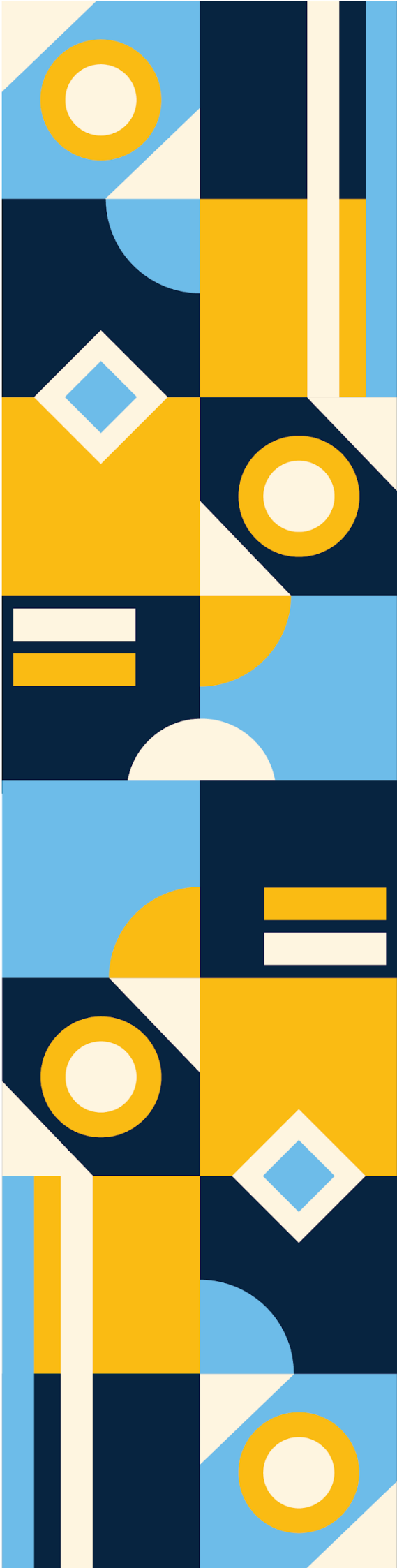




High School Course Handbook

for

Course Planning and
Online Registration

2025 - 2026

Introduction	3
Registration Process	3
Schedule Change (Add/Drop) Policy	3
Advanced Placement (AP) Program	3
Honors Courses	5
Online/Independent Study Courses	5
Grading System	5
Sports Participation Toward PE Credit	6
MS-HS Course Equivalents	6
Foreign Language Recommendations	7
Auditing Courses	7
Teacher Aide Stipulations	7
Senior Course Load	7
Honor Roll System	7
Registering Courses at ICS	8
Instructions for Online Course Registration	8
Graduation Course Requirements Checklist	9
Four Year Planner	10
Grade 9 Registration FAQ's	13
Grade 10 Registration FAQ's	14
Grade 11 Registration FAQ's	15
Grade 12 Registration FAQ's	16
 CORE COURSE DESCRIPTIONS	
English	17
Mathematics	20
Science	23
Social Studies	26
 NON-CORE COURSE DESCRIPTIONS	
Business	29
Computer Science	32
Fine Arts	34
Foreign Language	38
Electives <i>(also see Business section)</i>	41
Physical Ed-Health	44
Religious Studies	45

Introduction

The purpose of this handbook is to inform parents and students of the High School curriculum offered at the International Community School. It is used in the registration process to help students plan a course of study for their High School career.

Registration Process

Every year the School Counselors guide students through an online registration process. This is a time for students to work on their potential 4-year course of study that helps determine which courses to register for during their years in High School. During registration students must request all courses for the next full academic year. To qualify for full-time status, students must be enrolled in 7-8 credits in grades 9-11 and 6-8 credits for grade 12 students.

The master schedule is built on student requests at registration every year in early February. The courses selected by students help administration plan for not only needed courses, room availability, teacher availability, but help project scheduling needs for future years.

Schedule Change (Add/Drop) Policy

Course selection should be made with careful consideration at Registration. Students and parents should be familiar with requirements for graduation and the requirements for college entrance when planning the course of study.

Occasionally, a change to a schedule is necessary and can be accomplished with the help of the student's assigned School Counselor. Please note the following conditions:

- ❖ Students who **do not pass the first semester** will need to switch to Guided Studies or another course at the semester break.
- ❖ Simply **swapping class sections** from one block to another is not permitted; schedule changes must involve adding or dropping a course.
- ❖ Adding and dropping classes is permitted during the **first week of a semester** without penalty.
- ❖ Students can **drop a class during the semester** until a couple weeks before final exams— December 1 in S1 and May 1 in S2. In the event a course is dropped after the second week of class:
 - o A withdrawal code will appear on the student transcript:
WP if passing or WF if not passing the course at the time of withdrawal
 - o Student will be placed in a Guided Studies (study hall)
- ❖ Students cannot **add a class after the first week** of the semester. However, approval to add a class after the first week may be granted in unusual circumstances as listed:
 - o The change is necessary to meet graduation requirements
 - o A prerequisite course is missing
 - o Credit has already been granted for the course
 - o Error when inputting schedule and/or awarding credit for class
 - o Teacher/Administrator initiated and approved, based on criteria
- ❖ Counselors do not seek parental approval of course changes; it is assumed any course change was discussed outside of school before the student formally requests a change in schedule

Advanced Placement (AP) Program

The Advanced Placement (AP) Program is a **cooperative educational endeavor** between secondary schools and colleges and universities. It gives High School students exposure to college level material and an opportunity to show what they have learned through an AP Exam. Colleges and universities may grant credit, placement, or both for these subjects.

Students interested in enrolling in an AP course at ICS should consider the financial costs, the time commitment for activities such as extra study and preparation, and the AP admission criteria as they make their choices. **To**

receive AP designation and grading scale on their transcript, students must complete both semesters of the AP course and take the AP exam in May achieving a score of 2 or greater. Please note these added requirements and scenarios:

- ❖ ICS limits each student to enroll in a maximum of 5 AP classes per year. Students wanting to enroll in an additional AP course (6 AP courses total) must have this exception approved by the Principal.
- ❖ For acceptance into an AP course, students must earn an 85+ in a standard-level or 82+ in an honors or AP level prerequisite course.
- ❖ If a student does not achieve a score of 2 or greater on their final exam, their ICS transcript will display an *Honors* designation and the grading scale will be calculated on a 4.5 rather than 5.0 scale.
- ❖ If a student drops the AP course at semester, then the student's grading scale will be changed to the *Honors* grading scale for the semester and the AP designation (course title) will be changed accordingly on their transcript.
- ❖ If a student has paid the AP exam fee and doesn't take the exam, the student's grading scale will change to the *Honors* grading scale and the AP designation (course title) will change accordingly on the transcript. The student must inform the AP Coordinator before the College Board's exam order deadline (typically in early March) to be eligible for a *partial* refund since some cost is involved for exam shipping and handling, otherwise *no* refund is offered; full refund available if processed before the initial payment due date (typically first semester).
- ❖ If an ICS student wishes to take an AP exam for an AP course offered at ICS, the student must be enrolled in or have previously taken the related AP course for a full year at ICS.
- ❖ ICS students (only) can take any AP exam at ICS if the AP subject is **not offered at ICS**; students typically prepare for these exams through self-study. Students must inform the AP Coordinator of their intent to take the exam by the exam payment due date and final approval must be given by the AP Coordinator. Also, an added fee will be issued to cover required administrative and proctoring costs and total exam payment is due by the advertised AP exam payment date.

Factors Considered when Enrolling in AP Courses

Consideration for enrollment in an AP course is based on evidence of preparation and willingness to accept the challenge of a rigorous academic curriculum. The School Counselor and AP teachers provide academic counsel according to the following factors for students desiring to enroll in AP courses:

- ❖ Meet academic performance of prerequisite course(s) as noted in the Handbook.
- ❖ Teacher's recommendation
- ❖ College and career aspirations

The Principal, in consultation with the AP Coordinator, School Counselor and AP teacher (and parent when necessary) may make a recommendation regarding students' acceptance into an AP course based on the factors listed above. Consideration of these factors is to ensure ICS is providing the best objective counsel for students regarding enrollment in AP courses.

Please note that the College Board requires a personal device for many exams.

Payment Timeline

Letter out to parent by Sep

Payment window : Sep - Early Oct

Late payment : Early Oct - Before submit order (Mid of Nov)

Partial Refund : After mid Nov - Deadline in Mar

No Refund - After Deadline

Honors Courses

ICS offers honors courses to provide highly motivated students the opportunity to enrich their educational experience. Students are accepted into honors classes if they meet academic performance of prerequisite course(s) – **a grade of 90+ for standard-level or 87+ for honors-level courses unless otherwise specified.** Students taking an honors-level course will be graded using the Honors Grading Scale, an increase of half a point (.5) in calculation of their Grade Point Average (GPA) in recognition of course difficulty.

Online/Independent Study Courses

Special circumstances may necessitate online or independent study options. The School Counselor can provide these options upon approval from parents and the High School Principal. **Up to 2 credits can be taken during a student's High School career.**

The **Independent Study** option exists for students who need to work on a course outside of the standard A-H block schedule. An Independent Study form must be completed by the student and signed by the teacher willing to work with and assess the student outside of the block time allotments. The Independent Study designation will appear on the student's transcript along with course credit and grade.

Students may register to take **Online Courses** with ICS-approved online class providers such as Sevenstar Academy. Students must register for the online course by the end of third quarter (around the end of March) if the online course will be used as a prerequisite for the following school year.

One of the following criteria need to apply for taking online classes:

- ❖ ICS does not offer the course in our curriculum
- ❖ Student needs to make up a class they had failed previously
- ❖ Student would like to fast track to a higher level class
- ❖ Student needs a class that cannot be scheduled to meet ICS graduation requirements, or
- ❖ There is a scheduling conflict. Taking a class online would allow them to take the desired class at ICS.

Independent Study and Online courses cannot be taken for the purpose of graduating early. **ICS requires that all Bible, PE and Science Lab classes be taken at ICS.**

Online Course Grade

Students **must receive a minimum final grade of 70% or higher** in their online class to receive course credit at ICS. Students can take the course again at ICS to receive needed credit if they fail to achieve the needed prerequisite grade or minimum passing grade of 70%. If the online course is a prerequisite for another ICS course, they must **earn the prerequisite grade** as listed in the Course Descriptions section at the end of this manual.

ICS Exam Grade

Students that wish to jump ahead in a subject must **earn a score of 70% or better on a final ICS exam** given by the appropriate ICS teacher. Failure to pass the online class and the final exam with a 70% or better will result in the student taking the class at ICS to receive credit.

After online course completion, a transcript/grade report must be sent to ICS in order to add the course credit to a student's high school transcript. The online course grade will also show but is not calculated in the ICS GPA.

A spot will be reserved for the student in the hoped-for next-level course; enrollment will be finalized once the student completes all prerequisite requirements as listed above.

Grading System

All grades from ICS High School courses (9-12) are used to calculate the student's cumulative GPA displayed on the student's ICS transcript. Grades in AP and Honors courses will be factored into the GPA using the AP and Honors Point Scale.

Calculation of GPA on Official Transcript

Using the Grading Scales Chart (below), a student earning a numerical grade of 85 in an AP class will receive a

GPA of 4.0 instead of a 3.0 if the course were a Standard level course. The course grade reflected on the student's report card will show 85 but the AP Grading Scale will be used to calculate the course GPA.

Only ICS course grades earned during a student's study at ICS will be used to calculate their GPA. Non-ICS courses (such as online and/or those transferred from another school) may show on a student's ICS transcript with course credit only. Non-ICS course grades are not calculated in a student's GPA. The GPA will be calculated using the Standard, Honors and/or AP (Advanced Placement) Grading Scales based on individual course levels.

GRADING SCALES BASED ON COURSE TYPE				
NUMERIC AVERAGE	LETTER	STANDARD POINT SCALE	HONORS POINT SCALE	AP POINT SCALE
98-100	A+	4.0	4.5	5.0
94-97	A	4.0	4.5	5.0
92-93	A-	3.7	4.2	4.7
88-91	B+	3.3	3.8	4.3
84-87	B	3.0	3.5	4.0
82-83	B-	2.7	3.2	3.7
78-81	C+	2.3	2.8	3.3
74-77	C	2.0	2.5	3.0
72-73	C-	1.7	2.2	2.7
65-71	D	1.0	1.5	2.0
0-64	F	0.0	0.5	1.0

Sports Participation Toward PE Credit

Every student is required to have a minimum of 1.5 PE credit needed for graduation. Students can choose from a variety of PE courses offered at ICS and up to six (6) team sports at the JV or Varsity level. Each sport is worth 0.25 credit toward their 1.5 PE graduation requirement.

In order for a student to receive .25 PE credit through athletics, he or she must start and finish the sport's season, complete a minimum of 25 hours of sport activity, participate in one competition and receive a signature from the coach. The maximum amount of PE credit a student can earn during a school year through sports is .75. Students may not receive credit for two sports in the same season. To receive credit, students must submit a *Sports Credit Form* in the year they participated in the team sport – by April 30 of the current school year at the latest.

JV/V Tennis, clubs in or outside of ICS, private lessons, individual outside sports, and participating as a manager for an ICS sports team does NOT qualify for this PE credit.

MS-HS Course Equivalents

Students can choose to take 8th grade courses in anticipation of advancing into the related second year level course when arriving in 9th grade High School. The following are the Middle School (MS) 8th grade and High School (HS) 9th grade course equivalents:

- ❖ Algebra 8 = HS Algebra 1
- ❖ ICP 8 = HS ICP 9
- ❖ Intro Art and Design 8 = HS Intro Art & Design

- ❖ Spanish 1 8th Grade = HS Spanish 1
- ❖ French 1 8th Grade = HS French 1
- ❖ Mandarin 1 8th Grade = HS Mandarin 1

Students with a passing grade of 65+ will have the opportunity to take the next level of course when entering High School. While these courses can be used as prerequisites, HS credit is not given for any MS courses.

Foreign Language Recommendations

Students new to ICS who are required to study ESL, face language challenges in their new environment. In light of these language challenges, new grade 9 and grade 10 ESL students are strongly encouraged to wait until their second year at ICS before enrolling in a foreign language course.

Students who take an MS Language and want to repeat it in HS should meet with the HS language teacher for approval before enrolling in the HS class.

Auditing Courses

ICS students may request to audit courses from time to time - enrolling in a course without being responsible to complete assignments and tests. Every audited course will appear on the student's transcript listed as an Audited course without a grade or course credit. Students will be enrolled in audited courses, which means the course shows up on their class schedule. **Students may choose to audit a course within the first three weeks of each semester.**

Attendance is taken to ensure the school knows the location of all students at all times. It is expected that students will attend and contribute to the class on a regular basis. Teachers will continually evaluate student involvement; if it is deemed in the best interest of the class, teachers can request the student be placed in a *Guided Studies* instead of auditing their class.

Teacher Aide (TA) Stipulations

TA students work on a permanent (semester) and temporary (block) basis and are based on teacher/office staff needs. Student assignments may not be finalized until the second week of the semester. Grades 11 and 12 students are given priority when space is limited.

Students enrolled in the TA course may be removed from the program and placed in a *Guided Studies* if there are complaints about the quality of their work. If the student is removed from TA, their transcript will not display any indication of withdrawal from the TA program.

Senior Course Load

Seniors must take a minimum of six courses during their senior year to maintain full-time status. In addition to completing all academic requirements for graduation from ICS, when planning schedules, seniors may want to consider how their academic load will look to prospective universities during the application process.

Honor Roll System

To be listed for Honor Roll a student must achieve an accumulated GPA of 3.5

Quarterly Honor Roll

Students will be evaluated for the *Quarterly Honor Roll* based on each individual quarter, regardless of the school year (grade 9-11). In other words, a grade 11 student in Q2 can achieve the *Honor Roll* in a quarter even if they did not achieve it in a previous quarter.

Cumulative Honor Roll at Graduation

Students who earn a cumulative 3.50 GPA or higher on courses taken at ICS will be considered for an *Honor Graduate* cord.

Valedictorian and Salutatorian Eligibility

Students must have attended ICS from grades 9-12 for a total of 8 full semesters in order to be considered for

these prestigious awards. The *Valedictorian* award is the top student achiever in their graduating class. The *Salutatorian* award is for the student who has the second highest cumulative GPA in their graduating class.

Board of Governor's Scholarship

The ICS Board of Governors wants to recognize the top 5 academic achievers for every class at graduation. The *Valedictorian* and *Salutatorian* are already included in the first two positions, but the next three top achieving students will also be recognized. Students must have attended ICS from grades 10-12 for a total of 6 full semesters to qualify for this scholarship.

Registering Courses at ICS

During February of each school year, grades 8-11 students are given access to register online for the next year's ICS courses. The registration process is done via our school information management system – *Facts*. Please note: registering online does not guarantee the student will get all the courses they request.

Administrators use the results of course registration to determine the number of class sections, teacher assignments and recruitment, room allocation, and textbook purchases needed for the next school year.

Instructions for Online Course Registration

Students and parents can register for courses online for the next school year:

- Go to www.renweb.com and login to *ParentsWeb*
 - Once logged in, click on the **Student** tab located to the left of the screen
 - Various options should appear
 - Click on **Course Request**
 - If you have more than one child then **select the name** at the top of the *Course Request* screen; this will open the online registration form specific for that
-
- child
 - **Follow instructions** when registration form opens; scroll down to make course selections

Students are encouraged to take the online registration time seriously. This is the best way to secure a seat in desired courses as the master schedule is created based on these requests.



Graduation Course Requirements Checklist

Students need a minimum of 26.5 credits total; category credits listed below; () are required for graduation*

English 4.0						
English Composition	1.0	(*)		World Literature (OR)	1.0	(*)
British Literature	1.0	(*)		AP English Literature & Comp	1.0	(*)
American Literature (OR)	1.0	(*)		Creative Writing A & B	0.5 Each	Elective
AP English Language & Comp	1.0	(*)		ESL 1, 2, 3	1.0 Each	Elective
Mathematics 3.0						
Algebra 1	1.0			Honors Calculus	1.0	
Hon/Geometry	1.0			AP Calculus AB/BC	1.0	
Hon/Algebra2	1.0			Statistics	1.0	
Hon/Pre Calculus	1.0			AP Statistics	1.0	
Science 3.0						
Intro to Chem & Physics	1.0			Conceptual Physics	1.0	
Biology	1.0			AP Physics 1	1.0	
AP Biology	1.0			AP Physics 2	1.0	
Chemistry	1.0			Forensics	0.5	
AP Chemistry	1.0			Hon/Anatomy & Physiology	1.0	
AP Environmental Science	1.0					
Social Studies 3.0						
World Geography	1.0	(*)		Sociology	0.5	
Modern Era History (OR)	1.0	(*)		Government	0.5	
AP World History	1.0	(*)		AP Comparative Government	1.0	
US History	1.0			AP Psychology	1.0	
Fine Arts 1.0						
Intro Art & Design	0.5			Marketing Design Studio	0.5	
Intermediate Drawing & Painting	0.5			Hon/Theatre Arts 1, 2, 3, 4	1.0 Each	
Intermediate 2D Design	0.5			Hon/Tech Theatre 1, 2, 3	1.0 Each	
Intermediate 3D Design	0.5			Hon/Band 1, 2, 3, 4	1.0 Each	
Advanced Art Studio	0.5			Hon/Orchestra 1, 2, 3, 4	1.0 Each	
AP Studio Art	1.0			AP Music Theory	1.0	
PE-Health 1.5						
Team Sports	0.5 Each			Lifeguarding	0.5 Each	
Target and Leisure Games	0.5 Each			Strength Training	0.5 Each	
Personal Fitness	0.5 Each			JV/V Sports	0.25 Each	
Computer Science 1.0						
Applied Technologies	0.5			Robotics Engineering	0.5	
Digital Media	0.5			Honors Cyber Security	0.5	
Fdn of Web Design & Program	0.5			AP Computer Science A	1.0	
3D Digital Animation	0.5			AP Computer Science Principles	1.0	
Database Concepts	0.5					
Foreign Language 2.0						
Spanish 1	1.0			Mandarin 1	1.0	
Spanish 2	1.0			Mandarin 2	1.0	
Honors Spanish 3	1.0			Honors Mandarin 3	1.0	
AP Spanish	1.0			AP Mandarin	1.0	
French 1	1.0			Thai Language Speaking	1.0	
French 2	1.0			Thai Language Writing 1	1.0	
Honors French 3	1.0			Thai Language Writing 2	1.0	
AP French	1.0			Thai Language Writing 3	1.0	
Religious Studies 2.0						
JCHL 1	0.5	(*)		Intro Philosophy & Worldview	0.5	(*)
JCHL 2	0.5	(*)		World Religions	0.5	(*)
Electives						
Speech	0.5			Personal Finance & Investing	0.5	
Thai 1, 2, 3, 4	1.0 Each	(*)Required for Thai		Accounting	0.5	
Yearbook	1.0 Each			Engineering Design Foundations	1.0	
Business	0.5			Hon. Engineering Design Application	0.5	
Entrepreneurship	0.5			Academic Studies	0.5 Each	
Marketing	1.0			Teacher Aide	0.5 Each	
AP Microeconomics	0.5			Senior Transition	0.5	
AP Macroeconomics	0.5			Economics	0.5	

FOUR YEAR PLANNER

The Four Year Planner is a tool to consider which courses a student would like to take during their time in High School. Parents and School Counselors should review course options with students to ensure course choices reflect career aspirations and a well-rounded education. Please note the minimum credits needed in each category and remember a minimum of 26.5 course credits is needed for graduation from ICS. The planner does not guarantee students' selected choices can be scheduled.

CORE CREDITS			
ENGLISH 4.0			
Grade 9	Grade 10	Grade 11	Grade 12
English Composition (*)	British Literature (*)	American Literature (*) OR AP Language & Comp (*)	World Literature (*) OR AP Literature & Comp (*) OR AP Language & Comp (*)
MATHEMATICS 3.0			
Grade 9	Grade 10	Grade 11	Grade 12
Algebra 1 Hon/Geometry Hon/Algebra 2	Hon/Geometry Hon/Algebra 2 Hon/Pre Calculus Statistics AP Statistics	Hon/Geometry Hon/Algebra 2 Hon/Pre Calculus Honors Calculus AP Calculus AB/BC Statistics AP Statistics	Hon/Geometry Hon/Algebra 2 Hon/Pre Calculus Honors Calculus AP Calculus AB/BC Statistics AP Statistics
SCIENCE 3.0			
Grade 9	Grade 10	Grade 11	Grade 12
Intro to Chem & Physics Biology	Biology AP Biology Chemistry Conceptual Physics Forensics .5	Chemistry AP Chemistry Conceptual Physics AP Physics 1 and/or 2 Biology AP Biology AP Environmental Science Hon/Anatomy & Physio Forensics .5	Chemistry AP Chemistry Conceptual Physics AP Physics 1 and/or 2 Biology AP Biology AP Environmental Science Hon/Anatomy & Physio Forensics .5
SOCIAL STUDIES 3.0			
Grade 9	Grade 10	Grade 11	Grade 12
World Geography	Modern Era History (*) OR AP World History (*)	Modern Era History (*) OR AP World History (*) US History Government .5 Sociology .5 AP Psychology AP Comparative Gov't AP Microeconomics .5 AP Macroeconomics .5	AP World History US History Government .5 Sociology .5 AP Psychology AP Comparative Gov't AP Microeconomics .5 AP Macroeconomics .5

NON-CORE CREDITS			
PE/HEALTH 1.5			
Grade 9	Grade 10	Grade 11	Grade 12
Team Sports .5 (each) Target and Leisure .5 (each) Personal Fitness .5 JV/V Sport .25 (each)	Team Sports .5 (each) Target and Leisure .5 (each) Personal Fitness .5 Lifeguarding .5 JV/V Sport .25 (each)	Team Sports .5 (each) Target and Leisure .5 (each) Personal Fitness .5 Lifeguarding .5 JV/V Sport .25 (each)	Team Sports .5 (each) Target and Leisure .5 (each) Personal Fitness .5 Lifeguarding .5 JV/V Sport .25 (each)
FINE ARTS 1.0			
Grade 9	Grade 10	Grade 11	Grade 12
Intro Art & Design .5 Int Drawing & Painting .5 Int 2D Design .5 Int 3D Design .5 Theatre Arts 1 Tech Theatre 1 Band 1 Orchestra 1	Intro Art & Design .5 Int Drawing & Painting .5 Int 2D Design .5 Int 3D Design .5 Advanced Art Studio .5 Marketing Design Studio .5 Theatre Arts 1, 2 Tech Theatre 1, 2 Band 1, 2 Orchestra 1, Orchestra 2 AP Music Theory	Intro Art & Design .5 Int Drawing & Painting .5 Int 2D Design .5 Int 3D Design .5 Advanced Art Studio .5 Marketing Design Studio .5 Theatre Arts 1, 2, Hon 3 Tech Theatre 1, 2, Hon 3 Band 1, 2, Hon 3 Orchestra 1, 2, Hon 3 AP Music Theory AP Art & Design Studio	Intro Art & Design .5 Int Drawing & Painting .5 Int 2D Design .5 Int 3D Design .5 Advanced Art Studio .5 Marketing Design Studio .5 Theatre Arts 2, Hon 3, Hon 4 Tech Theatre 1, 2, Hon 3-4 Band 1, 2, Hon 3, Hon 4 Orchestra 1, 2, Hon 3, Hon 4 AP Music Theory AP Art & Design Studio
COMPUTER SCIENCE 1.0			
Grade 9	Grade 10	Grade 11	Grade 12
Applied Technologies .5 Digital Media .5 3D Digital Animation .5	Applied Technologies .5 Digital Media .5 Database Concepts .5 Fdn Web Design Program .5 3D Digital Animation .5 Robotics Engineering .5 AP Computer Sci A AP Computer Sci Principles	Applied Technologies .5 Digital Media .5 Database Concepts .5 Fdn Web Design Program .5 3D Digital Animation .5 Robotics Engineering .5 AP Computer Sci A AP Computer Sci Principles	Applied Technologies .5 Digital Media .5 Database Concepts .5 Fdn Web Design Program .5 3D Digital Animation .5 Robotics Engineering .5 Hon Cyber Security .5 AP Computer Sci A AP Computer Sci Principles
FOREIGN LANGUAGE 2.0			
Grade 9	Grade 10	Grade 11	Grade 12
Spanish 1, 2 French 1, 2 Mandarin 1, 2, Hon 3 Thai Language Speaking	Spanish 1, 2, Hon 3 French 1, 2, Hon 3 Mandarin 1, 2, Hon 3, AP Thai Lang Speak or Writing	Spanish 1, 2, Hon 3, AP French 1, 2, Hon 3, AP Mandarin 1, 2, Hon 3, AP Thai Speak or Writing 1/2/3	Spanish 1, 2, Hon 3, AP French 1, 2, Hon 3, AP Mandarin 1, 2, Hon 3, AP Thai Speak or Writing 1/2/3
RELIGIOUS STUDIES 2.0			
Grade 9	Grade 10	Grade 11	Grade 12
	JCHL 1 .5 (*) JCHL 2 .5 (*)	World Religions .5 (*) Phil & Worldview .5 (*)	World Religions .5 (*) Phil & Worldview .5 (*)

NON-CORE CREDITS			
ELECTIVES			
Grade 9	Grade 10	Grade 11	Grade 12
Speech .5 Teacher Aid .5 Academic Studies .5 Thai 1 (*Thai nationals) Creative Writing A .5 Creative Writing B .5 ESL 1	Speech .5 Teacher Aid .5 Academic Studies .5 Business .5 Entrepreneurship .5 Yearbook Economics .5 Engineering Foundations Thai 2 (* Thai nationals) Creative Writing A .5 Creative Writing B .5 ESL 1, ESL 2	Speech .5 Teacher Aid .5 Academic Studies .5 Business .5 Entrepreneurship .5 Yearbook Marketing Economics .5 Personal Finance .5 Accounting .5 Engineering Foundations Hon Engineering Appl .5 Thai 3 (* Thai nationals) Creative Writing A .5 Creative Writing B .5 ESL 2	Speech .5 Teacher Aid .5 Academic Studies .5 Business .5 Entrepreneurship .5 Yearbook Marketing Economics .5 Personal Finance .5 Accounting .5 Engineering Foundations Hon Engineering Appl .5 Senior Transition .5 Thai 4 (* Thai nationals) Creative Writing A .5 Creative Writing B .5

NOTES:

- One semester courses are listed (.5) credit while all other courses are two semesters or year-long 1.0 credit in length
- Courses in **BOLD** are required for graduation and do not have alternate course options.
- Courses that offer Standard and Honors = Hon/3, Hon/4 etc; courses that ONLY offer Honors = Hon 3, Hon 4 etc.
- Courses indicated by an asterisk (*) are required for graduation. The year taken is not important when offered in multiple years.

What classes are recommended for all grade 9 students?

English (English Composition), Math of current level (usually Algebra I or Geometry), Science (Intro to Chemistry & Physics or Biology) and Social Studies (World Geography). Computer and PE courses are recommended courses to take in grade 9.

Can I take Guided Studies?

Yes, but it is preferred that grade 9 students work on getting their foundational courses and save Guided Studies for the upper High School years when courses are more challenging and they need extra study time.

How many classes will I take?

You will register for a total of 7-8 credits for each year. High school is more concerned with credits than with the number of classes you take.

What are the alternative electives?

Priority is given to upperclassmen for most classes. For example, if you want to take Creative Writing in grade 9, the class will be filled with seniors first, then juniors, then sophomores. If the spaces are filled with the juniors and seniors, then you will need to select an alternative course.

What non-core courses do most freshmen take?

Most freshmen will take Computer, PE, Foreign Language, Creative Writing or Fine Arts courses along with the core classes of Math, Science, English, and Social Studies.

When does Registration open and close?

ICS will open the course request section in February of each year so students can choose courses via Facts. There will be a deadline one week later to complete the online registration.

Reminder . . .

Don't forget to register for Thai if you are a Thai citizen without dual citizenship. And don't forget to register for ESL if you are in the ESL program.

What if I pass the ESL test at the end of the year?

If you pass the ESL test, talk with your School Counselor to determine an alternate choice in place of ESL. Every attempt will be made to accommodate that new choice.

Grade 10 Registration FAQ's

What classes are required for all grade 10 students?

English (British Literature), Math of current level (usually Geometry or Algebra 2), Science (Biology, Chemistry, Conceptual Physics or AP Biology) and Social Studies (either Modern Era or AP World History.) It is expected that both JCHL 1 and JCHL 2 will be taken in grade 10.

Can I take a Guided Studies?

Yes, but a Guided Study does not provide a grade or grant credit toward graduation credit requirements.

How many classes will I take?

You will register for a total of 7-8 credits for each year.

What are the alternative electives?

Priority is given to upperclassmen for most classes. For example, if you want to take Creative Writing the class will be filled with seniors first, then juniors, then sophomores. If the spaces are filled with the juniors and seniors, then you will need to select an alternative course.

Do I need a signature to register for an AP course?

Register with the idea you have met all requirements for the specific AP course. An assessment or grade-review administered in the second semester will determine whether you get into the desired AP course or not.

What non-core courses do most sophomores take?

Most sophomores will take JCHL 1 & 2 in addition to a Foreign Language, a Fine Arts course and another choice.

When does Registration open and close?

ICS will open the course request section in February of each year so students can choose courses via Facts. There will be a deadline one week later to complete the online registration.

Reminder . . .

Don't forget to register for Thai if you are a Thai citizen without dual citizenship. And don't forget to register for ESL if you are in the ESL program.

What if I pass the ESL test at the end of the year?

If you pass the ESL test, talk with your Counselor to determine an alternate choice in place of ESL. Every attempt will be made to accommodate that new choice.

Grade 11 Registration FAQ's

Can I take a Guided Studies?

Yes, but a Guided Study does not provide a grade or grant credit toward your graduation credit requirements.

How many classes will I take?

You will register for a total of 7-8 credits for each year.

Do I need a signature to register for an AP course?

Register with the idea you have met all requirements for the specific AP course. An assessment or grade-review administered in the second semester will determine whether you get into the desired AP course or not.

What are the alternative electives?

Priority is given to upperclassmen for most classes. For example, if you want to take Creative Writing, the class will be filled with seniors first, then juniors, then sophomores. If the spaces are filled with the juniors and seniors, then you will need to select an alternative course.

What non-core courses do most juniors take?

Most juniors will take Philosophy & Worldview and World Religions together, a Foreign Language, and other electives that vary based upon personal and future goals.

When does pre-registration open and close?

ICS will open the course request section in February of each year so students can choose courses via Facts. There will be a deadline one week later to complete the online registration.

Reminder . . .

Don't forget to register for Thai if you are a Thai citizen without dual citizenship. And don't forget to register for ESL if you are in the ESL program.

What if I pass the ESL test at the end of the year?

If you pass the ESL test, talk with your Counselor to determine an alternate choice in place of ESL. Every attempt will be made to accommodate that new choice.

Grade 12 Registration FAQ's

Can I take a Guided Studies?

Yes, but a Guided Study does not provide a grade or grant credit toward graduation credit requirements.

How many classes will I take?

You will register for a total of 6-8 credits for each year.

Do I need a signature to register for an AP course?

Register with the idea you have met all requirements for the specific AP course. An assessment or grade-review administered in the second semester will determine whether you get into the desired AP course or not.

What are the alternative electives?

On occasion, we are unable to accommodate student selections for courses because of time conflicts. We will make every effort to allow seniors their first choices in all subjects, but in the event of a conflict, alternatives will be assigned. For example, a senior wants to enroll in Creative Writing but the time conflicts with an AP course that is not available in other time selections. Priority will be given to the AP course and an alternate will be assigned in place of Creative Writing.

What non-core courses do most seniors take?

Seniors will complete credit requirements in non-core courses. Some students will take Senior Transitions to prepare for the changes to come upon entering university.

When does Registration open and close?

ICS will open the course request section in February of each year so students can choose courses via Facts. There will be a deadline one week later to complete the online registration.

Reminder . . .

Don't forget to register for Thai if you are a Thai citizen without dual citizenship. And don't forget to register for ESL if you are in the ESL program.

Core Course Descriptions

The prerequisite grade for courses is 65+ unless otherwise noted.

ENGLISH

EN 107 - ENGLISH COMPOSITION AND WRITING

Credits: 1.0

Number of Semesters: 2

Grade Level: 9

Prerequisite(s): *None*

English Composition is designed as a writing-intensive course which will continue to use multi-genre literature to provide instruction in the following areas: reading, comprehension, mechanics and usage, vocabulary and writing in a variety of genres including narrative, persuasive, expository, and business writing. One paper involving research will be required. Speaking and listening skills will be improved through class discussion, oral interpretations and reports. Refer to the [Book Selection Summary](#) for novels and descriptions included in this course.

EN 117 - BRITISH LITERATURE

Credits: 1.0

Number of Semesters: 2

Grade Level: 10

Prerequisite(s): *English Composition*

The *British Literature* course at ICS is based on a variety of literary genres written by a wide range of renowned British authors. Unit topics include novels and literary analysis with an emphasis on character analysis, allegory, poetry, and argument and logic. Refer to the [Book Selection Summary](#) for novels and descriptions included in this course. Writing instruction for the course will emphasize formal essay writing, including a research paper, but students will also get the chance to write many creative and personal pieces as well, including original poems and narratives. Other topics of the course include an overview of common grammar and usage errors and regular vocabulary assessment—both of which are geared towards SAT Prep. The use of technology will also be integrated into many aspects of the course, in the form of research assignments and presentations. Most importantly, this course will encourage students to think critically about the countless issues and questions brought up by these world-class thinkers and writers and help students learn to communicate their own ideas in response in the most effective ways.

EN 119 - AMERICAN LITERATURE

Credits: 1.0

Number of Semesters: 2

Grade Level: 11

Prerequisite(s): *English Composition and British Literature*

American Literature explores multiple thematic components of literature in the USA through the lens of American novels, poetry, and stories from varying authors and time periods. Specifically, this course examines the themes of the American Dream, the American paradox of slavery versus freedom, conformity, and technology. Through the study of these themes, students further build upon their work in the *British Literature* course by continuing to develop reading, writing, and literary analysis skills. Multiple essays and one research paper are part of the writing requirements of this course, along with other informal and creative writing.

EN 114 - WORLD LITERATURE

Credits: 1.0

Number of Semesters: 2

Grade Level: 12

Prerequisite(s): *Completion of previous three years of English*

World Literature is a course designed to introduce seniors to the scope of world literature written across time and culture in English and in translation. Selected works of fiction, drama, essay, and poetry from a variety of Asian, African, European, and postcolonial societies will be addressed thematically and chronologically. Building on the *American Literature* course, emphasis will be placed on analyzing themes, comparing and contrasting works across cultures, and the historical context of the works themselves. Several research papers will be required as the writing in the course will focus upon academic and college writing. Refer to the [Book Selection Summary](#) for novels and descriptions included in this course.

ENGLISH (continued)

EN 105 - AP ENGLISH LANGUAGE AND COMPOSITION

Credits: 1.0

Number of Semesters: 2

Grade Level: 11-12

Prerequisite(s): *British Literature avg 84+ OR American Literature avg 84+; priority given to grade 11*

The *AP English Language and Composition* course provides juniors and seniors with experience in studying and writing various kinds of analytic and argumentative essays. The course is academically rigorous and intends to develop intellectual confidence, superior writing and reading skills, and critical thinking. Unlike most of the other English courses, *AP English Language and Composition* focuses on nonfiction works. Approved titles include: *Four Loves* by C. S. Lewis, *50 Essays* by Samuel Cohen and *MacBeth* by Shakespeare.

EN 121 - AP ENGLISH LITERATURE AND COMPOSITION

Credits: 1.0

Number of Semesters: 2

Grade Level: 12

Prerequisite(s): *AP English Language and Composition avg 82+ OR American Literature avg 84+*

AP English Literature is comparable to an undergraduate English literature class in workload and academic rigor. In addition to preparing for the AP exam in May, students practice careful reading and critical analysis of literary fiction of high acclaim, along with further developing their writing skills in a variety of formats. Works studied include a number of modern novels, short stories, poetry, and plays. Through reading, writing, discussions, and various other activities, students explore a host of relevant topics, including—but not limited to—questions related to culture, philosophy, human nature, and social issues. Incoming *AP English Literature* students are expected to read a novel and complete an associated reading activity over the summer. Approved titles include: *The Good Earth*, *Persepolis: The Story of a Childhood*, *The Book Thief*, *Nectar in a Sieve*, *The Motorcycle Diaries*, *Cry, the Beloved Country*, *Things Fall Apart*, and *No Way Out*.

EN112 (ESL 1) & EN113 (ESL 2) - ENGLISH AS A SECOND LANGUAGE (ESL)

Credits: 1.0

Number of Semesters: 2

Grade Level: 9-12

Prerequisite(s): *This is a required course for all students who are officially in the ESL program*

The ESL program addresses the English language needs of students for whom English is not their first language. Instruction from an ESL teacher and in small groups helps students learn and comprehend English. Modeling, role playing, vocabulary games and activities, and shared and independent reading and writing experiences are some of the learning strategies used. ESL students are in the mainstream academic classes most of the day, together with native speakers and more proficient second language users. When the student performs sufficiently on the English proficiency test near the end of the school year, the student may exit the ESL program. For those who remain in the program, students may progress to ESL2 after graduating from the ESL1 course.

EN 109 - CREATIVE WRITING A

Credits: 0.5

Number of Semesters: 1 (First semester)

Grade Level: 9-12

Prerequisite(s): *None; course can be repeated*

The overall focus of this class will be on the greater genre of fiction. The first half is spent on prose, primarily in the form of original short story writing. The second half of the class is focused around poetry. Students who take this class should expect to be given a good amount of freedom and encouragement to express themselves creatively, in a variety of different writing modes. This class also puts a heavy emphasis on using technology; most classes are held in the computer lab, and much of the class' activities involves using student blogs.

ENGLISH (continued)

EN 109 - CREATIVE WRITING B

Credits: 0.5

Number of Semesters: 1 (Second semester)

Grade Level: 9-12

Prerequisite(s): *None; course can be repeated*

The overall focus of this class will be on the greater genre of non-fiction. The first half of the class is spent on personal writing, culminating in the writing of lengthy personal memoirs. The second half of the class is focused around informational writing - journalism, in other words. This class also puts a heavy emphasis on using technology. Large projects involving videography play major roles in both units. Most regular classes are actually held in the computer lab, and much of the class' activities involves using student blogs.

Follow this link to the [Book Selection Summary](#) for descriptions of the novels used in ICS English courses.

MATHEMATICS

MA 201 - ALGEBRA 1

Credits: 1.0

Number of Semesters: 2

Grade Level: 9-12

Prerequisite(s): None; equivalent course is Algebra 8 if final grade is 75+

This course takes students from Middle School mathematics into solving problems with rational and irrational numbers, inequalities, functions, polynomials and systems of equations. It is assumed that the student can handle fractions, decimals, integers and simple algebraic equations before starting *Algebra 1*.

NOTE: If an eighth grade Algebra 1 student does not hold an average of 75 or higher in each of the first 3 quarters, the student is recommended to retake the class for credit during their ninth grade school year. This recommendation is to protect them from having poor Algebra 1 grades on their transcript and will help lead them to a place of success in the HS Math program. Technically, students can take the next level Algebra 2 class if they pass Algebra 8 with a grade of 65.

NOTE: ICS will give credit for online math courses taken during High School years, including the summer prior to grade 9. If a student wants to advance to the next math class, however, the student must pass the ICS final exam in the equivalent course. The ICS placement exam cannot be taken more than once.

MA 202 - GEOMETRY

Credits: 1.0

Number of Semesters: 2

Grade Level: 9-12

Prerequisite(s): Algebra 8 OR Algebra 1 (completed)

The student starts *Geometry* by learning to use deductive proofs in solving problems of geometric figures. The surface area and volume of various plane solid shapes are studied. Basic trigonometry is also investigated which involves equations of lines and transformations of figures in a coordinate plane.

NOTE: ICS currently offers an equivalent 0.5 credit Summer Geometry course covering entire year content in just four weeks. Students in Algebra 8 or Algebra 1 with a grade of 94 average or higher in each of the first 3 quarters are eligible to register.

MA 210 - HONORS GEOMETRY

Credits: 1.0

Number of Semesters: 2

Grade Level: 9-12

Prerequisite(s): Algebra 1 avg 90+

Honors Geometry develops students' critical thinking skills through study of shapes and their properties. Students will form logical arguments to identify, analyze, and solve geometric problems. Use of inductive and deductive reasoning as well as multiple investigative strategies will be emphasized. All topics from the *Geometry* course will be covered but often with additional content and greater depth.

MA 203 - ALGEBRA 2

Credits: 1.0

Number of Semesters: 2

Grade Level: 9-12

Prerequisite(s): Algebra 8 OR Algebra 1 (completed)

Algebra 2 is designed to equip students for university study in non-technical fields. This course will also help develop skills for living. It begins with linear algebra and polynomials. Quadratic equations are studied along with irrational and imaginary numbers. Within the course are concepts of logarithms, series and sequences, statistics and probability.

MATHEMATICS (continued)

MA 204 - HONORS ALGEBRA 2

Credits: 1.0

Number of Semesters: 2

Grade Level: 9-12

Prerequisite(s): *Algebra 1 or Geometry avg 90+ OR Honors Geometry avg 87+ (most recent course)*

Honors Algebra 2 is the start of more advanced studies in mathematics. It begins with linear algebra and polynomials. Quadratic equations and conics are studied along with irrational and complex numbers. Within the course are concepts of matrices, logarithms, series and sequences, statistics and probability. *Honors Algebra 2* is designed to equip the student for further studies in technical fields in higher education.

MA 205 - PRE-CALCULUS

Credits: 1.0

Number of Semesters: 2

Grade Level: 10-12

Prerequisite(s): *Geometry, Algebra 2 OR Honors Algebra 2*

This class prepares the student for *AP Calculus AB* by learning the concepts in trigonometry, discrete mathematics, limits, relations, functions and graphing, as well as an introduction to calculus. Use of the graphing calculator and computer will be emphasized in this program. The student will also examine how mathematics at this level can be applied to daily living and to various fields of study and employment. (Required course material: graphing calculator.)

MA 207 - HONORS PRE-CALCULUS

Credits: 1.0

Number of Semesters: 2

Grade Level: 10-12

Prerequisite(s): *Geometry/Alg 2 avg 90+ OR Hon Alg 2/Summer Geometry avg 87+*

This honors class prepares the student for *AP Calculus AB*. The same concepts are taught as in *Pre-Calculus* except it is taught at a quicker pace and more advanced assignments, tests, and exams are required. (Required course material: graphing calculator.)

MA 208 - HONORS CALCULUS

Credits: 1.0

Number of Semesters: 2

Grade Level: 11-12

Prerequisite(s): *Pre-Calculus avg 82+ OR Honors Pre-Calculus avg 75+*

This course is designed for students capable of higher math who wish to study further in technical fields but are not seeking AP credit. Therefore, the course can move at a slower pace than *AP Calculus AB* while students learn to master the same essential topics. Topics to be covered are functions, graphs and limits, derivatives, integrals and integration. Emphasis will be placed on calculation techniques and problem solving.

MA 206 - AP CALCULUS AB/BC

Credits: 1.0

Number of Semesters: 2

Grade Level: 11-12

Prerequisite(s): *AB- Pre-Calculus avg 85+ OR Honors Pre-Calculus avg 82+; BC- Pre-Calculus avg 90+ OR Honors Pre-Calculus avg 87+ OR passed AP Calculus AB*

AP Calculus is designed for students capable of higher math who wish to study further in technical fields. The students will be eligible to take the Advanced Placement examination which makes students eligible for university credit at most U.S. colleges and universities. *AP Calculus AB* topics include: functions, graphs and limits, derivatives, integrals and integration, sequences and series, polynomial approximations and various plane curves and polar graphs. *AP Calculus BC* covers all topics in *AB* in addition to topics including sequences and series, differentiation by parts, improper integrals, tests of convergence, and length of curves.

MATHEMATICS (continued)

MA 219 - STATISTICS

Credits: 1.0

Number of Semesters: 2

Grade Level: 10-12

Prerequisite(s): *Algebra 1; Geometry*

This *Statistics* (non-AP) course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes:

1. Exploring Data: Analyzing and modeling one and two variable data
2. Sampling and Experimentation: Collecting data from real world experiments
3. Anticipating Patterns: Exploring random phenomena using probability and simulation
4. Statistical Inference: Estimating parameters and testing statistical significance

MA 209 - AP STATISTICS

Credits: 1.0

Number of Semesters: 2

Grade Level: 10-12

Prerequisite(s): *Algebra 2 (completed); Geometry (completed)*

The purpose of the *AP Statistics* course is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes:

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

(Required course material: graphing calculator.)

SCIENCE

SC 301 - INTRO TO CHEMISTRY/PHYSICS (ICP)

Credits: 1.0

Number of Semesters: 2

Grade Level: 9

Prerequisite(s): None

ICP serves as a foundation for the upper level science courses. It is a laboratory-based course that explores the relationship between matter and energy, which allows students to gain a better understanding of the physical world. Students investigate the physical sciences (*Chemistry* and *Physics*) through hands-on, inquiry-based labs and activities, which help to establish problem-solving skills necessary for later science courses.

SC 309 - BIOLOGY

Credits: 1.0

Number of Semesters: 2

Grade Level: 9-12

Prerequisite(s): ICP in grade 8 or 9

This is a broad introduction to the fields of Biology. There is an emphasis on life at the cellular level because this is seen as the foundation to all fields within the subject. Students will also be introduced to the tremendous diversity of living organisms through studying microbiology, botany, zoology and ecology.

SC 308 - HUMAN ANATOMY AND PHYSIOLOGY

Credits: 1.0

Number of Semesters: 2

Grade Level: 11-12

Prerequisite(s): Biology

This course is designed for students interested in exploring the wonders of the human body, with a particular focus on, but not limited to, those considering careers in the Health Sciences. It emphasizes understanding the structures of the human body and their functions. Additionally, the course examines how disorders, including injuries and diseases, relate to normal body structure and function.

SC 321 - HONORS HUMAN ANATOMY AND PHYSIOLOGY

Credits: 1.0

Number of Semesters: 2

Grade Level: 11-12

Prerequisite(s): Biology avg 90+

Honors Human Anatomy & Physiology is designed for students who want a deeper understanding of the human body and targets students considering careers in the Health Sciences. While it covers the same foundational topics as the regular Anatomy course—focusing on the structures of the human body, their functions, and the relationship between disorders and normal physiology—Honors students will be held to a higher standard. Assessments will require not only a strong grasp of concepts, but also the ability to recall and apply more detailed information, challenging students to think critically and engage with the material at a more advanced level.

SC 307 - AP BIOLOGY

Credits: 1.0

Number of Semesters: 2

Grade Level: 10-12

Prerequisite(s): Biology avg 85+

AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes, energy and communication, genetics, information transfer, ecology, and interactions.

SCIENCE (continued)

SC 303 - CHEMISTRY

Credits: 1.0

Number of Semesters: 2

Grade Level: 10-12

Prerequisite(s): *Algebra 2 OR Honors Algebra 2 (completed or concurrent)*

Units in scientific methods, chemical energy and change are covered. The periodic table, the atom, and atomic structure, chemical reactions, and phases of matter are studied. The main focus throughout is on a conceptual understanding of the material.

SC 304 - AP CHEMISTRY

Credit: 1.0

Number of Semesters: 2

Grade Level: 11-12

Prerequisite(s): *Chemistry avg 85+; Algebra2 avg 85+ OR Honors Algebra2 avg 82+*

This *AP Chemistry* course is equivalent to a general chemistry course usually taken during the first year of college. Students will attain a depth of understanding of fundamentals and a reasonable competence in dealing with chemical problems. A college-level textbook is used in this class. Due to *College Board* requirements, there is the possibility that *AP Chemistry* students will occasionally need to stay after school (to 3:00pm) to finish a laboratory exercise. Prior notice will be given when an extended period is needed.

SC 314 - CONCEPTUAL PHYSICS

Credits: 1.0

Number of Semesters: 2

Grade Level: 10-12

Prerequisite(s): *ICP; Algebra 2 (completed or concurrent)*

Conceptual Physics is an introductory lab-based course in physics. Emphasis is placed on conceptual understanding and description of major principles of physics. The course focuses on science process skills and mechanics. Topics of study include Kinematics, Newton's Laws, Work & Energy, Momentum, Circular Motion, Electric Circuits and Electrostatics, Simple Harmonic Motion, Waves and Sound.

SC 315 - AP PHYSICS 1

Credit: 1.0

Number of Semesters: 2

Grade Level: 11-12

Prerequisite(s): *Conceptual Physics avg 85+; Pre-calculus (completed or concurrent)*

AP Physics 1 is the equivalent to a first-semester college course in Algebra-based Physics. The course covers 1D and 2D Kinematics, Dynamics and Forces, Work & Energy, Momentum, Circular Motion, Rotational Dynamics and Torque, and Simple Harmonic Motion. It uses a college level text.

SC 316 - AP PHYSICS 2

Credit: 1.0

Number of Semesters: 2

Grade Level: 11-12

Prerequisite(s): *Conceptual Physics avg 85+; Pre-Calculus (completed or concurrent)*

AP Physics 2 is the equivalent to a second-semester college course in Algebra-based Physics. The course covers Fluids, Thermodynamics, Electrostatics, DC and RC circuits, Magnetism, & Electromagnetism, Geometric and Physical Optics, and Quantum/Nuclear Physics. This course uses a college level text.

SCIENCE (continued)

SC 317 - FORENSICS

Credits: 0.5

Number of Semesters: 1

Grade Level: 10-12

Prerequisite(s): ICP in grade 8 or 9

Forensic Science is a course rich in exploration, inquiry and lab investigations; which applies the many disciplines of science such as biology, chemistry and physics to solve crimes. The scientific process and laboratory skills are emphasized along with forensic science connections to other scientific disciplines. Students will learn to use evidence-based reasoning and will have the opportunity to improve their reading, writing and math skills in this class. This is a collaborative, engaging class, with an emphasis on inquiry-based learning which leads to results and independent, creative, analytical thinking.

SC 320 - AP ENVIRONMENTAL SCIENCE

Credit: 1.0

Number of Semesters: 2

Grade Level: 11-12

Prerequisite(s): Any two non-concurrent lab sciences (such as Biology, Chemistry, Physics, and Anatomy)

AP Environmental Science is an interdisciplinary science course that unites concepts from geology, biology, environmental studies, chemistry and geometry, which is designed to be the equivalent of a one-semester, introductory college course in environmental science. The goals of this course is to provide students with an understanding of the interrelationships of the natural world, to identify and understand environmental problems (man-made and natural) and to evaluate solutions for resolving/preventing these problems. This course is a physical science that stresses scientific principles and analysis without relying as heavily on mathematics like *AP Chemistry* and *AP Physics*. There is a significant laboratory component that requires students to work outdoors.

SOCIAL STUDIES

SS 401 - WORLD GEOGRAPHY

Credits: 1.0

Number of Semesters: 2

Grade Level: 9 (required course)

Prerequisite(s): None

World Geography focuses on the relationship between physical geography and cultural or human geography. The five themes of geography (location, place, movement, regions, and human-environment interaction) are used as tools to study the regions of the world. Students will complete projects, write essays, and take tests to acquire and demonstrate their skills and knowledge. Students will practice reading, analyzing, and interpreting data represented in maps, charts, and graphs.

SS 402 - MODERN ERA HISTORY (OF THE WORLD)

Credits: 1.0

Number of Semesters: 2

Grade Level: 10-11 (required course or AP World History)

Prerequisite(s): *World Geography*

Modern Era History is a study of critical events and trends in the various regions of the world from the time of the Renaissance to the present. Students will gain understanding of the changing political, economic, social, and cultural landscape of the world's regions as well as the United States' role in the global community.

SS 403 - US HISTORY

Credits: 1.0

Number of Semesters: 2

Grade Level: 11-12

Prerequisite(s): *Modern Era History or AP World History*

US History is a study of the critical events and trends in the U.S. from 1865 to the present. Students will gain knowledge of the changing political, economic, social, and cultural landscape in the United States as well as the United States' role in the global community. Students will complete projects, write essays, and take tests to demonstrate their skills and knowledge.

SS 411 - SOCIOLOGY

Credits: 0.5

Number of Semesters: 1

Grade Level: 11-12

Prerequisite(s): *Modern Era History or AP World History*

Sociology examines how individuals, groups, and institutions interact to make up human societies. Students will learn about sociological perspectives, culture, social structures, and social inequality. Topics include: the family, education, political and economic institutions, religion, media and sport. Students will study people and the roles they play in society, both as individuals and groups.

SS 404 - GOVERNMENT

Credits: 0.5

Number of Semesters: 1 (Second Semester)

Grade Level: 11-12

Prerequisite(s): *Modern Era History or AP World History*

This one semester course will focus on the government of the U.S. but will also include the Thai Government and a survey of several other governments from around the world. Students will complete projects, write essays, and take tests to acquire and demonstrate their skills and knowledge.

SOCIAL STUDIES (continued)

SS 406 - AP WORLD HISTORY

Credits: 1.0

Number of Semesters: 2

Grade Level: 10-12

Prerequisite(s): *World Geography avg 85+ or another 1.0 credit Social Studies course(s) avg 85+; Grade 12 students must have taken Modern Era*

In this course, as stated in the *AP World History: Modern Course and Exam Description*, students investigate significant events, individuals, developments, and processes from 1200 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change over time. The course provides six themes that students explore throughout the course in order to make connections among historical developments in different times and places: humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation.

SS 408 - AP PSYCHOLOGY

Credits: 1.0

Number of Semesters: 2

Grade Level: 11-12

Prerequisite(s): *AP World History avg 82+ OR Modern Era History avg 85+ OR US History avg 85+; priority given to Grade 11 students*

AP Psychology introduces students to the systematic and scientific study of the behavior and mental process of people. Students will learn general knowledge related to the various approaches related to psychology and the subfields within the discipline. Students are given the opportunity to design their own experiments using modern psychological investigation techniques, to become familiar with the ethics and morality of human and animal research, and to emphasize scientific critical thinking skills in application to the social sciences.

This course is demanding and fast-paced, requiring the student to work independently and thoroughly during and, especially, outside of class. A large amount of technical reading and self-guided note taking is required. There are no specific prerequisites for this course. However, past overall academic records will be used to assess students when class size restraints are encountered. At ICS, juniors with a record of high academic achievement will be given first priority. Additional slots will be given to seniors with a proven record of high achievement should they be available.

SS 407 - AP COMPARATIVE GOVERNMENT

Credits: 1.0

Number of Semesters: 2

Grade Level: 11-12

Prerequisite(s): *Modern Era History or AP World History; previous year SS course avg 85+ or 80+ for AP; priority given to Grade 12 students*

In addition to covering the major concepts that are used to organize and interpret what we know about political phenomena and relationships, the course should cover specific countries and their governments. Six countries form the core of the *AP Comparative Government and Politics* course. China, Great Britain, Mexico, Nigeria, and Russia are all regularly covered in college-level introductory comparative politics courses. The inclusion of Iran adds a political system from a very important region of the world and one that is subject to distinctive political and cultural dynamics. The course moves the discussion of concepts from abstract definition to concrete example, noting that not all concepts will be equally useful in all country settings.

SOCIAL STUDIES (continued)

BU 105 - AP MICROECONOMICS

Credits: 0.5

Number of Semesters: 1

Grade Level: 11-12

Prerequisite(s): Hon Algebra 2 avg 82+ OR Alg 2 avg 85+

AP Microeconomics is an introductory college-level microeconomics course. Students cultivate their understanding of the principles that apply to the functions of individual economic decision-makers by using principles and models to describe economic situations and predict and explain outcomes with graphs, charts, and data as they explore concepts like scarcity and markets; costs, benefits, and marginal analysis; production choices and behavior; and market inefficiency and public policy.

BU 106 - AP MACROECONOMICS

Credits: 0.5

Number of Semesters: 1

Grade Level: 11-12

Prerequisite(s): Hon Algebra 2 avg 82+ OR Alg 2 avg 85+

AP Macroeconomics is an intro college-level macroeconomics course. Students cultivate their understanding of the principles that apply to an economic system as a whole by using principles and models to describe economic situations and predict and explain outcomes with graphs, charts, and data as they explore concepts like economic measurements, markets, macroeconomic models, and macroeconomic policies.

Non-Core Course Descriptions

BUSINESS

BU 100 - BUSINESS

Credits: 0.5

Number of Semesters: 1

Grade Level: 10-12

Prerequisite(s): None

Business presents students with an overview of core business topics including economics, operations, resources, structures, finance, trade, and currencies. Throughout the course students will design and develop a business plan that addresses the core functions of a business.

BU 104 - ENTREPRENEURSHIP

Credits: 0.5

Number of Semesters: 1

Grade Level: 10-12

Prerequisite(s): *Business (recommended)*

Entrepreneurship explores the foundational competencies and knowledge required to start and run a business in today's rapidly-evolving business landscape. Students will study the stages of entrepreneurship: Discover, Plan, Resource, Launch, and Harvest, followed by the study of pitching a business idea. Complement this course by also taking Business and Marketing.

BU 101 - MARKETING

Credits: 1.0

Number of Semesters: 2

Grade Level: 11-12

Prerequisite(s): *Business (recommended); Entrepreneurship (recommended)*

In *Marketing* students will explore the foundational elements of marketing such as communication. Throughout the year students will write and produce for the Students Incorporated podcast which explores the main topics of business, design, education and technology. Students will also learn about marketing tactics and other essential elements associated with marketing. Consider taking Marketing Design as a supplement to this course.

BU 102 - MARKETING 2

Credits: 1.0

Number of Semesters: 2

Grade Level: 12

Prerequisite(s): *Marketing; Teacher Approval*

In *Marketing 2*, students will build on their foundational marketing knowledge by delving deeper into advanced marketing strategies and techniques. Throughout the year, students will continue to contribute to the Students Incorporated podcast, enhancing their skills in content creation and production while exploring complex topics in business, design, education, and technology.

FA 577 - MARKETING DESIGN STUDIO

Credits: 0.5

Number of Semesters: 1

Grade Level: 10-12

Prerequisite(s): *Intermediate Art 2D; Digital Media (recommended)*

Marketing Design Studio is a semester-long, advanced-level Art and Design course that explores the practical applications of 2D Design in a Graphic Design context. It is an ideal course for students who are interested in practicing their artistic skills through the related field of visual communications. This course engages students with real-world design problems from a business setting and challenges them to develop practical solutions. In this course, students will develop a brand identity and visual communications strategy for a company they create as well as explore the software and skills necessary to be a Graphic Designer.

BUSINESS (continued)

BU 115 - ECONOMICS

Credits: 0.5

Number of Semesters: 1

Grade Level: 10-12

Prerequisite(s): None

Economics is designed to provide the student an understanding of the fundamental principles of economics and to equip the student with skills to live on their own. The course will cover the following: economic choice, market economies at work, monitoring and managing the economy, personal banking and budgeting. This course is a preparatory course for AP Microeconomics and AP Macroeconomics, but not a prerequisite.

BU 111 - PERSONAL FINANCE AND INVESTING

Credits: 0.5

Number of Semesters: 1

Grade Level: 11-12

Prerequisite(s): Algebra2

Personal Finance and Investing provides a rationale for saving, investing, and intentional financial planning. Students will learn about debt and equity; insurance; credit cards and student loans; rental vs. ownership; defining characteristics of certain asset classes; basics of various kinds of investments; and application of basic principles of investing. Aspects of the risks, the potential rewards, and the nature of various financial decisions are emphasized as students analyze and reflect about rational, honest, and honorable use of financial resources for application now and in the future.

BU 103 - ACCOUNTING

Credits: 0.5

Number of Semesters: 1

Grade Level: 11-12

Prerequisite(s): Algebra2

Accounting is geared toward students who are interested in pursuing a career in business, whether as employees or as business owners. The course will provide an introduction to fundamental concepts in accounting, finance, economics, and management, including: financial statements and basic accounting; the time value of money; quantitative methods; basics of macroeconomics; and corporate finance, including NPV and IRR. Students will be positioned to excel in future business courses that rely on such concepts. Moreover, they will be challenged to consider the personal aspects and impacts of business decisions.

COMPUTER SCIENCE

CT 701 - APPLIED TECHNOLOGIES

Credits: 0.5

Number of Semesters: 1

Grade Level: 9-12

Prerequisite(s): None

Applied Technologies explores a wide range of relevant and useful technologies used in today's digital society and economy. Students study the following units: Hardware, Software, Mobile Apps, Websites, Artificial Intelligence (AI), Data Science, and Citizens of Technology.

CT 702 - DIGITAL MEDIA

Credits: 0.5

Number of Semesters: 1

Grade Level: 9-12

Prerequisite(s): None

Digital Media explores digital content creation. Students will delve into four key areas: vector, raster, audio, and video. Through hands-on exercises and projects using industry-standard software, they will develop both their creative and technical skills. Students will be equipped to unleash their creative potential in the dynamic world of digital media.

CT 703 - FOUNDATIONS OF WEB DESIGN & PROGRAMMING

Credits: 0.5

Number of Semesters: 1

Grade Level: 9-12

Prerequisite(s): None (8th grade Robotics for grade 9)

1st Quarter: Introducing programming concepts such as writing algorithms and using loops

2nd Quarter: Introduction to Web Design using *Dreamweaver* and *Adobe Creative Suite*

CT 707 - ROBOTICS ENGINEERING

Credits: 0.5

Number of Semesters: 1

Grade Level: 9-12

Prerequisite(s): None (8th grade Robotics for grade 9); class limited to 10 students

Robotics Engineering is about learning robot mechanisms, dynamic, intelligent controls with different types of sensors, the principles of programming, physical science, and mathematics. *LEGO MINDSTORMS Education EV3 Core Set* (45544) robotics development kit will be the learning tool. This course will teach you how to write programs for *LEGO MINDSTORMS EV3* robots. The EV3 software is a powerful tool, and this course will teach you how to get the most out of it as you acquire the programming skills necessary to create your own programs. Two students will work as a team to design and construct working robotic systems in group-based projects. Robot movements and programming challenges will be given in each lesson. Projects and a final challenge will be run in a competition mode.

CT 706 - 3D DIGITAL ANIMATION

Credits: 0.5

Number of Semesters: 1

Grade Level: 9-12

Prerequisite(s): None

The course is a series of project-based lessons designed to guide students through the process of creating and generating 3D digital models and animations. This course introduces students to fundamental concepts, principles, and practices of 3D digital modeling and animation. Students are given instruction in 3D modeling and animation techniques including: production of geometric and organic surfaces and forms using NURBS, polygon construction, sub-divisional surfaces, texture mapping, adding visual effects and rendering.

COMPUTER SCIENCE (continued)

CT 708 - DATABASE CONCEPTS

Credits: 0.5

Number of Semesters: 1

Grade Level: 10-12

Prerequisite(s): None

This course introduces students to basic relational database concepts, including database management system (DBMS), data modeling concepts, building/mapping Entity Relationship Diagrams (ERDs), and the Structured Query Language (SQL) that is used to interact with a relational database and manipulate data within the database. MySQL (www.mysql.com), an open-source relational database management system (RDBMS), is used to provide practical, hands-on, engaging activities. Leveraging project-based learning techniques, students will create and work with projects which challenge them to design, implement and demonstrate a database solution. This course is suitable for computer science majors and non-majors alike, and targets students who:

- wish to learn the techniques and tools to design, build and extract information from a database
- possess basic mathematical, logical, and analytical problem-solving skills
- prefer to start learning the basis for the SQL programming language at an introductory level

CT 710 - AP COMPUTER SCIENCE A (Programming)

Credits: 1.0

Number of Semesters: 2

Grade Level: 10-12

Prerequisite(s): AP Comp Sci Principles

AP Computer Science A introduces fundamental topics such as problem-solving (imperative view and objective-oriented), data structures (organization of data), algorithms (approaches to process data), and ethical issues of computing. The course focuses on problem-solving and the use of Java programming language. Students will learn Java and use the language while working on exercises and designing solutions. Course contains 50+ hours structured lab experience to engage students in indiv & group-designed projects.

CT 711 – AP COMPUTER SCIENCE PRINCIPLES

Credits: 1.0

Number of Semesters: 2

Grade Level: 10-12

Prerequisite(s): Algebra 2 avg 85+ or Hon Algebra 2 avg 82+

In order to broaden participation in computer science, a multidisciplinary approach is used for learning the underlying principles of computation. The disciplines included in the course are the creative aspects of programming (creativity), abstractions, information and large data sets, algorithms, the Internet, cybersecurity concerns, and the global impacts of computing. Students will be introduced to the central ideas of computer science and then students need to develop the computational thinking vital for success across the multiple disciplines. The course also provides the opportunity to use current technologies to create computational artifacts for both self-expression and problem solving. *Python* and *Java* programming languages will be used in the course.

CT 712 – HONORS CYBER SECURITY

Credits: 0.5

Number of Semesters: 1

Grade Level: 12

Prerequisite(s): AP Comp Sci A; interview with instructor

If you want to learn how network security professionals protect their systems, take your network security knowledge to the next level, or get started as an ethical hacker, this course is for you. In this course, you will begin as a beginner with no previous knowledge about penetration testing or hacking. The first thing you will learn is how to install and use *Kali Linux* operating system and set up a virtual machine (*VMWare*), and then there is some necessary information about ethical hacking and the different fields in penetration testing. By the time you finish the course, you will know most penetration testing fields. It would help if you had a working understanding of *TCP/IP* and networking concepts. If you don't, you will be given some extra readings and assignments to complete within the first two weeks. You will need to bring your own laptop computer to the class and use it for the course.

FINE ARTS

FA 503 - THEATRE ARTS (1-4) and HONORS THEATRE ARTS (3-4)

Credits: 1.0

Number of Semesters: 2

Grade Level: 9-12

Prerequisite(s): *None to start; previous level*

Theatre Arts focuses on various aspects of performance, growing your confidence, and social-emotional development. This course is designed in a four-year cycle, so you can take multiple years of Theatre Arts and never repeat the same material twice. Theatre Arts focuses on the development of creativity, self-expression, and collaboration. This comprehensive program is designed to provide high school students with a rich and diverse foundation in theatrical arts, ensuring a holistic understanding of the craft. Each year, students will delve into new and exciting aspects of theatre, from learning fundamental acting techniques to advanced skill building and leadership training. In theatre we explore the depths of renowned methods such as Stanislavski and Laban, studying acting from the ancient times (Greek/Roman), to Shakespeare, to the modern day. Students will be required to participate and perform in various types of dramatic presentations: monologue, reader's theatre, improvisation, and stage performance.

In the Honors Theatre Arts programmes, students will also learn directing, organizational leadership, and delve deeper into researching different approaches to making theatre.

FA 515-518 – TECHNICAL THEATRE (1-2) and HONORS TECHNICAL THEATRE (3-4)

Credits: 1.0

Number of Semesters: 2

Grade Level: 9-12

Prerequisite(s): *None to start; previous level*

Tech Theatre 1 is an introduction to Technical Theatre. In Tech Theatre 1, students delve into the fundamental aspects of technical theatre. In this 1 year course we equip students with the skills to manage, design, construct sets and props, as well as learn the basics of event management and project management. At ICS, the students play a crucial role in the background during rehearsals and productions, our shows are run by the students. It's essential to note that there will be an additional time commitment after school hours, especially in the weeks leading up to school productions. This foundational course lays the groundwork for a deeper understanding of the technical aspects of theatre. Beyond the classroom, this course strengthens your collaboration skills, creativity, teaches students how to work to a deadline, and how to apply business and communication skills in real-life situations.

Tech Theatre 2 provides leadership training building upon the foundations laid in Tech Theatre 1. This course further hones students' skills in managing, designing, and building sets and props. In Level 2, students take on more responsibility and a higher workload as they rise into leadership and learn how to manage group work and lead a team. As in the introductory course, students actively contribute behind the scenes during rehearsals and productions. The additional time commitment after school hours remains a key component, ensuring students are well-prepared for the demands of live productions. These skills are transferable to work outside the theatre as students will build confidence in their leadership skills, time management, and creative output.

Honors Tech Theatre 3 and 4 is leadership in action. Honors Tech Theatre 3 is designed for students ready to take on leadership roles in specific aspects of theatre production. This course delves into advanced topics, including the stage and its equipment, materials and construction of scenic and property items, lighting, sound, rigging, design, and backstage logistics. Students in this Honors course not only engage in lectures but also benefit from hands-on learning experiences. Beyond the regular time commitment after school, honors students can expect additional homework, involving in-depth research and reflective exercises tailored to their chosen field within technical theatre.

Note: *As this class has almost no homework or tests like other classes, most of the homework is done on site at school. Therefore, students will spend significant time at school after the school day as estimated below.*

Level 1: 15-18 hours + show days, total estimated hours is 25-30 per semester

Level 2: 17-20 hours + show days, total estimated hours is 27-30 per semester

Level 3-4: 19-22 hours + show days, total estimated hours is 28-32 per semester

FINE ARTS (continued)

FA 519 - HONORS STAGE MANAGER

Credits: 1.0

Number of Semesters: 2

Grade Level: 10-12

Prerequisite(s): FA516 – 1 year minimum; personal application & interview with instructor; limited availability

The Honors Stage Management course is an exclusive opportunity extended to only a few students per year, selected based on their exceptional interest, motivation, and demonstrated capability in the field of theatre. This specialized program offers a unique and immersive experience for students to work closely with directors and actors, gaining invaluable insights into the art and craft of stage managing a production. Students will embark on a comprehensive exploration of stage management techniques and practices. From the initial stages of production to the conclusion of the run, participants will actively contribute to the success of plays, musicals, and immersive theatre productions. The curriculum places a particular emphasis on examining productions from the perspective of the stage manager, providing a holistic understanding of the role's intricacies. As an exclusive opportunity, the Advanced Stage Management course tailors its approach to the unique interests and goals of each student. The small class size facilitates personalized attention, ensuring that participants receive individualized guidance and mentorship from the instructor.

FA 505 - BAND (1-4) and HONORS BAND (3-4)

Credits: 1.0

Number of Semesters: 2

Grade Level: 9-12

Prerequisite(s): Minimum 1 years instrumental experience and instructor approval

Honors Prerequisite(s): Minimum 4 semesters experience in HS level ensemble and instructor approval.

Students will continue their musical journey by exploring harmonies and music that is technically challenging. Students are exposed to various styles of music including, but not limited to Jazz, Popular, Concert, Baroque, Classical, Romantic, and 20th Century music. Music history, theory, transposition, conducting, arranging, and improvisation are also part of the curriculum. Students perform in a minimum of two concerts per year, one at Christmas, and at the end of the school year. Students also provide music for the High School musical, support athletics with a pep band, play Christmas carols, and perform in the solo & ensemble recital.

FA 509 - ORCHESTRA (1-4) and HONORS ORCHESTRA (3-4)

Credits: 1.0

Number of Semesters: 2

Grade Level: 9-12

Prerequisite(s): Minimum 1 years instrumental experience and instructor approval

Honors Prerequisite(s): Minimum 4 semesters experience in HS level ensemble and instructor approval.

Students will further their musical education by exploring music that is technically, harmonically, and rhythmically challenging. Students will be exposed to various styles of music from the orchestral repertoire including but not limited to baroque, classical, romantic, and 20th century. Music theory, history, arranging, sight-reading, chamber music, and solo repertoire are also included in the curriculum. Throughout the year students will perform in two large ensemble concerts, the High School musical, the solo and ensemble recital, and a large group festival with other international schools. Students also have opportunities to provide background music for various events at school.

FA 507 - AP MUSIC THEORY

Credits: 1.0

Number of Semesters: 2

Grade Level: 10-12

Prerequisite(s): Ability to read music; Pre-test -may include prereq assignments based on score

During the yearlong course students will develop the ability to recognize, understand, and describe the basic materials and processes of the common practice era that are heard or presented in a score in various musical genres, achieved through development of aural skills, sight-singing skills, written skills, compositional skills, and analytical skills through listening, performance, written, creative, and analytical exercises. Topics covered include: intervals, triads, seventh chords, scales, modes, cadences, texture, phrase structure, melodic organization, form, harmonic function, figured bass, voice-leading, and Roman numeral analysis.

FINE ARTS (continued)

FA 501 – INTRO ART & DESIGN

Credits: 0.5

Number of Semesters: 1

Grade Level: 9-12

Prerequisite(s): None

Students will explore a wide variety of art media in this semester-long overview of the 'Elements of Art' & 'Principles of Design'. Through journaled mini-lessons, students will practice art studio habits to plan, create, refine and reflect on the art-making process.

FA 520 - INTERMEDIATE DRAWING & PAINTING

Credits: 0.5

Number of Semesters: 1

Grade Level: 9-12

Prerequisite(s): Intro Art & Design (or MS Art equivalent)

Intermediate Drawing is a semester-long course designed for students to explore two-dimensional media focusing on mark-making while continuing to incorporate the elements and principles of design. The class time will be used to study different mediums such as pencils, charcoal, watercolor paint, and acrylic paint. Special emphasis will be placed on drawing from observation. Students will gain a more extensive art-related vocabulary so that they can effectively discuss and write about the visual arts. Students evaluate others' work through classroom critique.

FA 521 - INTERMEDIATE 2D DESIGN

Credits: 0.5

Number of Semesters: 1

Grade Level: 9-12

Prerequisite(s): Intro Art & Design (or MS Art equivalent)

The *Intermediate Art 2D Design* course is a semester-long course designed for students who desire to further explore the world of the visual arts. The students will explore two dimensional media focusing on composition while continuing to incorporate the elements and principles of design. The class time will be used to further study different mediums such as pencils, charcoal, water color paint, and acrylic paint, but will also incorporate other mediums such as digital images, printmaking and photography. Special emphasis will be placed on the use of space within the design. Students will gain a more extensive art related vocabulary and evaluate each other's work through classroom critiques.

FA 522 - INTERMEDIATE 3D DESIGN

Credits: 0.5

Number of Semesters: 1

Grade Level: 9-12

Prerequisite(s): Intro Art & Design (or MS Art equivalent)

Intermediate 3D Design is a semester-long course designed for students who desire to further explore the world of the visual arts. Students will continue to explore three-dimensional media through the elements and principles of design, with special emphasis on the aspects specific to it such as form, texture, and space within the work. Class time will be used to explore several types of three-dimensional media - additive and subtractive sculpture, ceramics, industrial design, and found objects - and the creative concepts of scale, usability, experience, and engagement of physical space. Students will gain a more extensive art-related vocabulary and evaluate each other's work through classroom critiques.

FINE ARTS (continued)

FA 587 - ADVANCED ART STUDIO

Credits: 0.5

Number of Semesters: 1

Grade Level: 10-12

Prerequisite(s): *2 Intermediate Level Courses; Application*

Advanced Art Studio is a repeatable, self-directed studio art course for those students who have shown a high level of initiative and interest in the visual arts and wish to explore more advanced materials, techniques, and processes. Students apply for the course by developing a project proposal and plan of study that structure their learning for the semester. Research, experimentation, and design guide the creative process; while, regular deadlines, group critiques, and a strong emphasis on writing add an additional level of academic challenge

FA 577 - MARKETING DESIGN STUDIO

Credits: 0.5

Number of Semesters: 1

Grade Level: 10-12

Prerequisite(s): *Intermediate Art 2D; Digital Media (recommended)*

Marketing Design Studio is a semester-long, advanced-level Art and Design course that explores the practical applications of 2D Design in a Graphic Design context. It is an ideal course for students who are interested in practicing their artistic skills through the related field of visual communications. This course engages students with real-world design problems from a business setting and challenges them to develop practical solutions. In this course, students will develop a brand identity and visual communications strategy for a company they create as well as explore the software and skills necessary to be a Graphic Designer.

FA 523 - AP ART & DESIGN STUDIO

Credits: 1.0

Number of Semesters: 2

Grade Level: 11-12

Prerequisite(s): *85+ in 3 HS Art Courses; Application; Final teacher approval; Course can be repeated*

AP Art & Design is a year-long course that presents an inquiry-based approach to learning about and making art. Students are expected to conduct an in-depth, sustained investigation of materials, processes, and ideas. The framework focuses on concepts and skills emphasized within college art and design foundations courses with the same intent: to help students become inquisitive, thoughtful artists and designers able to articulate information about their work. AP Art and Design students develop a portfolio of work to submit to the College Board and apply skills of inquiry and investigation, practice, experimentation, revision, communication, and reflection.

FOREIGN LANGUAGE

FL 601 - SPANISH 1

Credits: 1.0

Number of Semesters: 2

Grade Level: 9-12

Prerequisite(s): None

Spanish 1 is an entertaining introductory course that provides unique challenges to students. The course emphasizes basic communication skills through development of good pronunciation, acquisition and learning of basic phrases and essential vocabulary, and review of supporting grammatical structures. Students learn to listen, speak, read, and write in Spanish at an elementary level. Regular participation allows students to get off to a good start in their journey learning Spanish.

FL 602 - SPANISH 2

Credits: 1.0

Number of Semesters: 2

Grade Level: 10-12

Prerequisite(s): *Spanish 1 (or MS equivalent Spanish 8)*

Spanish 2 is the follow-up course to *Spanish 1*. The learning of vocabulary in context is still emphasized, and students are expected and encouraged to communicate regularly using Spanish. Students are expected to be adept at using the present tense while they expand their communicative abilities by learning the preterite and imperfect tenses. The subjunctive mood will be introduced. Students will have weekly assignments that emphasize at least one of the four skills.

FL 603 - HONORS SPANISH 3

Credits: 1.0

Number of Semesters: 2

Grade Level: 11-12

Prerequisite(s): *Spanish 2 avg 90+; teacher exam*

Honors Spanish 3 is the follow-up course to *Spanish 2*. The move from *Spanish 2* to *Honors Spanish 3* is significant, requiring the student to learn vocabulary more independently while using well-rounded knowledge of the language to communicate in a variety of settings, including but not limited to video-recordings, essays, projects, and in-class presentations. Students are expected to grow in their self-discipline and autonomy in their language learning as they participate in class & help others advance to the next level.

FL 604 - AP SPANISH

Credits: 1.0

Number of Semesters: 2

Grade Level: 12

Prerequisite(s): *Honors Spanish 3 avg 82+; teacher exam*

AP Spanish is the follow-up course to *Honors Spanish 3*. It is a university level course, and as such, students are required to speak Spanish in class almost exclusively. In-class participation is crucial. Preparation for the *AP Spanish* exam includes but is not limited to writing familiar and formal emails, recording directed conversations, answering listening and reading comprehension questions, comparing cultures from Spanish-speaking countries, and writing analytical essays based on various sources. Through these activities and assessments, diligent students who successfully persevere through the challenges will be prepared to use Spanish in a wide variety of contexts.

FL 411-412, 414-415 - THAI LANGUAGE SPEAKING and THAI LANGUAGE WRITING 1, 2 and 3

Credits: 1.0

Number of Semesters: 2

Grade Level: 9-12 (*Writing 2- 10-12*)

Prerequisite(s): *Internationals (non-Thai) only; acceptance based on spring assessment; instructor approval*

Non-Thai students begin to learn basic Thai language conversational skills, study the Thai alphabet and practice reading simple words and sentences. Students will practice listening and interpreting the Thai language.

Thai Language for International Writing is a continuation of the *Speaking* class. Students continue to build Thai vocabulary by speaking, writing and practice reading simple stories in the Thai language. Level 2 will continue these skills. Writing 1 must be taken before Writing 2.

FOREIGN LANGUAGE (continued)

FL 621-622 - MANDARIN 1 and 2

Credits: 1.0

Number of Semesters: 2

Grade Level: 9-12

Prerequisite(s): See below. If you have never taken Mandarin at ICS before, please arrange a placement test with Ms Jing.

Mandarin 1 is an introductory course that exposes students to the Mandarin language through speaking, vocabulary, writing, etc. No prerequisite is required.

Mandarin 2 is a continuation of the introductory course. Prerequisite: Mandarin 1 (or MS equivalent Mandarin 8); instructor recommendation.

FL 623 - HONORS MANDARIN 3

Credits: 1.0

Number of Semesters: 2

Grade Level: 9-12

Prerequisite(s): Mandarin 2 avg 90+; teacher exam

This advanced level course exposes students to the Mandarin language through speaking, vocabulary, writing. Students are graded using an Honors Scale.

FL 624 - AP MANDARIN

Credits: 1.0

Number of Semesters: 2

Grade Level: 10-12

Prerequisite(s): Honors Mandarin 3 avg 82+; teacher exam

AP Mandarin is a follow-up course to *Honors Mandarin 3*. Students will continue to learn new vocabulary in context but greater emphasis will be given to both reading and writing. Excerpts from advanced readings are studied with discussions based on ideas, style, and cultural concepts. Most discussions are held in the target language, and composition is an integral part of the course. Advanced grammar structures will periodically be reviewed as needed. Students may be able to receive AP course status on their ICS transcript and possible college credit if they successfully pass the AP exam.

FL 631-632 - FRENCH 1 and 2

Credits: 1.0

Number of Semesters: 2

Grade Level: 9-12

Prerequisite(s): See below

French 1 is an introductory course that exposes students to the French language through speaking, vocabulary, writing, etc. No prerequisite is required.

French 2 is a continuation of the introductory course. Prerequisite: French 1 (or MS equivalent French 8); instructor recommendation.

FL 633 - HONORS FRENCH 3

Credits: 1.0

Number of Semesters: 2

Grade Level: 11-12

Prerequisite(s): French 2 avg 90+; teacher exam

This is the advanced level course in French. Students will be exposed to the French language through speaking, vocabulary, writing, etc and be graded using an Honors Scale.

FOREIGN LANGUAGE (continued)

FL 634 - AP FRENCH

Credits: 1.0

Number of Semesters: 2

Grade Level: 11-12

Prerequisite(s): *Honors French 3 avg 82+, teacher exam; or with teacher approval*

AP French is a follow-up course to *French 3*. The students will continue to learn new vocabulary in context, but greater emphasis will be given to both reading and writing. Excerpts from literary works of a variety of authors are studied with discussions based on ideas, style, and cultural concepts. Most discussions are held in the target language, and composition is an integral part of the course. Advanced grammar structures will periodically be reviewed as needed. Students may be able to receive college credit if they successfully pass the AP exam.

ELECTIVES

FA 502 - SPEECH

Credits: 0.5

Number of Semesters: 1

Grade Level: 9-12

Prerequisite(s): *None*

Students in *Speech* will receive instruction and practical experience in the following areas: vocal delivery, body language, eye contact, and reading audience feedback. They will use these skills while delivering the following types of speeches: persuasive, inspirational, monologue, oral interpretation, memorization, storytelling, and group. Skills in small group communication will also be taught. They will also participate in formal debate, while learning argumentation. This course can be taken only once.

MC 408 - TEACHER AIDE (ALSO KNOWN AS OFFICE AIDE AND TA)

Credits: 0.5

Number of Semesters: 1

Grade Level: 9-12

Prerequisite(s): *Counselor approval; course can be repeated for a maximum of 2 semesters*

The TA program at ICS provides opportunities for students to help teachers and office staff. Through this service-related course, students can develop character and work skills such as serving, word processing, creating, copying, taking inventory, and assisting the classroom teachers with students. Students also have the option to work with ICS Life Skills students as a "Link". This requires an application and 2 teacher recommendations. This course can be taken more than once for a grade and course credit.

MC 901 - YEARBOOK

Credits: 1.0

Number of Semesters: 2

Grade Level: 10-12

Prerequisite(s): *None; course can be repeated; limited class size*

In this course, students will create a yearbook that includes the entire school. They will develop skills involving photography, graphic design, book and ad sales, writing and editing copy, and often leadership.

MC 407 – GUIDED STUDIES

Credits: 0.0

Number of Semesters: 1

Grade Level: 9-12

Prerequisite(s): *None*

Some schools refer to *Guided Studies* as *Study Block/Hall*. Either way, *Guided Studies* is an empty block that appears in a student's class schedule – with NO assignments or grade or course credit. Most students use the extra time to work on other course assignments and/or study for upcoming tests in other blocks.

Attendance is mandatory so students must check in with their *Guided Studies* teacher at the beginning of the block. Since there is no course credit, this course choice does not appear on the ICS semester report card or transcript.

MC 405 - ACADEMIC STUDIES

Credits: 0.5

Number of Semesters: 1

Grade Level: 9-12

Prerequisite(s): *Students on Academic Probation and/or referred by Instructor*

Academic Studies is an opportunity for students to study and work on assignments during the school day. The student will work closely with the Learning Support instructor. Attendance is required.

ELECTIVES (continued)

CP 412 - SENIOR TRANSITION

Credits: 0.5

Number of Semesters: 1

Grade Level: 12

Prerequisite(s): None

The Senior Transition course will create a clear and defined space for students to go through the process of preparing for their next step after high school. The course will dig into the stage of life students are entering (emerging adulthood), transition theory, and give space for emotional, spiritual, and practical preparation for these changes.

FL 614 - THAI LANGUAGE 1

Credits: 1.0

Number of Semesters: 2

Grade Level: 9

Prerequisite(s): *Thai Nationals required to take a Thai class*

In this course the students will be taught to listen, speak, read and write by listening to the various kinds of messages and stories. They will learn to speak and expound in public places, on various occasions and in any discussions. They will also learn to recite both prose and poem, read the various kinds of literature, and recite favorite poems. Furthermore the student will learn to write many forms of reports, tell stories, write essays, summarize articles, write business letters, write unsealed letters for mass media, write telegraphs, make announcements, write invitation letters, interpret poems, and compose literary work. The student will learn about grammar, word grouping, word structure, and complicated sentences. Also they will learn how to distinguish Thai words and words whose roots come from other languages and the royal language. They will learn how to spell words correctly in order to read and listen critically. They will learn to express insightful comments and analyze stories reasonably. They will learn how to speak and write clearly, correctly and appropriately. They will learn how to express themselves creatively both in speaking and writing.

FL 616 - THAI LANGUAGE 2

Credits: 1.0

Number of Semesters: 2

Grade Level: 10

Prerequisite(s): *Thai Nationals required to take a Thai class*

The students will learn to listen, speak, read and write by listening to the various stories and the news from both people and the media. Also the students will learn how to speak interpersonally and to speak in groups at both formal and informal events. The student will read nonfiction and fiction in the form of both prose and poem, and describe or summarize stories in many forms for the purpose of understanding the substance by using Thai language speedily and fluently. Furthermore the students will learn how to distinguish facts from comments and utilize the Thai language appropriately. The students will express the comments about the stories and use language politely and in the proper situations. The students will gain an appreciation for the value and the beauty of Thai language.

FL 618 - THAI LANGUAGE 3

Credits: 1.0

Number of Semesters: 2

Grade Level: 11

Prerequisite(s): *Thai Nationals required to take a Thai class*

In this course the students will learn to listen, speak, read and write in various forms of complicated articles with emphasis on analyzing the substance and using the Thai language in the compact, clear and proper way. The students will learn how to use critical language reasonably, effectively, politely and appropriately in all situations. The students should appreciate the value and the beauty of the Thai language.

ELECTIVES (continued)

FL 620 - THAI LANGUAGE 4

Credits: 1.0

Number of Semesters: 2

Grade Level: 12

Prerequisite(s): *Thai Nationals required to take a Thai class*

In this course the students will learn to listen, speak, read and write in various patterns that are much more complicated and emphasize conciseness with well-arranged language that carries the meaningful thought. The students can choose words or idioms properly with the substance and thought, using language politely and properly. The students should appreciate the value and the beauty of the Thai language.

SC 318 - ENGINEERING DESIGN FOUNDATIONS

Credits: 1.0

Number of Semesters: 2

Grade Level: 10-12

Prerequisite(s): **Geometry**

The purpose of *Engineering Design Foundations* is to help students develop critical thinking and creative skills by studying and solving problems like those faced everyday by engineers. The class includes an overview of the history of engineering and the many disciplines that make up this field. Other topics include the design of everyday objects, engineering ethics, and the design process. Students learn to represent their ideas with pen and paper and gain fluency in Computer Aided Design as they work together in project teams.

SC 319 - HONORS ENGINEERING DESIGN APPLICATIONS

Credits: 0.5

Number of Semesters: 1

Grade Level: 11-12

Prerequisite(s): *Engineering Design Foundations; course can be repeated*

In *Engineering Design Applications* students review the types of engineering and pick their preferred types. They learn skills in these types of engineering to a deeper level than in Engineering Design Foundations. They will then become "Engineers on Campus" and interview the community to identify problems that need to be solved, related to their chosen type of engineering. They will propose solutions, gain feedback, revise solutions, create the solution product, gain feedback on the product, and reflect on the process.

PHYSICAL EDUCATION-HEALTH

PE 810 - TEAM SPORTS

Credits: 0.5

Number of Semesters: 1 (First and/or Second)

Grade Level: 9-12

Prerequisite(s): *None; course can be repeated*

Team Sports is an introduction to team sports. In this course, students will learn the basics of several different sports such as American football, soccer, basketball, softball, volleyball, handball and others. Emphasis will be placed on learning the basic skills needed to play each game and the basic rules of each sport. Basic movement skills involved in the course will include throwing and catching, dribbling, passing, and shooting. We will also learn how to properly warm up and cool down for different sports, emphasizing the key muscles that will be used while playing each game. In addition, SMART goal setting will play an important role in the course, and pre- and post-assessments will be tailored to each individual student, depending on the goals they set.

PE 819 - TARGET AND LEISURE GAMES

Credits: 0.5

Number of Semesters: 1 (First and/or Second)

Grade Level: 9-12

Prerequisite(s): *None; course can be repeated*

In many social circles for all ages, “*Target and Leisure Games*” are played as a low-pressure way to connect and have fun. This class will expose the students to this style of games, which are very different from more traditional team sports. It will also provide physical benefits such as improving accuracy, coordination, formulating and implementing a strategy, teamwork, which can be applied in other games and sports. Students will also create their own leisure/target game, including rules, objectives, equipment needed, and procedures. Through discussion questions and other interpersonal activities students will connect with classmates, get to know each other, and develop transferable soft skills such as active listening, communication, and relationship building.

PE 811 - PERSONAL FITNESS

Credits: 0.5

Number of Semesters: 1 (First and/or Second)

Grade Level: 9-12

Prerequisite(s): *None; course can be repeated*

Personal Fitness is designed to teach students about holistic and individualized personal fitness. Course content will cover different methods of aerobic and body weight-focused exercise, nutrition for maintaining a proper level of fitness, and other ways to promote an overall healthy lifestyle. Students will be taken through a process of designing their own workout and fitness plans and routines, which involve proper warm-ups, workouts, cool-downs, nutrition plans, and more. In addition, students will have the chance to practice organization and leadership skills by leading their fellow students in self-created workout plans. Students will also regularly set and assess themselves on short-term and long-term goals, in the interest of empowering them to be disciplined and pursue a fit lifestyle well into the future.

PE 817 - LIFEGUARDING

Credits: 0.5

Number of Semesters: 1

Grade Level: 10-12

Prerequisite(s): *Basic swimming skills; instructor recommendation*

The purpose of the *American Red Cross Lifeguarding* course is to provide entry-level lifeguard participants with the knowledge and skills to prevent, recognize and respond to aquatic emergencies and to provide care for breathing and cardiac emergencies, injuries and sudden illnesses until emergency medical services (EMS) personnel take over. At the end of the course students will receive certification in Lifeguarding, CPR, and First Aid.

RELIGIOUS STUDIES

SS 410 - JUDEO-CHRISTIAN HISTORY AND LITERATURE 1 (ALSO KNOWN AS JCHL1)

Credits: 0.5

Number of Semesters: 1 (First Semester)

Grade Level: 10-11

Prerequisite(s): None

The first part of this course surveys the history of Judaism leading up to the birth of Christ. Using the *New International Version (NIV)* of the Old Testament, we explore how God chose and related to the Jewish people, and discuss what bearing they have on us today.

SS 420 - JUDEO-CHRISTIAN HISTORY AND LITERATURE 2 (ALSO KNOWN AS JCHL2)

Credits: 0.5

Number of Semesters: 1 (Second Semester)

Grade Level: 10-11

Prerequisite(s): JCHL 1

The second semester of JCHL surveys the history of Christianity beginning with the 400 years of silence leading to the birth of Jesus and on through the writings of his disciples. We will review how Jesus fulfilled the law and prophecies of the Old Testament. Using the New Testament, we will examine the person, the words and the works of Jesus and discuss what bearing and impact they have on us today.

SS 415 - WORLD RELIGIONS

Credits: 0.5

Number of Semesters: 1 (First Semester)

Grade Level: 11-12

Prerequisite(s): JCHL 1; JCHL 2

This course will serve as a comparative introduction to the primary world religions including Buddhism, Christianity, Hinduism, Islam, Judaism, and Sikhism. Students will examine each religion's primary teachings and their worldview as they relate to the modern world.

SS 409 - PHILOSOPHY AND WORLDVIEW

Credits: 0.5

Number of Semesters: 1 (Second Semester)

Grade Level: 11-12

Prerequisite(s): JCHL 1; JCHL 2

Philosophy & Worldview will challenge students as they examine philosophical questions of epistemology, ethics, logic, cosmology, ontology and theology. The course will address the student's understanding of truth and metaphysical reality. Students will examine various philosophies, analyze them and begin to formulate their own philosophy regarding the deeper questions about life.