>	1 Credit
<p>Elementary Statistics is intended for students who wish to acquire the knowledge of statistical ideas and terminology. Skills developed through this course are useful to support their studies in other subjects as well as to a myriad of real-life applications. The course provides a suitable foundation for further study in Statistics. Topics covered include pictorial representation of data, measures of central tendency, lines of best fit, simple probability, and expectation of a discrete variable. Students will be guided on the use of TI graphing calculators where appropriate.</p>		

MATH 1205	Multivariable Calculus	HW Load: ***
<i>Prerequisite:</i>	<i>Successful completion of MATH 1220 with a B or above</i>	1 Credit
<p>Multivariable Calculus extends single-variable calculus to functions of several variables, emphasizing geometric interpretation, partial derivatives, multiple integrals, and vector calculus. Students explore applications to physical systems, optimization, and fields such as physics, engineering, and economics, developing both computational fluency and conceptual understanding.</p>		

MATH 3310	Math Lab	HW Load: *
<i>Prerequisite:</i>	<i>None</i>	0.5 Credit
<p>Math Lab is a support and enrichment course designed to strengthen students' mathematical thinking, problem-solving strategies, and conceptual understanding. Through targeted practice, guided inquiry, and individualized feedback, students reinforce core skills while developing confidence, persistence, and effective learning habits in mathematics.</p>		

MATH 3320	Data Science	HW Load: *
<i>Prerequisite:</i>	<i>Successful completion of MATH1230</i>	0.5 Credit
<p>Data Science introduces students to the process of extracting insight from data through statistical reasoning, computational tools, and critical inquiry. Students engage in the full data cycle—question formulation, data collection, analysis, modeling, and communication—while learning to evaluate uncertainty, assumptions, and ethical implications of data-driven conclusions.</p>		

Physical Education

Grade 9 students **must** enroll in

Grade 9 Physical Education AND Principles of Personal Health **

Grade 10 students **must** enroll in

Grade 10 Physical Education AND Principles of Personal Health (if not taken in G9) **

Elective

**Introduction to
Kinesiology******

Elective Mini course

**Strength and
Conditioning*****

Sports and Exercise Science***

** Meets twice a week but is required credit for graduation.

***Meets twice a week; not required for graduation.

**** Considered as Science credit

Physical Education Department Courses

Course Code	Course Name	Credit	HW Load
PHED 0920	Principles of Personal Health	0.5	*
PHED 0911	Grade 9 Physical Education	0.5	*
PHED 1012	Grade 10 Physical Education	0.5	*
PHED 1130	Strength & Conditioning (Mini course)	0.5	*
PHED 4430	Introduction to Kinesiology	1	**
PHED 1131	Sports and Exercise Science (Mini Course)	0.5	*

The SMIC-I MHS Physical Education Department curriculum is designed to develop healthy individuals and encourage a life-long appreciation of maintaining a healthy lifestyle. The primary goals of the program include teaching students the principles, knowledge, skills, and importance of physical activity, health, fitness, and nutrition in all stages of life including the current, and the future.

The High School curriculum focuses on developing a concrete model of health and fitness that students can employ throughout the remainder of their lives to maintain a healthy lifestyle.

The PE curriculum utilizes various methods to encourage the students to develop a sense of inclusion so that everyone feels comfortable performing physical activity together and promoting an environment where all students have a sense of safety. Proper stretching routines and techniques are integrated with warm up exercises to emphasize injury prevention. Fitness lessons are interspersed throughout the year.

The students of SMIC-I will complete a PE course from Grade 6 until Grade 10 as part of their MHS coursework, with the option to further their study in electives in Grade 11 and 12. Upon completing of the PE course in Grade 10, students will be college/career-ready, as demonstrated by the ability to plan and implement different types of personal fitness programs; demonstrate competency in two or more lifetime activities; describe key concepts associated with successful participation in physical activity; model responsible behavior while engaged in physical activity; and engage in physical activities that meet the need for self- expression, challenge, social interaction, and enjoyment.

PHED 0920	Principles of Personal Health	HW Load: *
<i>Prerequisite:</i>	<i>None</i>	0.5 Credit
<p><i>Meets 2 days per week</i></p> <p>Upon the successful completion of this course, students will be able to understand the functioning of their body and the importance of making wise decisions to protect their health and well-being. The foundation of a healthy teenager is the knowledge that their health is in their hands and is based upon their day-to-day decisions. Students will be able to base present and future decisions, on topics such as drugs, alcohol, sexual relationships, diet, destructive behavior and problem solving. Students will understand that health and well-being are a choice that can affect important areas of your social, emotional, and physical relationships.</p>		

PHED 0911	Grade 9 Physical Education	HW Load: *
<i>Prerequisite:</i>	<i>None</i>	0.5 Credit
<p>The Grade 9 Physical Education course is designed to lay a strong foundation of knowledge and skills, equipping students with the essential tools to make informed choices about their physical health and well-being. Students will receive exposure to various types of physical activities such as sporting codes, dance, lifetime activities, and fitness activities. Students will work towards demonstrating competency in at least one self-selected physical activity. Students will be exposed to skill-related physical activities and identify key health concepts associated with participating in self-selected skill-related physical activities. Students will be introduced to health & fitness training programs and goal setting techniques as they identify key concepts associated with successful participation in a selected physical activity. Students will develop a plan to improve performance of self-selected skills within physical activity. Students will also be exposed to advanced methods of health & fitness training such as various personal health/fitness plans. They will identify key concepts and principles within select health/fitness plans as well as develop and implement fundamental personal health/fitness plans.</p>		

PHED 1012	Grade 10 Physical Education	HW Load: *
<i>Prerequisite:</i>	<i>None</i>	0.5 Credit
<p>G10 PE builds from the foundation built during G9. Students will begin by focusing on physical activity participation and applying basic training techniques to self-selected physical activities such as sporting codes, dance, lifetime activities, and fitness activities. Students will then be exposed to group training and planning a group fitness workout pertaining to a self-selected activity such as dance, lifetime activities, and fitness activities. Students will then take the knowledge and skills learned to develop and apply individualized plans to achieve a goal they set based upon a self-selected physical activity. Students will finish grade 10 by implementing fitness programming & design skills to train others as well as themselves to live a healthy and physically active lifestyle that is unique to their interests and stage of life.</p>		

PHED 1130	Strength & Conditioning (Mini course)	HW Load: *
<i>Prerequisite:</i>	<i>None</i>	0.5 Credit
<p><i>Note: This course meets twice per week in lieu of Study Hall.</i></p> <p>This course will focus on muscular strength and endurance through resistance training with fitness machines and free weights. Safe and effective resistance training principles for muscular strength and endurance are emphasized.</p> <p><i>This course does not count towards the completion of the school's PE or health requirement for graduation</i></p>		

PHED 4430	Introduction to Kinesiology	HW Load: **
<i>Prerequisite:</i>	<i>Pass PHED 0920</i>	1 Credit
<p>This Introduction to Kinesiology course will examine the scientific principles of exercise and nutrition while incorporating real-world applications that demonstrate relevance to your daily life as well as future career. The course builds fundamental scientific principles by integrating the necessary basic science with applied concepts of exercise, nutrition and health and wellness principles. This course provides an experimental study of foods, exercise, and the fundamental biological, chemical, and physical scientific principles associated with the study of the human body. Topics will include human anatomy, physiology, biomechanics, traumatology, nutrition, exercise and food planning, and general health and wellness.</p> <p><i>This course can be used to meet the school's <u>science</u> requirements for graduation.</i></p> <p><i>GAP students would need a recommendation from the department head to take this course.</i></p>		

PHED 1131	Sports and Exercise Science (Mini course)	HW Load: *
<i>Prerequisite:</i>	<i>None</i>	0.5 Credit
<p><i>Note: This course meets twice per week in lieu of Study Hall.</i></p> <p>This course would allow students to explore the scientific study of human physiology, biomechanics, and psychology, offering both theoretical and practical learning experiences.</p> <p>The course will focus on:</p> <p>Exercise Physiology and Nutrition of the Human Body: Students will gain an understanding of how the body responds to exercise and the importance of nutrition in maintaining peak physical performance.</p> <p>Biomechanics: Students will explore the mechanics of human movement, studying forces and motions that affect athletic performance.</p> <p>Sports Psychology and Motor Learning: This theme covers the mental aspects of sports, including motivation, stress management, and the learning process behind athletic skills.</p> <p>The course will serve as a foundation for students interested in health, sports coaching, physiotherapy, exercise science, and sports psychology.</p> <p><i>This course does not count towards the completion of the school's PE or health requirement for graduation.</i></p>		

HS Science Department

Grade 9 students **must** enroll in

Biology

Grade 10 students **must** enroll in

Chemistry

Students may choose any of the courses below as electives based on meeting prerequisites*

Grade 10

AP Biology

Physics

**Introduction to
Kinesiology****

Grade 11 and 12

Physics

AP Biology

AP Chemistry

AP Physics 1

AP Physics 2

**AP Environmental
Science**

Integrated Science

**Introduction to
Kinesiology****

AP Physics 2

*Students are required to meet prerequisites.

**Course offered by PE department but considered as a science credit.

Science Department Courses

Course Code	Course Name	Credit	HW Load
BIOL 0910	Biology	1	**
CHEM 1010	Chemistry	1	**
PHYS 4410	Physics	1	**
ENVI 4420	AP Environmental Science	1	***
BIOL 4410	AP Biology	1	***
CHEM 4410	AP Chemistry	1	***
PHYS 4420	AP Physics 1	1	***
PHYS 4430	AP Physics 2	1	***
PHYS 4440	AP Physics C (Mechanics and E&M combined)	1	***
SCIE 3310	Integrated Science	1	**
SCIE 3320	Astronomy (Mini Course)	0.5	*

The MHS Science Department offers courses that are based on the principles of scientific inquiry: Observation, hypothesis formation, experimentation, data analysis, and interpretation. All the courses are aligned to the Next Generation Science Standards (NGSS). These standards serve as a basis to design classroom learning experiences that stimulate students' interests in science and prepare them for college, careers, and citizenship.

In high school, students study science in more depth. They may choose from elective science courses to meet the high school science graduation requirements or fulfill coursework for college prerequisites. G11 and G12 students may also take college-level Advanced Placement (AP) courses.

In all courses, students reinforce classroom learning through laboratory experiments and group work as well as individual textbook study. Quizzes, tests, and homework are scheduled regularly. Students are expected to adhere to proper laboratory procedures during laboratory work.

BIOL 0910	Biology	HW Load: **
<i>Prerequisite</i>	<i>None</i>	1 Credit
<p>Biology is a foundational science course designed to provide students with a broad understanding of major biological concepts and processes. Throughout the year, students will explore the interactions between biotic and abiotic factors in ecosystems, the chemical processes within cells—including molecular movement, energy harvesting, and cell reproduction—and the principles of genetics and biotechnology. The course also covers the diversity of life, the classification of organisms, and the ways in which living organisms change over time. Additionally, students will study selected human body systems, such as the immune, endocrine, and nervous systems, to deepen their understanding of cellular processes and their applications in the human body. Through engaging lessons, hands-on activities, and real-world examples, students will develop a strong foundation in biology and an appreciation for the complexity and interconnectedness of living systems. This course prepares students for future science studies and fosters critical thinking and scientific inquiry skills.</p>		

CHEM 1010	Chemistry	HW Load: **
<i>Prerequisite</i>	<i>None</i>	1 Credit
<p>Chemistry introduces basic chemical principles such as the composition, structure, properties, and reactions of matter. Starting with definitions and mathematical techniques essential to the understanding of chemistry, students gain a foundation of knowledge about fundamental particles and the nature of the atom. Students learn to predict atomic behavior and molecular structure based on electronic structure. They also study the behavior of atoms, ions, and molecules through chemical formulas and equations, structure, and nomenclature. This is followed by a more detailed analysis of gases, liquids, and solids.</p>		

PHYS 4410	Physics	HW Load: **
<i>Prerequisite</i>	<i>B or above in MATH 1010 or C or above in MATH 1025; B+ in middle school physical science (physics concepts).</i>	1 Credit
<p>Physics is the study of the behavior and structure of matter and energy. Students build a foundation on the principles of physics and strengthen their understanding of experimental and research methods. The course covers six major areas of physics: mechanics, properties of matter, heat, sound, electricity and magnetism, and light. The course covers atomic and nuclear physics if time permits. The course has a strong mathematical component that includes an introduction to vectors, graphical methods, and the manipulation of equations/dimensional analysis.</p>		

ENVI 4420	AP Environmental Science	HW Load: ***
<i>Prerequisite</i>	<i>Passing score on the AP Environmental Science Entrance Exam And B+ or above in BIOL 0910 (both semesters) and B or above in CHEM 1010 (both semesters) -or- B or above in BIOL 0910 (both semesters) and B+ or above in CHEM 1010 (both semesters) And Recommendation from a Chemistry and/or a Biology teacher</i>	1 Credit
<p>AP Environmental Science class is designed to prepare students for the advanced placement exam. This will be an intensive class focusing on the hard science aspects of the environmental field. A substantial amount of homework and outside reading will be expected in this class. A strong background in biology and chemistry will be needed to quickly grasp all of the information presented in this course.</p> <p>The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them.</p> <p>Environmental science is interdisciplinary; it embraces a wide variety of topics from different areas of study. Yet there are several major unifying constructs, or themes, that cut across the many topics included in the study of environmental science.</p> <p><i>Students who enroll in this course are expected to take the AP exam in May.</i></p>		

BIOL 4410	AP Biology	HW Load: ***
<i>Prerequisite</i>	<i>Passing score on the AP Biology Entrance Exam And maintenance of a B+ in BIOL 0910 (both semesters) and concurrent enrollment in CHEM 1010 – or- Grade of B+ in CHEM 1010 (both semesters) And Recommendation from a Science teacher</i>	1 Credit
<p>Advanced Placement (AP) Biology is a rigorous, college-level course designed to provide students with a deep understanding of biological concepts through both lectures and hands-on laboratory experiences. Organized around four central themes—evolution, energy and homeostasis, information storage and transmission, and biological interactions—the course emphasizes the connections between biological processes rather than isolated facts. Students will engage in extensive lab work, develop critical thinking skills, and apply their knowledge to real-world scenarios. The fast-paced nature of the course requires approximately 5 hours of independent study per week, including reading, homework, and lab preparation. This course is ideal for motivated students who are passionate about biology and prepared to embrace the challenges of a college-level science curriculum.</p> <p><i>Students who enroll in this course are expected to take the AP exam in May.</i></p>		

CHEM 4410	AP Chemistry	HW Load: ***
<i>Prerequisite</i>	<i>Passing score on the AP Chemistry Entrance Exam and maintenance of a A- or above in CHEM 1010 (both semesters) And a B+ or above in MATH 1010 (both semesters) or C or above in MATH 1025 (both semesters) And Recommendation from a Chemistry and a Math teacher</i>	1 Credit
<p>Advanced Placement Chemistry covers the material, both in lecture and laboratory, equivalent to an introductory college course in general chemistry. The course stresses mastering the conceptual and quantitative aspects of chemistry, by enhancing students' qualitative understanding and visualization of the particulate nature of matter through the development of students' inquiry, analytical, and reasoning skills. The course is now organized around a few underlying principles called the six big ideas, which encompass the core scientific principles, theories and processes governing chemical systems. The course has a strong emphasis on concepts and skills and includes inquiry-based learning. The pace of the course requires a typical student to read textbook chapters and independently solve problems approximately five to six hours a week.</p> <p><i>Students who enroll in this course are expected to take the AP exam in May.</i></p>		

PHYS 4420	AP Physics 1	HW Load: ***
<i>Prerequisite</i>	<i>Passing score on the AP Physics 1 Entrance Exam And a B or above in MATH1010 (both semesters) or a C or above in MATH 1025 (both semesters) And Recommendation from Physics and Math teacher</i>	1 Credit
<p>AP Physics 1 and AP Physics 2 are the equivalent of the first and second semesters of an introductory, algebra-based college course. Because these courses are intended to be yearlong courses, teachers have time to foster deeper conceptual understanding through student-centered, inquiry-based instruction and lab activities. Students have time to master foundational physics principles while engaging in science practices to earn credit or placement. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power, as well as simple harmonic motion and fluids. The course has a strong emphasis on science practices that include scientific questioning and argumentation, mathematical routines, and creating representations. The pace of the course requires a typical student to read textbook chapters and independently solve problems for approximately 5 hours a week.</p> <p><i>Students who enroll in this course are expected to take the AP exam in May.</i></p>		

PHYS 4430	AP Physics 2	HW Load: ***
<i>Prerequisite</i>	<i>A Score of 3 or above on the AP Physics 1 exam Or a passing score on the AP Physics II Entrance Exam and a maintenance of B or above in PHYS 4420 (both semesters) And Recommendation from AP Physics 1 or Physics and Math teacher</i>	1 Credit

AP Physics 1 and AP Physics 2 are the equivalent of the first and second semesters of an introductory, algebra-based college course. Because these courses are intended to be yearlong courses, teachers have time to foster deeper conceptual understanding through student-centered, inquiry-based instruction and lab activities. Students have time to master foundational physics principles while engaging in science practices to earn credit or placement. The course explores topics such as mechanical waves and sound; thermodynamics with kinetic theory; PV diagrams and probability; electrostatics; electrical circuits with capacitors; magnetic fields; electromagnetism; wave properties; physical and geometric optics; and quantum, atomic, and nuclear physics. The course has a strong emphasis on science practices that include scientific questioning and argumentation, mathematical routines, and creating representations. The pace of the course requires a typical student to read textbook chapters and independently solve problems for approximately 5 hours a week.

Students who enroll in this course are expected to take the AP exam in May.

PHYS 4440	AP Physics C	HW Load: ***
<i>Prerequisite</i>	<i>A passing score on the AP Physics C entrance exam And concurrent enrollment in Math 1210 or 1220, And either a maintenance of B or above in PHYS 4420 (both semesters) or concurrent enrollment in PHYS 4430. A recommendation from a physics or math teacher is also required.</i>	1 Credit

AP Physics C: Mechanics and AP Physics C: Electricity and Magnetism are the equivalent of the first and second semesters of an introductory, calculus-based university physics course sequence. Because this combined course includes both AP Physics C: Mechanics and AP Physics C: Electricity and Magnetism, students are expected to keep up with an accelerated pace. The mechanics portion of the course explores topics such as forces and translational dynamics, work and energy, momentum, rotational dynamics and energy, and oscillations. The electricity and magnetism portion of the course explores topics such as electrostatics, electrical circuits with capacitors, magnetic fields, and electromagnetism (including inductance and LRC circuits). The course has a strong emphasis on science practices that include scientific questioning and argumentation, mathematical routines, and creating representations. These will be applied during regular, inquiry-based lab activities. The pace of the course requires a typical student to read textbook chapters and independently solve problems for approximately 5 hours a week.

Students who enroll in this course are expected to take both the AP Physics C: Mechanics and the AP Physics C: Electricity and Magnetism exams (two separate exams) in May.

SCIE 3310	Integrated Science	HW Load: **
<i>Prerequisite</i>	<i>None</i>	1 Credit

The Integrated Science Curriculum is a yearlong curriculum consisting of four science content units aligned to the Next Generation Science Standards (NGSS). This curriculum integrates multiple disciplines within a single unit. As such, each unit integrates different science content areas in Life, Physical, and Earth Science, as well as Engineering.

The units will be centering on student sense-making and problem-solving phenomena, so that the focus of learning shifts away from learning about topics and towards figuring out why or how things happen in the world. This promotes student-generated questioning and thus supports students' agency for wanting to build their own scientific knowledge. As a result, students leave with deeper understandings and a process that can more readily be applied to other real-world phenomena in the future.

SCIE 3320	Astronomy (Mini Course)	HW Load: *
<i>Prerequisite</i>	<i>None</i>	0.5 Credit
<p><i>This course meets twice per week in lieu of Study Hall for the entire school year.</i></p> <p>The students will learn the basics and latest information about telescopes and observation, space exploration, celestial mechanics, the Solar System, the physics of stars, and the large-scale structure of the universe. They will apply spatial thinking, conceptual physics, and a little math to gain a deeper understanding of how the universe works.</p>		

Social Studies Department

Grade 9 students must enroll in

The Early Modern World OR The Early Modern World History Accelerated

Grade 10 students must enroll in

**The Modern World: 1900- Present OR AP Modern World History* OR
The Early Modern World (For GAP)**

Grade 11 students must enroll in

**United States History OR AP United States History * OR
The Modern World: 1900- Present (for GAP)**

Grade 12 GAP students must enroll in

United States History (for GAP)

Students may choose any of the courses below as electives based on meeting prerequisites

Grade 10

AP World History

AP Seminar

**Applied Business and
Entrepreneurship**

Grade 11 and 12

AP US History

AP European History

AP Seminar

AP Research

AP Economics

AP Psychology

**Applied Business
and
Entrepreneurship**

*Students are required to meet prerequisites.

Social Studies Department Courses

Course Code	Course Name	Credits	HW Load
HIST 0910	The Early Modern World	1	**
HIST 0915	The Early Modern World Accelerated	1	***
HIST 1005	The Early Modern World (for GAP)	1	**
HIST 1010	The Modern World: 1900-Present	1	**
HIST 1025	AP World History	1	***
HIST 1105	The Modern World: 1900-Present (for GAP)	1	**
HIST 1110	United States History	1	**
HIST 1120	AP United States History	1	***
HIST 1205	United States History (for GAP)	1	**
HIST 4410	AP European History	1	***
ECON 1210	AP Economics	1	***
SEMI 1120	AP Seminar	1	***
RESE 1220	AP Research	1	***
PSYC 4410	AP Psychology	1	***
BUSI 4420	Applied Business and Entrepreneurship	1	**

The core of the Social Studies program is four years of history beginning in the 8th grade and a wide range of AP courses to prepare students to be successful in their further studies and careers after graduation. All courses include the study of geography, politics, economics and other social sciences as relevant.

Scholarly research and writing using proper analysis, citation, and mechanics are integral to all our courses, with age-appropriate assignments that require students to distinguish their own work from that of others and to differentiate genuine academic scholarship from unsubstantiated commentaries.

Social Studies Accelerated and Advanced Placement Course Prerequisite Policy:

In order for a student to take an Accelerated or Advanced Placement course in the social sciences, the student must submit the “Social Studies Course Enrollment Student Reference Form” from the AA office with the following:

1. The student’s grades in the Social Studies and English classes that they are currently enrolled in.
2. Their PSAT scores or MAP test scores.
3. A recommendation form from their current social studies teacher.

All criteria will be taken into account when determining who will be eligible for seats in the class. In some cases, priority will be given to seniors over lower classmen.

HIST 0910	The Early Modern World	HW Load: **
<i>Prerequisite:</i>	<i>None</i>	1 Credit
<p>Early Modern World (Regular) explores global change from 1400 to 1900 and examines how economic, political, and social transformations reshaped societies around the world. This course prioritizes historical thinking skills, academic language development, and foundational writing instruction. Students receive explicit, scaffolded instruction in reading historical texts, identifying main ideas, tracing cause-and-effect relationships, and organizing evidence into coherent explanations. Writing tasks emphasize paragraph construction, clear topic sentences, use of evidence, and basic analytical structure before progressing to full essays. Students also participate in the National History Day research process with additional guidance and support developing skills in historical inquiry, source evaluation, and argumentation. Early Modern World (Regular) prepares students for continued success in high school history by strengthening the core skills needed for more advanced coursework.</p>		

HIST 09	The Early Modern World- Accelerated	HW Load: ***
<i>Prerequisite:</i>	<i>Social Studies Advanced Placement/Accelerated Course Prerequisite</i>	1 Credit
<p>Early Modern World (Accelerated) is a rigorous history course that examines global transformations from approximately 1400 to 1900. Using a comparative and analytical framework, students investigate why the global balance of power shifted toward Europe during the early modern period and why globalization affected societies unevenly. Students regularly practice thesis development, cause-and-effect reasoning, comparative analysis, and the use of specific historical evidence to construct sustained written arguments. Readings are analytically demanding and require students to synthesize information across time periods and regions. Writing instruction focuses on analytical essays modeled on AP-style Long Essay Questions (LEQs), with attention to historical reasoning, organization, and precision of language. Students also complete a year-long National History Day (NHD) research project, developing skills in historical inquiry, source evaluation, and argumentation.</p>		

HIST 1005	The Early Modern World (for GAP)	HW Load: **
<i>Prerequisite:</i>	<i>None</i>	1 Credit
<p>In this class we embark on a captivating journey through specific epochs, regions, and theories that have woven the intricate fabric of human history. In this immersive 10th-grade course, students will dive deep into key periods, analyzing historical theories to gain a nuanced understanding of how societies evolved and revolutions reshaped the world. Starting with the ancient world of Mesopotamia and extending to the enduring impact of revolutions, students will unravel the complex threads that have shaped our present.</p>		

HIST 1010	The Modern World: 1900 - Present	HW Load: **
<i>Prerequisite:</i>	<i>None</i>	1 Credit
<p>This course examines the political, economic, social, and cultural development of the world from turn-of-the-century imperialism to present day globalization. Students will investigate the causes and lingering consequences of World War I, the Russian and Chinese Revolutions, the rise of totalitarianism, the Great Depression, World War II, the Cold War, and the realignment of the post-Cold War world. Students will work with primary and secondary sources to inspect an array of controversial, and often conflicting, opinions advanced by historians, to develop skills to better assess the impact of these events on their lives today. Class activities will also include individual and group research and multimedia projects, seminar discussions and debates, and field trips. There is a major emphasis on developing strong reading and writing skills specific to argumentation in the social sciences.</p>		

HIST 1025	AP World History: Modern	HW Load: ***
<i>Prerequisite:</i>	<i>Social Studies Advanced Placement/Accelerated Course Prerequisite Policy</i> <i>This course is scheduled for sophomores but is open to other grades, space and schedule permitting.</i>	1 Credit
<p>This course follows the guidelines of the Advanced Placement curriculum, providing students with a big picture approach to the study of World History from 1250 to the present. Themes to be explored include interaction between humans and the environment; development and interaction of cultures; state building, expansion, and conflict; creation, expansion, expansion, and interaction of economic systems; and development and transformation of social structures. Sophisticated research, essay writing, and primary and secondary source analysis skills receive a sustained focus throughout our exploration of each theme to replicate the process employed by trained historians. Extensive reading and meaningful academic discussions are requisites for success in AP World History: Modern. Students who enroll in this course should expect significantly greater challenges in their homework assignments and an increased workload.</p> <p><i>Students who enroll in this course are expected to take the AP exam in May.</i></p>		

HIST 1105	The Modern World: 1900 – Present (for GAP)	HW Load: **
<i>Prerequisite:</i>	<i>None</i>	1 Credit
<p>In this class we will concentrate on the time periods from 1750s to the Modern era. We will focus on building connections from historical events and analyzing how they fit into the bigger picture of history. This class will embark on a profound exploration of the industrialization era, delving deeply into its intricate layers while meticulously tracing its enduring implications across the canvas of modern history. Our focal point will be the Cold War and its lasting significance. Students will be nurtured to embrace critical thinking and analytical skills, fostering a receptive mindset as they immerse themselves in the intricate tapestry of world history.</p>		

HIST 1110	United States History	HW Load: **
<i>Prerequisite:</i>	<i>None</i>	1 Credit
<p>This course provides students with a solid grounding in the history of the United States from the first exploration to the present. Special attention is given to the development of US history focusing on the role of government, the effects of industrialization, and the importance of economics in the development of the nation. This course also focuses on the importance of social history, particularly the contributions of Native Americans, African Americans, and immigrants to the New World. This course introduces students to advanced research skills and includes discussions of current events.</p>		

HIST 1120	AP United States History	HW Load: ***
<i>Prerequisite:</i>	<i>Social Studies Advanced Placement/Accelerated Course Prerequisite Policy</i> <i>This course is scheduled for juniors but is open to seniors, schedule permitting.</i>	1 Credit

This course follows the guidelines of the Advanced Placement curriculum, providing students with an overview of American History that includes in-depth analysis of primary and secondary source documents to develop a deeper understanding of key themes in American history. Students are expected to read additional materials daily, to write extensive essays and to participate actively in course discussions. Students who enroll in this course should expect significantly greater challenges in their homework assignments and an increased workload.

Students who enroll in this course are expected to take the AP exam in May.

HIST 1205	United States History (for GAP)	HW Load: **
<i>Prerequisite:</i>	<i>None</i>	1 Credit
<p>Students cultivate their understanding of U.S. history from c. 1607 CE to the present through analyzing historical sources and learning to make connections and craft historical arguments. They explore concepts like American and national identity; work, exchange, and technology; geography and the environment; migration and settlement; politics and power; America in the world; American and regional culture; and social structures.</p>		

ECON 1210	AP Economics	HW Load: ***
<i>Prerequisite:</i>	<i>Social Studies Advanced Placement/Accelerated Course Prerequisite Policy</i> <i>This course is scheduled for seniors but is open to juniors, schedule permitting.</i>	1 Credit

Note: This course does not satisfy any part of the three-year history graduation requirement.

AP Economics is the equivalent of a first-year economics course at the college level. It is taught in two parts and prepares students for the AP Microeconomics and AP Macroeconomics exams in May. The primary focus of the first semester is microeconomics, the study of decisions of individual producers and consumers within the larger economic system. It mainly looks at the nature and functions of product markets or markets for goods and services. It also includes the study of factor markets and the role of government in promoting greater efficiency and equity. The second part of the course concerns itself with macroeconomics principles that apply to the economic system as a whole. It mainly focuses on the fundamental determinants of national income and price levels and the government policies used to increase national income and stabilize price levels. It also includes the study of economic growth and international trade. Specific case studies will focus on the economies of China and the United States as well as current issues related to globalization. Students are expected to analyze charts, graphs, and news articles. This is a challenging course that requires students to develop conceptual understanding at a college level pace.

Students who enroll in this course are expected to take both the AP Microeconomics and AP Macroeconomics exams (two separate tests) in May.

HIST 4410	AP European History	HW Load: ***
<i>Prerequisite:</i>	<i>Social Studies Advanced Placement/Accelerated Course Prerequisite Policy</i> <i>Open to juniors and seniors.</i>	1 Credit

Note: This course does not satisfy any part of the three-year history graduation requirement.

AP European History is an introductory college-level European history course. Students cultivate their understanding of European history through analyzing historical sources and learning to make connections and craft historical arguments as they explore concepts like interaction of Europe and the world; economic and commercial developments; cultural and intellectual developments; states and other institutions of power; social organization and development; national and European identity; and technological and scientific innovation.

Students who enroll in this course are expected to take the AP exam in May.

SEMI 1120	AP Seminar	HW Load: ***
<i>Prerequisite:</i>	<i>In person interview with the instructor and a portfolio assessment of two or more student-submitted research exemplars</i>	1 Credit
	<i>This course is scheduled for juniors but is open to seniors and sophomores, schedule permitting.</i>	

AP Seminar provides a select group of students with an opportunity to evaluate and construct sophisticated arguments across various academic disciplines. Students will be trained to enter the academic conversation by closely analyzing, synthesizing, and evaluating scholarly arguments and then contributing their own unique interpretations. The focus of this course includes scholarly research, project management, formal oratory, and academic writing. Student-led class discussions, inquiry-based learning, essay writing, and public speaking are continuously assessed to guide improvement and inform grades. College Board's official AP score is calculated from performance on a Team Multimedia Project and Individual Research Report (20%), an Individual Multimedia Report and Individual Written Argument (35%), and an End of Course exam (45%). Students who successfully pass AP Seminar are expected to take AP Research, the second half of the AP Capstone program. Students who pass AP Seminar, AP Research, and three other AP courses with a 3 or higher are awarded the AP Capstone Diploma.

Students who enroll in this course are expected to take the AP exam in May.

RESE 1220	AP Research	HW Load: ***
<i>Prerequisite:</i>	<i>This course is only open to students who have successfully completed SEMI 1120 AP Seminar.</i>	1 Credit

Note: This course does not satisfy any part of the three-year history graduation requirement.

AP Research, the second course in the AP Capstone experience, allows students to deeply explore an academic problem, issue, or idea of individual interest. Students design, plan, and implement a yearlong investigation to address a research question. Through this inquiry, they further the skills they acquired in the AP Seminar course by learning research methodology, employing ethical research practices, and accessing, analyzing, and synthesizing information. Students reflect on their skill development, document their processes, and curate the artifacts of their scholarly work through a process and reflection portfolio. The course culminates in an academic paper of 4,000-5,000 words (accompanied by a performance, exhibit, or product where applicable) and a presentation with an oral defense.

Students who enroll in this course are expected to take the AP exam in May.

PSYC 4410	AP Psychology	HW Load: ***
<i>Prerequisite:</i>	<i>An A- or above in Grade 10/11 English, a B+ in Grade 10 ACC or AP Comp & Literature, at least a B or above in biology. Open to juniors and seniors only. GAP students: This course is ONLY open to SENIORS, and all applicants must have taken a class in biology. All GAP students should have an A- or higher in English and Social Studies/History during grades 10 and 11.</i>	1 Credit
<p><i>Note: This course does not satisfy any part of the English, History or Science graduation requirement.</i></p> <p>AP Psychology is a full year course that stresses critical thinking, reading, and writing within a scientific context. Students are introduced to the major topics in psychology by studying core concepts and theories and by learning the basic skills of psychological research. The themes of the course include how behavior is often explained by multiple causes, how both heredity and the environment influence individual behavior, how psychology is a discipline with distinctly different points of view, and how the empirical nature of the discipline guides ongoing research. Throughout this course, students will work as individuals and in groups conducting their own psychological research. Students who enroll in this course should expect significantly greater challenges in their homework assignments and an increased workload.</p> <p><i>Students who enroll in this course are expected to take the AP exam in May.</i></p>		

BUSI 4420	Applied Business and Entrepreneurship	HW Load: **
<i>Prerequisite:</i>	<i>None This course is open to sophomores, juniors and seniors, schedule permitting.</i>	1 Credit
<p>During the Applied Business and Entrepreneurship Course, students will construct a business plan and operate a mock business to develop introductory skills in Marketing, Operations Management, Finance, Accounting, and Human Resources Management. The course's goal is to help students better understand how businesses operate in various contexts.</p>		

HIST	Historical Research and Analysis (Mini-Course)	HW Load: *
<i>Prerequisite:</i>	<i>None</i>	0.5 Credit
<p>This course is designed for students seeking to strengthen their historical thinking and research skills, whether they need additional support or wish to take their abilities to a more advanced level. Emphasizing critical thinking and effective argumentation, students will learn how to identify reliable sources, analyze primary and secondary materials, and craft strong historical arguments. Assignments will include research exercises, peer reviews, and source analysis, emphasizing the ability to construct well-supported historical arguments. This course provides valuable skills that students can transfer to their work in other classes, ensuring they become more effective researchers, critical thinkers, and analytical writers.</p> <p>By the end of the course, students will be proficient in research techniques and ready to produce high-quality projects and papers that showcase their historical inquiry.</p> <p>This course meets two days per week for the entire school year.</p>		

HS Technology Department

Students may choose any of the courses below as electives based on meeting prerequisites

AP Courses*

AP Computer Science Principles

AP Computer Science A

AP Cybersecurity

Other Elective Courses

Film 1

Introduction to Robotics

Advanced Robotics

Design Technology

Introduction to Computer Science

Yearbook Design

Broadcast Journalism

Mini Courses**

Film 2

Advanced Game Development

One Technology credit required for graduation.

*Students are required to meet prerequisites.

**These classes meet twice per week and are assigned in lieu of Study Hall.

Technology Department Courses

Course Code	Course Name	Credits	HW Load
TECH 3310	Design Technology	1	*
TECH 3355	Film 1	1	*
TECH 3360	Yearbook Design 1	1	**
TECH 3370	Yearbook Design 2	1	**
TECH 3380	Yearbook Design 3	1	**
TECH 3390	Yearbook Design 4	1	**
TECH 3400	Introduction to Robotics	1	*
TECH 3450	Advanced Robotics	1	**
TECH 4420	Broadcast Journalism I	1	*
TECH 4421	Broadcast Journalism II	1	*
TECH 4422	Broadcast Journalism III	1	*
TECH 4423	Broadcast Journalism IV	1	*
COMP 3340	Introduction to Computer Science	1	*
COMP 4410	AP Computer Science A	1	***
COMP 4420	AP Computer Science Principles	1	***
COMP 4430	AP Cybersecurity	1	***
TECH 4435	Film 2 (Mini Course)	0.5	*
TECH 4445	Advanced Game Development (Mini Course)	0.5	*

In an ever-changing technological world, students will leave a digital footprint that impacts themselves and others. It is the goal of the technology department to develop students who are respected digital citizens of a worldwide community by continually exposing students to varied technological innovations and challenges, teaching them to confidently use technology in new and original ways.

This journey begins with fundamental computer courses in middle school which develops each student's technological literacy and proficiency. To fulfill the required high school technology credit, the following courses are offered with varying focuses to give students a wide range of options to explore.

TECH 3310	Design Technology	HW Load: *
<i>Prerequisite:</i>	<i>Students will need access to a laptop capable of installing and</i>	1 Credit
<i>This elective is open to students from grades 9-12 and does <u>not</u> meet the high school arts requirement or the math requirement.</i>		
This elective course is designed for students wanting to study the design process specifically geared towards an engineering or technological perspective. The actual design process will be investigated via hands on exploration applied to specific projects with a tangible product. Included in this course is a comprehensive study of mechanical drawing as well as the use of AutoCAD and 3D printing.		
<i>Materials: Basic mechanical drafting tools (T-square, triangles, compass)</i>		

TECH 3355	Film 1	HW Load: *
<i>Prerequisite</i>	<i>It is highly recommended that students own a digital camera with video recording capability and have access to a laptop with the latest Adobe software.</i>	1 Credit

This elective is open to students from grades 9-12

In this student directed, project-based class, students will research different types of video productions and create original productions focusing on pre-production, production, and post-production activities. Students continuously develop 21st-century skills of collaboration, creative thinking, and communication throughout the course. Students are expected to create authentic video projects which will be showcased throughout the year.

TECH 3360	Yearbook Design 1	HW Load: **
<i>Prerequisite</i>	<i>This elective is open to all students in grades 9-12. It is recommended that students have access to a laptop with Adobe Photoshop and Adobe InDesign.</i>	1 Credit
<p>Students in Yearbook Design 1 take full responsibility for the design, layout, and writing of the English track pages of the school's yearbook. Students learn page design and develop graphic design skills by using Adobe Photoshop and Adobe InDesign. Students choose and apply for a permanent staff position in the beginning of Quarter One. They are expected to plan, draft, and design, complete written and visual compositions to produce yearbook pages on a regular basis. They are expected to be available to photograph school-wide events and to work diligently to meet deadlines. Basically, students will have to make an incredible publication to pass this class.</p> <p><i>The offering of this course depends on student signup and teacher availability.</i></p>		

TECH 3370/80/90	Yearbook Design 2, 3, 4	HW Load: **
<i>Prerequisite</i>	<i>This elective is open to all students in grades 10-12 who have taken Yearbook I. It is recommended that students have access to a laptop with Adobe Photoshop and Adobe InDesign.</i>	1 Credit
<p>This course will build on skills learned in Yearbook I in order to advance students' knowledge of graphic design, photography, and journalism. Students in this course are expected to take on a leadership role in the yearbook production and may apply for one of the following positions: editor-in-chief, photography editor, design/layout specialist, copy editor. Students continuously develop 21st-century skills of collaboration, creative thinking, and communication throughout the course. Students are expected to be available to photograph school-wide events and to work diligently to meet deadlines.</p> <p><i>The offering of this course depends on student signup and teacher availability.</i></p>		

TECH 3400	Introduction to Robotics	HW Load: *
<i>Prerequisite</i>	<i>None</i>	1 Credit
<p>This course is available to students in Grade 9 through 12. During this class students will learn how to code to control mechanical systems. Students will learn to build and code robots with the VEX Robotic EDR kits. This course is suitable for students who have an interest in engineering or coding. Students within this class will have the opportunity to develop robot building skills that will allow them to compete in VEX Robotics Competitions.</p> <p><i>Requirements: A laptop that can be brought to school 5 days a week for in-course lab sessions.</i></p>		

TECH 3450	Advanced Robotics	HW Load: **
<i>Prerequisite</i>	<i>None</i>	1 Credit
<p><i>This elective is open to students from grades 9-12</i></p> <p>This project-based course will introduce students to the construction and programming of their own robotic projects and sensors. This course will cover intensive programming using Python and Java script and it is expected that students will have a good familiarity with computer programming before taking this course.</p> <p><i>Requirements: Students will be expected to purchase their own raspberry pi and various sensors and accessories</i></p>		

TECH 4420/ 4421/4422/4 423	Broadcast Journalism 1/2/3/4	HW Load: *
<i>Prerequisite:</i>	<i>Teacher approval. This elective is open to students from Grades 9-12. Students are required to demonstrate their ability to work professionally, work well with students, and teachers toward production commitments, and fulfill accurate research responsibilities.</i>	1 Credit
<p>Students in Broadcast Journalism I (TECH 4420) will challenge norms, perceptions, and common stereotypes. Topics include fundamentals of newspaper writing; basic elements of news reporting; conducting an interview; the ethical/legal responsibilities of a reporter; website publishing and maintenance; film production. We will find out what is significant to us, our school, and our community, before reporting on it as fairly and objectively as possible. Students will run the SharkScholar.com on either weekly/biweekly basis, depending on the direction of the teacher. Students develop skills in WordPress, investigative reporting, interviewing, review writing, cinematography, video editing, and directing. More importantly, students will be challenged to think critically and objectively about a wide range of issues and then collaborate as a team to produce a paper and news channel that is balanced, stimulating, and relevant to our target readership under the guidance and direction of the course instructor.</p> <p><i>Students may continue this course as they academically progress to each grade level. The offering of this course depends on student signup and teacher availability.</i></p>		

COMP 3340	Introduction to Computer Science	HW Load: *
<i>Prerequisite</i>	<i>None</i>	1 Credit
<p><i>This elective is open to students from grades 9-12.</i></p> <p>This introductory course in computer science uses programming languages such as Java in first semester and java script in second semester as tools to teach fundamental programming concepts. Students will also develop an understanding of the key concepts in computer science. Students will understand how computers store and manipulate information through coding. This course aims to help students develop logical thinking and problem-solving skills. The overall aim of this course is to provide students with a basis for further studies in computer science, or to equip students with an understanding of computer science before they move into their chosen field at university.</p> <p><i>Requirements: A laptop that can be brought to school 5 days a week for in-course lab sessions.</i></p>		

COMP 4410	AP Computer Science A	HW Load: ***
<i>Prerequisite</i>	<i>Passing score on the AP Computer Science A Entrance Exam</i> <i>And: Successful completion of MATH 0910 with at least A- in Geometry or B in Accelerated Geometry OR at least an A- in Computer Programming/Introduction to Computer Science or AP Computer Science Principles.</i> <i>May not be taken simultaneously with AP Computer Science A</i>	1 Credit
<p>AP Computer Science A is the first college-level course in computer science. The course utilizes Java programming to explore the fundamental concepts, constructs, and techniques of modern computer programming, including variables, arrays, conditionals, iteration, references, data structures, debugging, documentation and software engineering. The primary aim of this course is to provide the students with experience in the major aspects of computer science, especially that of computer programming with an object-oriented language.</p> <p><i>Students who enroll in this course are expected to take the AP exam in May.</i></p> <p><i>Requirements: A laptop that can be brought to school 5 days a week for in-course lab sessions.</i></p>		

COMP 4420	AP Computer Science Principles	HW Load: ***
<i>Prerequisite</i>	<i>Passing score on the AP Computer Science Principals Entrance Exam</i> <i>And: Successful completion of MATH 0910 OR: A- or above in Computer Programming/Introduction to Computer Science or AP Computer Science A.</i> <i>Grade 9 students may apply but are required to earn a passing score on the Entrance Exam, successful completion with a B and above in MATH 0811 and a recommendation from their MS Computer Science teacher and G8 Math teacher.</i>	1 Credit
<p>AP Computer Science Principles is an introductory college-level computing course. Students cultivate their understanding of computer science through working with data, collaborating to solve problems, and developing computer programs as they explore concepts like creativity, abstraction, data and information, algorithms, programming, the internet, and the global impact of computing.</p> <p><i>Students who enroll in this course are expected to complete the AP requirements for this course - and take the final AP exam in May.</i></p> <p><i>Requirements: A laptop that can be brought to school 5 days a week for in-course lab sessions.</i></p>		

COMP 4430	AP Cybersecurity	HW Load: ***
<i>Prerequisite</i>	<i>Successful completion of MATH 0910 with at least A- in Geometry or B in Accelerated Geometry OR at least an A- in Computer Programming/Introduction to Computer Science or AP Computer Science Principles.</i>	1 Credit

AP Cybersecurity is an introductory college-level course that teaches students how to protect digital systems, networks, devices, applications, and data. Students explore cybersecurity concepts through hands-on activities, analyzing risks, implementing protections, detecting attacks, and collaborating to solve problems. The course emphasizes real-world applications and the impact of cybersecurity in society, including ethical considerations and the responsible use of AI.

Students who enroll in this course are expected to complete all AP Cybersecurity requirements and take the AP exam in May.

Students who enroll in this course are expected to complete the AP requirements for this course - and take the final AP exam in May.

Requirements: A laptop that can be brought to school 5 days a week for in-course lab sessions.

TECH 4435	Film 2 (Mini Course)	HW Load: *
<i>Prerequisite</i>	<i>This elective is open to students from grades 9-12 who have taken Film 1. It is highly recommended that students own a digital camera with video recording capability and have access to a laptop with the latest Adobe software.</i>	0.5 Credit
<p>In this student-directed, project-based class, students will build upon their existing knowledge of filmmaking to develop into a well-rounded filmmaker. Since this is a project-based class students need to be independent workers, and passionate about filmmaking. Students are expected to create multiple short films both in groups and individually.</p> <p>This course meets two days per week for the entire school year.</p>		

TECH 4445	Advanced Game Development (Mini Course)	HW Load: *
<i>Prerequisite</i>	<i>This elective is open to students from grades 9-12 who have taken a previous course in computer science.</i>	0.5 Credit
<p>The Advanced Game Development course aims to provide students with an immersive and practical introduction to game development using the Godot Game Engine. Godot is a free and open-source platform that supports the creation of 2D, 3D, and VR (virtual reality) games. This course will blend programming, design, and creative thinking, equipping students with skills highly relevant to the tech industry and beyond.</p> <p>This course meets two days per week for the entire school year.</p>		

Visual and Performing Arts (VAPA)

Students may choose any of the courses below as electives based on meeting prerequisites.

Art Courses

AP Art and Design*

AP Art History*

Art and Creativity

Three-Dimensional Art

Textile and Fiber Arts

Media Arts

Theater Mini Courses**

Theater Arts

Music -Mini Courses**

Chamber Orchestra

Vocal Band

One Art credit required for graduation.

*Students are required to meet prerequisites.

**These classes meet twice per week and are assigned in lieu of Study Hall.

Visual and Performing Arts (VAPA) Department Courses:

Course Code	Course Name	Credit	HW Load
ARTS 3310	Art & Creativity	1	**
ARTS 3340	Three-Dimensional Art	1	**
ARTS 3360	Textile & Fiber Arts	1	**
ARTS 3350	Media Arts	1	**
ARTS 4420	AP Art and Design	1	***
ARTS 4430	AP Art History	1	***
MUSC 4432	Chamber Orchestra	0.5	*
MUSC 4441	Vocal Band	0.5	*
THEA 4434	Theater Arts (Mini Course)	0.5	*

The Arts Requirement

Art and Music education at SMIC-I High School is compulsory for all students from G9 to G12, students must complete one credit of VAPA electives. Students interested in Arts/Music may continue with additional VAPA courses as electives. The SMIC Private School International Division's goal is for students to experience contemporary trends in art theory and practice to enhance their engagement and experience in arts.

Visual Arts

Art is a universal language that reflects and shapes cultures and individuals. Regardless of the field our students aspire to pursue, visual arts play a significant role in developing skills that are necessary for success in the 21st century. Students participate in hands-on, design-based opportunities that encourage them to explore their creativity. The art curriculum at SMIC-I seeks to develop critical thinking skills and provides ways for students to communicate through producing meaningful works of art. Students use the artistic approach as a tool to express their ideas, opinions, and discover more about themselves. To improve their visual literacy, students learn to read and analyze the art and visual imagery that surround them. All students enrolled in visual arts courses are expected to participate in school-wide art exhibitions during the spring semester.

Performing Arts

Every culture enjoys listening to music and appreciates performing arts, but it's only recently that educators have realized the life-long benefits of performing arts education in student lives. This art unlocks the creative potential of the human mind, paving the pathway to educational excellence and catapults human thinking to a new level of understanding. At SMIC-I, performing arts is considered as important as the other disciplines and is an integral part of our academic program. It provides opportunities for students to explore and learn, supports imagination, appreciation and sensitivity and encourages them to achieve new horizons, adding another dimension to the student's life. SMIC-I has a comprehensive performing arts program for all students, offering courses that range from basic skills to advanced knowledge and understanding. Students are encouraged to participate in various performances throughout the year, that boosts their confidence and brings joy to the performers and the community.

ARTS 3310	Art & Creativity	HW Load: **
<i>Prerequisite</i>	<i>None</i>	1 Credit
<p>This elective is open to students from G9-G12 and meets the high school arts requirement.</p> <p><u>Art and creativity is a course that allows students to develop their own studio practice.</u> Students work in a sketchbook in order to demonstrate process, progress and refining of specific techniques. Variety of media, techniques and subjects are explored - pencil, charcoal, acrylic paint, printmaking, colored pencils, collage methods, mixed media, (self-) portrait, still-life, etc. Students continue to look at different artists' methods and historical movements, begin to build their own themes, develop their own sense of artistic style, and practice set exercise in their sketchbook. This course lets students refine established skills, develop new methods of art making, create artworks that are unique and exciting, and build further understanding of artists and their practice.</p>		

ARTS 3340	Three-Dimensional Art	HW Load: **
<i>Prerequisite</i>	<i>None</i>	1 Credit
<p>This elective is open to students from G9-G12 and meets the high school arts requirement.</p> <p>This course is designed as a foundational three-dimensional course to introduce the student to various 3-D media - may include, but not limited to ceramic, clay, metal, fiber, paper, found objects, cardboard, etc. Students will learn 3-dimensional Design Theory, Sculpture methods & techniques, through the development and creation of sculptural artworks. Students choose what the subject matter of their work will be and explore a wide variety of sculpture materials and aesthetic styles that will help them build their technical proficiency and critical thinking skills.</p> <p>Examples of Units covered are Movement & Color, Gesture/Pose, Abstracting the Music (Visually representing sound), Diaorama and Lighting, Found Object Art.</p> <p>Materials: Laptop/iPad, Camera (phone camera is okay) provided by the student.</p>		

ARTS 3360	Textile and Fiber Arts	HW Load: **
<i>Prerequisite</i>	<i>None</i>	1 Credit
<p>This elective is open to students from G9-G12 and meets the high school arts requirement.</p> <p>This elective introduces students to the foundational techniques and global history of textile and fiber arts. Through hands-on, project-based learning, students practice skills such as hand embroidery, weaving, felting, and manikin draping. By examining these techniques within their cultural origins, the course connects craft to a fundamental human drive for creative expression. Designed for both aspiring artists and future fashion designers, the curriculum emphasizes practical application and creative development. Students build a foundational skillset by working individually and collaboratively to refine artistic ideas and self-expression, providing a critical starting point for those considering careers in fashion and design.</p> <p>Materials: Laptop/iPad, Camera (phone camera is okay) provided by the student.</p>		

ARTS 3350	Media Arts	HW Load: **
<i>Prerequisite</i>	<i>Students must own a digital camera, DSLR, <u>or</u> high-quality camera phone. All camera phones must be approved by the instructor. It is recommended that students have access to a laptop with Adobe Photoshop and Illustrator.</i>	1 Credit
<p>This elective is open to students from G 9-G12 and meets the high school arts requirement.</p> <p>This course is meant to introduce students to a variety of media art forms such as photography, digital illustration, graphic design, film, and animation. This is a hands-on, project-based class where students will combine 2D and digital media as a tool for creativity and self-expression. Students are expected to work independently and collaboratively to refine and develop artistic ideas. Students will learn the basics of photography and how to edit photographs using Adobe Photoshop. They will learn to draw digitally using Adobe Illustrator. Additionally, students will learn to visually communicate ideas and stories through animation and filmmaking. Students are expected to spend time outside of class taking photos, developing ideas in a sketchbook, and demonstrating their creative process.</p>		

ARTS 4420	AP Art and Design	HW Load: ***
<i>Prerequisite</i>	<i>Option 1 - A- or above in ARTS 3310 Art & Creativity, portfolio of student work, teacher's recommendation Option 2 - Portfolio of student works, 1-hour entrance examination (observational drawing), teacher's recommendation, semester 1 grades</i>	1 Credit
<p>This elective is open to students from G10-G12 and meets the high school arts requirement.</p> <p>AP Art and Design is designed for students who are seriously interested in the practical experience of art. The AP Art and Design Program consists of 2-D Art and Design, 3-D Art and Design and Drawing portfolios.</p> <p>AP Art and Design is not based on a written exam; instead, each year thousands of portfolios are submitted in AP Art and Design and are reviewed by college, university, and secondary school art instructors using rigorous standards. This College Board program provides the only US national standard for performance in the visual arts that allows students to earn college credit and/or advanced placement while still in high school. The AP Program is based on the premise that college-level material can be taught successfully to secondary school students. For the latest information about AP Art and Design, visit AP Central (apcentral.collegeboard.com).</p> <p>Materials: Portfolio case with a carrying handle and/or strap (app. 67.5cm length x 48cm height with the transparent inserts around 61cmx45cm); Laptop/iPad; Adobe Photoshop, Procreate or Adobe Fresco on Ipad, Wacom Tablet for PS recommended but not mandatory, digital camera/DSLR, or subcompact DSLR provided by the student.</p>		

ARTS 4430	AP Art History	HW Load: ***
<i>Prerequisite</i>	<i>Grades earned in Social Studies and English classes currently enrolled in. PSAT scores or MAP test scores. A recommendation form from their current social studies teacher.</i>	1 Credit
<p>Note: <i>This course does not satisfy any part of the three-year history of graduation requirements. This elective is open to students from G11-G12.</i></p> <p>AP Art History is an introductory college-level art history course. Students cultivate their understanding of art history through analyzing works of art and placing them in historical context as they explore concepts like culture and cultural interactions, theories and interpretations of art, the impact of materials, processes, and techniques on art and art making, and understanding purpose and audience in art historical analysis.</p> <p><i>Students who enroll in this course are expected to take the AP exam in May.</i></p>		

MUSC 4432	Chamber Orchestra (Mini Course)	HW Load: *
<i>Prerequisite</i>	<i>Three years of instrument study as demonstrated by audition.</i>	0.5 Credit
<p>This elective is open to students from G9-G12 and meets the high school arts requirement.</p> <p>This course helps students gain basic knowledge of music literature. Students are offered a variety of repertoires from baroque to modern music. The students must have studied the instrument for at least three years. Students should be able to differentiate the various styles of interpretation and manage the music piece with the right tempo, articulation, dynamics of breathing, and phrasing. Performances in school and community will be scheduled throughout the year. Students who enroll in this course are required to attend practices and rehearsals according to the schedule provided by the instructor. School performances are mandatory.</p> <p>This course meets two days per week for the entire school year.</p>		

MUSC 4441	Vocal Band (Mini Course)	HW Load: *
<i>Prerequisite</i>	<i>Demonstrated proficiency in guitar, electric guitar, bass guitar, drums, keyboard or vocals via audition.</i>	0.5 Credit
<p>This elective is open to students from G9-G12 and meets the high school arts requirement.</p> <p>This course is designed for mixed voices who enjoy singing and playing instruments as an ensemble. Students will organize themselves to perform as a band with the combination of different instruments, performing songs of different genres ranging from pop rock, country song, R&B, and Hip Hop / Rap. School and community performances will be scheduled throughout the year. Attendance is required at all extra rehearsals, sectionals, and performances as part of the grade for this course. School performances are mandatory.</p> <p>This course meets two days per week for the entire school year.</p>		

THEA 4434	Theater Arts (Mini Course)	HW Load: *
<i>Prerequisite</i>	<i>None</i>	0.5 Credit
<p>This elective is open to students from G9-G12 and meets the high school arts requirement.</p> <p>This mini course introduces students to the fundamentals of theater arts through hands-on, creative exploration. Students will learn the basics of acting, stage movement, voice, improvisation, script work, stagecraft, history of theater, and technical stage work while also gaining an understanding of how live theater is produced and performed.</p> <p>Students enrolled in this course are required to be a part of the school play but are not required to join the Drama Club.</p> <p>This course meets two days per week for the entire school year.</p>		

Mini Courses

Mini courses are taught twice per week and are assigned in lieu of study hall periods. Mini courses are arranged based on availability.

SCIE3320	Astronomy	HW Load: *
<i>Prerequisite:</i>	<i>None</i>	0.5 Elective Credit
<p>This course meets twice per week in lieu of the Study Hall for the entire school year.</p> <p>This elective is open to students from G9-G12 and meets the high school elective requirements.</p> <p>The students will learn the basics and latest information about telescopes and observation, space exploration, celestial mechanics, the Solar system, the physics of stars, and the large-scale structure of the universe. They will apply spatial thinking, conceptual physics and a little math to gain a deeper understanding of how the universe works.</p>		

MATH 3310	Math Lab	HW Load: *
<i>Prerequisite:</i>	<i>None</i>	0.5 Credit
<p>Math Lab is a support and enrichment course designed to strengthen students' mathematical thinking, problem-solving strategies, and conceptual understanding. Through targeted practice, guided inquiry, and individualized feedback, students reinforce core skills while developing confidence, persistence, and effective learning habits in mathematics.</p>		

MATH 3320	Data Science	HW Load: *
<i>Prerequisite:</i>	<i>Successful completion of MATH1230</i>	0.5 Credit
<p>Data Science introduces students to the process of extracting insight from data through statistical reasoning, computational tools, and critical inquiry. Students engage in the full data cycle—question formulation, data collection, analysis, modeling, and communication—while learning to evaluate uncertainty, assumptions, and ethical implications of data-driven conclusions.</p>		

PHED 1130	Strength & Conditioning	HW Load: *
<i>Prerequisite:</i>	<i>None</i>	0.5 Credit
<p><i>This course meets twice per week in lieu of the Study Hall for the entire school year.</i></p> <p>This elective is open to students from G9-G12 and meets the high school elective requirements.</p> <p>This course will focus on muscular strength and endurance through resistance training with fitness machines and free weights. Safe and effective resistance training principles for muscular strength and endurance are emphasized.</p> <p><i>This course does not count towards the completion of the school's PE or health requirement for graduation.</i></p>		

PHED 1131	Sports and Exercise Science (Mini course)	HW Load: *
<i>Prerequisite:</i>	<i>None</i>	0.5 Credit
<p><i>Note: This course meets twice per week in lieu of Study Hall.</i></p> <p>This course would allow students to explore the scientific study of human physiology, biomechanics, and psychology, offering both theoretical and practical learning experiences.</p> <p>The course will focus on:</p> <p>Exercise Physiology and Nutrition of the Human Body: Students will gain an understanding of how the body responds to exercise and the importance of nutrition in maintaining peak physical performance.</p> <p>Biomechanics: Students will explore the mechanics of human movement, studying forces and motions that affect athletic performance.</p> <p>Sports Psychology and Motor Learning: This theme covers the mental aspects of sports, including motivation, stress management, and the learning process behind athletic skills.</p> <p>The course will serve as a foundation for students interested in health, sports coaching, physiotherapy, exercise science, and sports psychology.</p> <p><i>This course does not count towards the completion of the school's PE or health requirement for graduation.</i></p>		

TECH 4435	Film 2	HW Load: *
<i>Prerequisite</i>	<i>This elective is open to students from grades 9-12 who have taken Film 1. It is highly recommended that students own a digital camera with video recording capability and have access to a laptop with the latest Adobe software.</i>	0.5 Credit
<p>This course meets twice per week in lieu of Study Hall for the entire school year.</p> <p>This elective is open to students from G9-G12 and meets the high school technology requirement.</p> <p>In this student-directed, project-based class, students will build upon their existing knowledge of filmmaking to develop into a more well-rounded filmmaker. Since this is a project-based class students need to be independent workers, and passionate about filmmaking. Students are expected to create multiple short films both in groups and individually.</p>		

MUSC 4431	Chamber Orchestra	HW Load: *
<i>Prerequisite</i>	<i>Three years of instrument study as demonstrated by audition.</i>	0.5 Credit
<p><i>This course meets twice per week in lieu of Study Hall for the entire school year.</i></p> <p>This elective is open to students from G9-G12 and meets the high school arts requirements.</p> <p>This course helps students gain basic knowledge in music literature. Students are offered a variety of repertoires from baroque to modern music. The students must have studied the instrument for at least three years. Students should be able to differentiate the various styles of interpretation and manage the music piece with the right tempo, articulation, dynamics of breathing, and phrasing. Performances in school and community will be scheduled throughout the year. Students who enroll in this course are required to attend practices and rehearsals according to the schedule provided by the instructor. School performances are mandatory.</p> <p>This course meets two days per week for the entire school year.</p>		

MUSC 4441	Vocal Band	HW Load: *
<i>Prerequisite</i>	<i>Demonstrated proficiency in guitar, electric guitar, bass guitar, drums, keyboard or vocal via audition.</i>	0.5 Credit
<p><i>This course meets twice per week in lieu of Study Hall for the entire school year.</i></p> <p>This elective is open to students from G9-G12 and meets the high school arts requirements.</p> <p>This course is designed for mixed voices who enjoy singing and playing instruments as an ensemble. Students will organize themselves to perform as a band with the combination of different instruments, performing songs of different genres ranging from pop rock, country song, R & B, and Hip Hop / Rap. School and community performances will be scheduled throughout the year. Attendance is required at all extra rehearsals, sectionals, and performances as part of the grade for this course. School performances are mandatory.</p> <p>This course meets two days per week for the entire school year.</p>		

THEA 4434	Theater Arts (Mini Course)	HW Load: *
<i>Prerequisite</i>	<i>None</i>	0.5 Credit
<p>This elective is open to students from G9-G12 and meets the high school arts requirement.</p> <p>This mini course introduces students to the fundamentals of theater arts through hands-on, creative exploration. Students will learn the basics of acting, stage movement, voice, improvisation, script work, stagecraft, history of theater, and technical stage work while also gaining an understanding of how live theater is produced and performed.</p> <p>Students enrolled in this course will be required to be a part of the school play but are not required to join the Drama Club.</p> <p>This course meets two days per week for the entire school year.</p>		

HIST 1115	Historical Research and Analysis	HW Load: *
<i>Prerequisite:</i>	<i>None</i>	0.5 Credit
<p>This course is designed for students seeking to strengthen their historical thinking and research skills, whether they need additional support or wish to take their abilities to a more advanced level. Emphasizing critical thinking and effective argumentation, students will learn how to identify reliable sources, analyze primary and secondary materials, and craft strong historical arguments. Assignments will include research exercises, peer reviews, and source analysis, emphasizing the ability to construct well-supported historical arguments. This course provides valuable skills that students can transfer to their work in other classes, ensuring they become more effective researchers, critical thinkers, and analytical writers.</p> <p>By the end of the course, students will be proficient in research techniques and ready to produce high-quality projects and papers that showcase their historical inquiry.</p> <p>This course meets two days per week for the entire school year</p>		

TECH 4445	Advanced Game Development (Mini Course)	HW Load: *
<i>Prerequisite</i>	<i>This elective is open to students from grades 9-12 who have taken a previous course in computer science.</i>	0.5 Credit
<p>The Advanced Game Development course aims to provide students with an immersive and practical introduction to game development using the Godot Game Engine. Godot is a free and open-source platform that supports the creation of 2D, 3D, and VR (virtual reality) games. This course will blend programming, design, and creative thinking, equipping students with skills highly relevant to the tech industry and beyond.</p> <p>This course meets two days per week for the entire school year.</p>		