



Tartan High School

2023-2024 Course Registration Handbook



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General Information

Administration

Ms. Bethany DeCent, Principal	651-702-8610
Mr. Sterling Brown, Assistant Principal	651-702-8609
Mr. Junior Eugene Assistant Principal	651-702-8613
Ms. Diana Morton, Assistant Principal	651-702-8611
Mr. Brad Dahedl, Associate Administrator	651-702-8612
Mr. Bryan Munter, Activities Director	651-702-8620

School Counselors

Ms. Laurel Molin (A-D)	651-702-8730
Ms. Tracy Caruso (E-J)	651-702-8631
Ms. Heather Vranicar (K-N)	651-702-8633
Ms. Tori Walsh (O-Te)	651-702-8636
Ms. Amy Knutson (Th-Z)	651-702-8632

Grading

Students' transcripts show two sets of grade point averages (GPA), class ranks, and percentiles. One set is **unweighted** and the other is **weighted**.

Unweighted Grades

The majority of Tartan's classes carry unweighted grades. These grades are calculated on a 4.0 grading system.

The unweighted grades section of the transcript shows the students' GPA, rank, and percentile with all grades bearing equal weight.

A	4.0	C	2.0
A-	3.67	C-	1.67
B+	3.33	D+	1.33
B	3.0	D	1.0
B-	2.67	D-	0.67
C+	2.33	F	0.0

Weighted Grades

Advanced Placement (AP), College in the Schools (CIS), and PSEO (Post Secondary Enrollment Options) courses carry weighted grades.

Instead of the traditional unweighted 4.0 grading scale, courses are graded on a 5.0 scale. For example, an A in an AP, CIS, or PSEO course will carry a weight of 5.0 instead of 4.0.

A	5.0	C	3.0
A-	4.67	C-	2.67
B+	4.33	D+	2.33
B	4.0	D	2.0
B-	3.67	D-	1.67
C+	3.33	F	0.0

The weighted section of the transcript shows the students' GPA with AP, CIS, or PSEO courses weighted on a 5.0 scale and the rest of the course weighted on a 4.0 scale.

Minimum Enrollment

Students must register for 18 credit bearing courses. Students must maintain enrollment in 4 credit bearing courses during each trimester. Additional non-credit bearing courses for juniors and seniors can include Study Hall, late arrival, or early release.

Course Cancellation

Students should be aware that there is a possibility that some courses listed in the registration guide may be canceled due to low enrollment or staff shortages. In the instance that a course is canceled, students' alternate course selections will be utilized to complete their schedules.

Priority Enrollment

In some instances, more students register for a course than can be accommodated in one classroom, but there are not enough students registered to add an additional section of that course. In that case, decisions will be made about which students will be admitted into the course. Generally, upperclassmen will have first priority, especially for classes that are required for graduation.

Off-Campus Courses

Students who are applying for acceptance to off-campus courses, such as PSEO and 916, should register for 18 credits at Tartan. Decisions about acceptance to off campus programs are not made until after Tartan registration is complete. If a student is accepted into an off-campus program, their registration and schedule will be changed accordingly. Once the master schedule has been created, it is always easier to take Tartan courses out of a student's schedule to accommodate off-campus courses than to add courses to a student's schedule if they are not accepted into an off-campus program.

Academic Options

Advancement Placement (AP)

College Board's Advanced Placement (AP) courses are offered as an opportunity for students to engage in rigorous, college-level coursework while in high school and potentially earn college credit. Many colleges and universities in the United States accept AP credits. Students in AP courses take a comprehensive exam in May and can earn college credit from participating colleges if students earn a 3 or higher on their exams. There is a fee for each exam. Students qualifying for Educational Benefits pay a reduced fee. AP course grades are weighted according to Tartan's weighted grading scale. The following AP courses are offered at Tartan:

Art	STEM
<ul style="list-style-type: none"> •AP Studio Art Drawing •AP Studio Art 2-D Design •AP Studio Art 3-D Design 	<ul style="list-style-type: none"> •AP Calculus AB •AP Calculus BC •AP Chemistry •AP Chemistry II •AP Computer Science A •AP Computer Science Principals •AP Physics I •AP Statistics
English	
<ul style="list-style-type: none"> •AP English Language & Composition •AP Literature & Composition 	
Social Studies	
<ul style="list-style-type: none"> •AP Human Geography •AP United States History •AP World History 	

Post Secondary Enrollment Options (PSEO)

PSEO allows 10th, 11th, and 12th grade students to attend college part- or full time for both high school and college credit. Students must meet the PSEO admission requirements of the college or university that they are interested in attending. Admission requirements vary by colleges as do admission deadlines. Applications are typically available in the spring and can be obtained online at the colleges' and universities websites. Students, along with parents/guardians, interested in PSEO should attend the annual PSEO information session held in February, then apply directly with the college and/or university. Once admitted, students will need to schedule a meeting with their counselor to discuss scheduling, Tartan PSEO procedures, and ensure PSEO course selection meets the requirements of graduation.

622 Online Classes

Students may choose to enroll in online courses as a part-time student, taking both online and in person classes at Tartan or North High School, or a full-time student at 622 Online High School. Students enrolling in online courses achieve the same learning objectives as a traditional classroom, but within a virtual instructional model. Expectations for online learning include synchronous (live) learning opportunities with a 622 licensed teacher and daily lesson completion and participation in the course through Schoology, our district learning management system.

Concurrent Enrollment

Tartan High School offers concurrent enrollment in conjunction with the University of Minnesota and Century College. Successful completion of these courses, which are taken at Tartan, results in credit being awarded on a college transcript. The following courses are offered at Tartan:

- College Algebra Through Modeling
- French
- Macroeconomics
- Microeconomics
- Spanish
- Multivariable Calculus
- Entrepreneurship
- Speech
- United States Government & Politics

Articulated Courses

10th, 11th, and 12th grade students enrolled in specific courses may be eligible to earn college credit. If students successfully complete the specified courses and enroll in at least one course at the institution granting the articulation agreement after high school, they will receive credit for the specified courses completed at Tartan High School. The following courses may have articulation agreements:

- | | |
|--|-----------------------------|
| Photography 1 | Intro to Word Processing |
| Video Production 1 | Advanced Word Processing |
| Video Production 2 | MS Office for Coll& Bus |
| Graphic Arts | Web Page Design |
| Intro to Foods | Accounting 1 |
| Advanced Foods | Sports & Entertainment Mgmt |
| Culinary Arts (Prostart) | Finance and Investing |
| Pastry and Baking | Intro to Business |
| Child Dev 1 | Entrepreneurship |
| Child Dev 2 | Professional Selling |
| Child Dev 3 | Personal Finance |
| Housing and Interior Design 1 | DECA Seminar |
| Woodworking Tech 2 | BPA or DECA Internship |
| Woodworking Tech 3/Intro to Cabinet making | |

Northeast Metro Career and Technical Center (916)

Northeast Metro Career and Technical Center courses, also known as 916 courses, are available to 11th and 12th grade students. 916 courses are high school courses that are taken at Century College during the first two periods of the day for the entire school year, earning two elective credits each trimester. Students must apply for acceptance into a class in a specific career; applications can be found electronically during the registration window in January. Space is limited, so interested students are encouraged to apply early. Transportation is provided, or students may provide their own transportation.

Registration

Online Registration Procedure

1. Log on to www.isd622.org/campusstudent
2. Click on **Campus Student Login**
3. Enter your login information
4. Click on **Course Registration: Tartan High 23-24**
5. Click on **Add Course**
6. Begin to type in the course number or course name, including any zeros.
7. Click **“+” to add course or a request.**
8. Repeat these steps until you have registered for 18 credits. It will show in the corner as 86% complete (18/21). This is a full schedule.
9. If you choose an incorrect course or want to change a course, click **Delete Request.**
10. To request alternate courses (all students are required to request at least 5), follow the above steps, but click on **Add Alternate.**

Timeline for 2023-24 registration

Throughout this timeline, School Counselors will join English classes at Skyview and Tartan to support students.

Monday, January 9

Registration opens for all students
9th - 11th grade registration presentations at Tartan

Wednesday, January 11

9th Grade/New Student Open House
Tartan High School 5:30pm-7:30pm

Tuesday, January 10

8th grade registration presentations at Skyview

Wednesday, January 18

8th grade registration forms due (Skyview)

Friday, January 20

Online registration window closes for all students

Schedule Changes

Students are able to view schedules through Infinite Campus Student Portal. Any request for a schedule change must be through the online schedule change form and completed within the first week of the trimester. Changes will be processed as they are received and all changes will be final within the first 10 days of the trimester. Students are required to check their school email and portal for updates regarding their schedule. Only in certain situations can a schedule be changed. Courses dropped after the first 10 days of the trimester may result in loss of academic credit and/or academic penalty. No drops will be considered after the first grading period.

Appropriate reasons for a schedule change:

- * Prerequisites that have not been fulfilled
- * Medical need (requires official documentation)
- * Acceptance into an alternate academic program (PSEO, 916, DECA, etc.)
- * Replace an elective to be a TA (on track Juniors and Seniors only)

Not all requests for schedule changes can be honored. Examples of requests NOT honored are:

- * Specific teacher request
- * Desire to have class at a certain time of the day
- * Desire to have a certain lunch schedule
- * Student changed their mind

*AP courses are college-level curriculum and require a full school year commitment. Students self select their participation and should be ready for the rigors of the class. Students will not be allowed to drop an AP course unless criteria for a schedule change is met.

Graduation Requirements

SUBJECT	CREDITS NEEDED
Language Arts English 9, English 10, English 11, Writing Elective, Language Arts Electives	12
Social Studies Social Studies 9, World History, US History, Economics, Political Science	10
Mathematics Intermediate Algebra, Geometry, Algebra II with Trigonometry	9
Science Earth & Space Science, Biology, Chemistry, or Physics	9
Health Health I	1
Physical Education Fitness for Life	1
The Arts See chart below	2
Electives	22
Total credits to graduate	66

The following courses are approved as The Arts credits meeting the graduation requirement.

Art

- Studio Art I
- Studio Art IIA (Drawing)
- Studio Art IIB (Painting)
- Studio Art III
- Sculpture
- Sculpture II
- Jewelry
- Photography I
- Photography II
- Graphic Arts I
- Graphic Arts II
- Video Production I
- Video Production II
- AP Studio Art: Drawing
- AP Studio Art: 2-D Design
- AP Studio Art: 3-D Design

Music

- Varsity Band
- Concert Band
- Jazz Ensemble
- Varsity Choir
- Concert Choir
- Guitar I
- Guitar II
- Guitar III
- Guitar IV
- Rock Band 101
- Music in Our Lives
- World Drumming

Course Planning Worksheet

Freshman Year			
	Trimester 1	Trimester 2	Trimester 3
1	English 9	English 9	English 9
2	Mathematics	Mathematics	Mathematics
3	Earth & Space Science	Earth & Space Science	Earth & Space Science
4	Social Studies 9/ AP Human Geography	Social Studies 9/ AP Human Geography	AP Human Geography
5	Fitness for Life	Health	
6	The Arts		
Sophomore Year			
	Trimester 1	Trimester 2	Trimester 3
0			
1	English 10	English 10	English 10
2	Mathematics	Mathematics	Mathematics
3	Biology	Biology	Biology
4	World History/AP World History	World History/AP World History	World History/AP World History
5	The Arts		
6			
Junior Year			
	Trimester 1	Trimester 2	Trimester 3
0			
1	English 11	English 11	English 11
2	Mathematics	Mathematics	Mathematics
3	Chemistry/Physics	Chemistry/Physics	Chemistry/Physics
4	U.S. History/AP U.S. History	U.S. History/AP U.S. History	U.S. History/AP U.S. History
5			
6			
Senior Year			
	Trimester 1	Trimester 2	Trimester 3
0			
1	English Elective/ AP Literature and Composition	English Elective/ AP Literature and Composition	AP Literature and Composition English Writing Elective
2	Political Science/CIS Political Science	Economics/CIS Macroeconomics	
3			
4			
5			
6			

Career Pathways and Planning

Discover your interests • Explore the opportunities • Plan your pathway



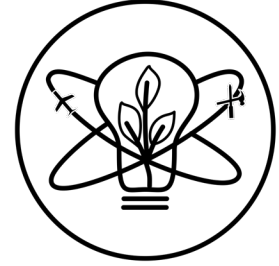
Arts &
Communications



Business



Education,
Health & Human
Services



STEM &
Environment

Visit the Tartan Career Pathways and Planning webpage at www.isd622.org/tartancareerpathways or by scanning the QR code.



NCAA

College-bound student-athletes who are interested in playing sports at the college level for an NCAA Division I or II school should pay close attention to NCAA requirements. College-bound student-athletes who do not meet NCAA requirements may be denied scholarship money and/or the right to play at the college level. Each college-bound student-athlete who wishes to participate in NCAA athletics is ultimately responsible for ensuring that he or she is eligible to play.

Core Courses

NCAA Division I and II require college-bound student-athletes to complete 16 core courses which will be used in the calculation of students' core GPA. Student-athletes must complete at least 10 of their core courses prior to the seventh semester of high school. **Students should consult with their school counselor to ensure that they are taking the proper courses.**

Informational Meeting

Each fall, the Activities Office holds an NCAA informational meeting that prospective college-bound student-athletes should attend.

Approved Courses

NCAA maintains a list of approved Tartan High School courses that meet the core course requirements. This list can be found at www.ncaa.org/student-athletes/future. Click on core courses, then "Find Your High School's list of NCAA Core Courses". Type in Tartan's 6-digit CEEB/ACT code: **242327**. A list of all current approved Tartan courses will appear. Please note that not all Tartan courses have been approved by NCAA and therefore cannot be counted as core courses when determining NCAA eligibility.

Additional Information

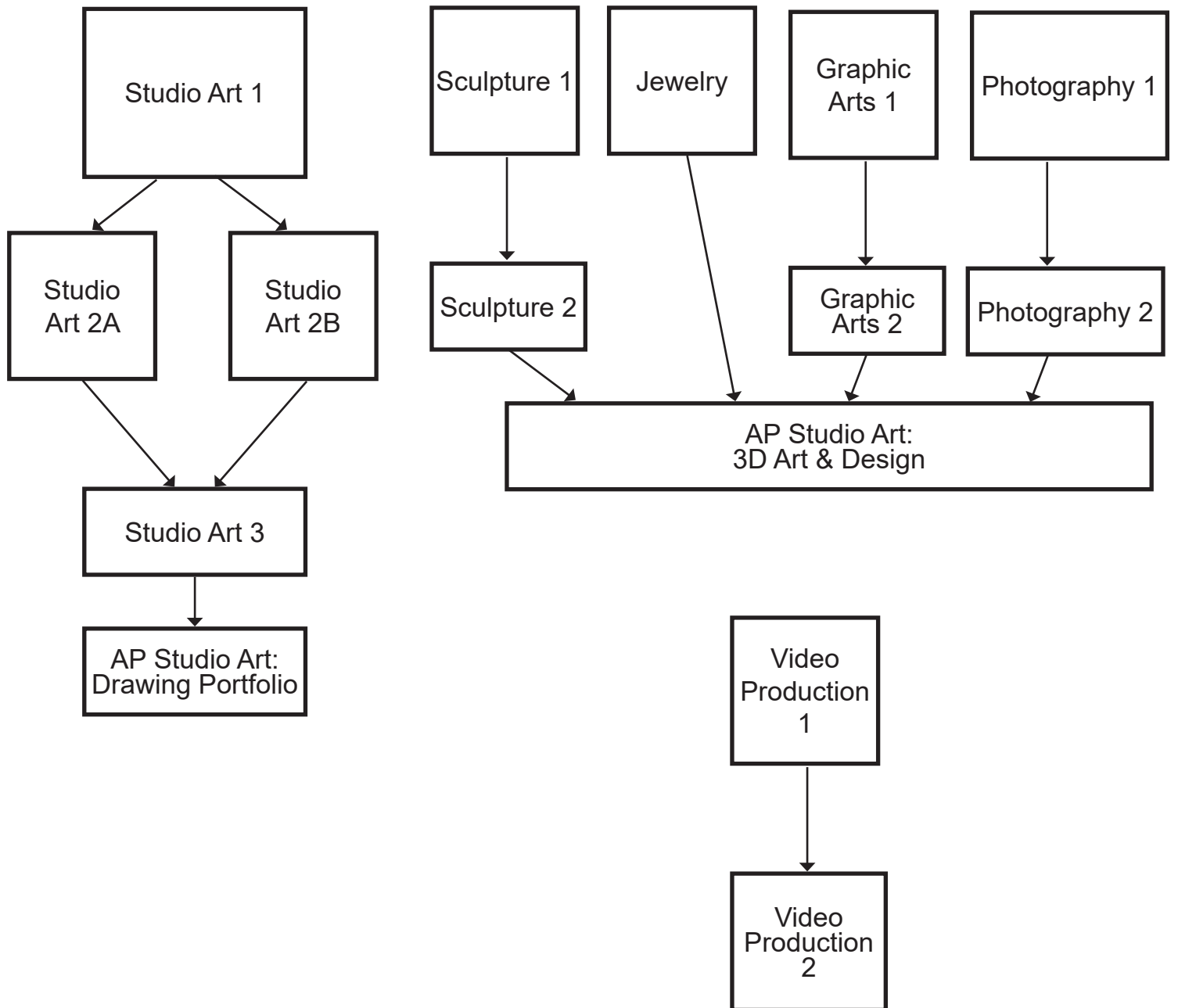
The information on this page was taken from documents found at www.ncaa.org/student-athletes/future. Students should familiarize themselves with the documents on this website, paying particular attention to the Guide for the College-Bound Student-Athlete, the NCAA Initial-Eligibility brochure, and the Eligibility Quick Reference Sheet. Students should also keep track of their progress toward eligibility by completing the Divisions I and II Worksheets. All of these documents and forms can be found on the NCAA Student-Athlete website. Other sources for information and guidance include students' coaches, school counselors, and the Tartan Activities Director.

Post High School Education

Use this guide as a general planning tool when registering for classes so you are prepared for your post high school education! **Check the admission requirements of every school you will apply to.** NOTE: Some east or west coast four year schools prefer the SAT to the ACT. The chart below lists the **minimum** requirements according to the latest information available; many colleges require further studies for admission. Again, **research your schools of interest!**

Type of School	Description	General Admission Requirements <small>* Minimum Requirements listed</small>	College Entrance Exam
Community Colleges, Technical Colleges and Trade Schools Often 2 year schools	Students can work toward a 1-2 year degree/certificate program directly related to an occupation they can enter upon graduation. Others enroll to take general education courses in order to transfer to a 4-year school.	Generally referred to as "open" admissions, which means that students who hold a high school diploma or GED will be admitted.	Accuplacer Recommend students take spring of senior year
Minnesota State Colleges and Universities 4 year schools	They have specific admission requirements that go beyond high school graduation requirements. Students' high school rank, GPA, test scores, and school/community involvement are used for admission.	English: 4 years Social: at least 3 years Science: at least 3 years Math: at least 3 years World Language: at least 2 years Fine Arts: at least 1 year	ACT Recommend students take spring of junior year
University of Minnesota 4 year school	They have specific admission requirements that go beyond high school graduation requirements. Students' high school rank, GPA, test scores, and school/community involvement are used for admission.	English: 4 years Social: at least 3 years Science: at least 3 years Math: 4 years World Language: at least 2 years Fine Arts: at least 1 year	ACT Recommend students take spring of junior year
University of Wisconsin 4 year school	They have specific admission requirements that go beyond high school graduation requirements. Students' high school rank, GPA, test scores, and school/community involvement are used for admission.	English: 4 years Social: at least 3 years Science: at least 3 years Math: 3-4 years World Language: at least 2 years (not required by all branches) Fine Arts: at least 1 year	ACT Recommend students take spring of junior year
Private Colleges and Universities 4 year schools	There are specific admission requirements that go beyond high school graduation requirements. Students' high school rank, GPA, test scores, essay, recommendations and school/community involvement are used for admission.	English: 4 years Social: at least 3 years Science: at least 3 years Math: 3-4 years World Language: at least 2 years Fine Arts: at least 1 year	ACT or SAT Recommend students take spring of junior year
Military	Serve your country in one of the five branches of the military (Army, Air Force, Navy, Marine Corps, Coast Guard) in the active duty, Guard or Reserves as an enlisted member, or officer. Not sure what all this means? Check out the resources on our website https://www.isd622.org/Page/15303	Every branch of service will vary; however all will require a high school diploma, or GED as well as a military physical. If you want to join as an officer, you will also need to attend a 4-year college (ROTC or military Academy) and earn a degree.	ASVAB Required for most

Credit Recovery: In partnership with 916, students who fail a course during the regular school year will need to enroll in credit recovery Night School and/or Summer School. Students are not able to enroll in credit recovery during the school day.



Art

Studio Art I

Course code: 11100

1 trimester, 1 credit

Grades: 9-12

This is an introductory high school-level art course. Students learn concepts and skills through a variety of art projects, including different forms of drawing and painting. Students gain experience with art materials and the elements and principles of art, as well as skills for evaluating their work.

Studio Art IIA (Drawing Emphasis)

Course code: 11102

1 trimester, 1 credit

Grades: 9-12

Prerequisite: Studio Art I

Students develop and expand their drawing skills introduced in Studio Art I through various projects such as still-life drawing, portrait, and perspective drawing, as well as more interpretive forms of drawing. Students will work with a variety of art materials.

Studio Art IIB (Painting Emphasis)

Course code: 11103

1 trimester, 1 credit

Grades: 10-12

Prerequisite: Studio Art I

Students learn how to paint with acrylic paint, and build on their color mixing and painting skills from Studio Art 1. Students will explore different styles of painting, as well as their own personal creative expression.

Studio Art III

Course code: 11104

1 trimester, 1 credit

Grades: 10-12

Prerequisites: Studio Art IIA or IIB

This is an advanced level drawing & painting course. Students will improve technical skills as well as build on their creativity. Students get to make more creative decisions in their projects, including what art materials they want to use. There will be a variety of drawing and painting projects centered around themes that relate to students' lives.

Sculpture

Course code: 11119

1 trimester, 1 credit

Grades: 9-12

Students will learn how to make a variety of projects out of clay that they can keep! From creating a functional cup to sculpting a realistic human head, in this class students will learn it all. This fun class is exactly what students need to have to become expressive in three dimensions and build their creative side.

Sculpture II

Course code: 11121

1 trimester, 1 credit

Grades: 9-12

Prerequisite: Sculpture I

Sculpture II is all about pushing sculpting skills to the next level of complexity. Students begin to learn about other materials that can be used for sculpting like paper, wire and even glass! The pottery wheel is also introduced where symmetrical clay pieces can be made.

Jewelry

Course code: 11124

1 trimester, 1 credit

Grades: 10-12

Hello future Jewelers. This course will focus on designing and creating original metal jewelry. Students will learn to rivet, solder, cut, drill, and bend their designs into shape. An emphasis will be placed not only on the technical aspects of making, but also on composition and creativity.

Photography I +

Course code: 11128

1 trimester, 1 credit

Grades: 9-12

Snapping a photo is easy, but taking a great picture takes a good eye, skill and practice. Students will learn how to become photographers that know how to change settings to get awesome effects in their pictures. Take pictures using a variety of cameras then edit them using Lightroom and Photoshop.

* College Credit Opportunity: Please consult your college of choice to see what credits can be earned. See page 3 for more information.

+ College Credit Opportunity: This course may earn an articulated credit. See your counselor for eligibility.

Photography II

Course code: 11129

1 trimester, 1 credit

Grades: 10-12

Prerequisite: Photography I

Photography II is all about building on previous skills to learn what it takes to pursue photography as a career or life hobby. Students work in a smaller studio environment to explore advanced camera skills such as studio lighting, film cameras with darkroom developing and advanced photo editing!

Graphic Arts I +

Course code: 11139

1 trimester, 1 credit

Grades: 9-12

Students will learn to use Adobe Photoshop. Students can expect engaging graphic design projects, discussions, and real-world experiences. Photoshop is used everywhere in the world of business, communications, content creation, graphic novels, and art.

Graphic Arts II

Course code: 11140

1 trimester, 1 credit

Grades: 9-12

Prerequisite: Graphic Arts I

Students will develop their graphic design skills learning Adobe Illustrator. Students interested in graphic design are recommended to take this class. Learn what it takes to become a graphic design professional.

Video Production I +

Course code: 11134

1 trimester, 1 credit

Grades: 9-12

Learn how to make movies, animation, and visual effects. This beginning course focuses on filmmaking basics to help you produce great movies. Learn to work in teams and become a content creator. Video editing is helpful for more than just artists, it's used by businesses, colleges, sports teams and just about anyone.

Video Production II +

Course code: 11135

1 trimester, 1 credit

Grades: 9-12

Prerequisite: Video Production I

This advanced filmmaking course dives deeper into learning how to make great movies. Teams of students will write, develop, and produce large movies. Students enter film festivals every year so there are chances to get your movie playing in the theaters.

AP Studio Art: Drawing *

Course code: 11105, 11106, 11107

3 trimesters, 3 credits

Grades: 11-12

Prerequisites: Two approved studio art courses (I, IIA, IIB, and/or III) AND instructors permission.

Students will create artwork in the drawing category, which includes all drawing, painting, mixed media, and printmaking. Students will be in with level 2 or 3 classes, although they are also expected to work on their projects outside of class. During the year, students will be preparing their Sustained Investigation and Selected Works portfolios for submission to the College Board for judging; a score of 3 or higher can earn students free college art credit.

* College Credit Opportunity: Please consult your college of choice to see what credits can be earned. See page 3 for more information.

+ College Credit Opportunity: This course may earn an articulated credit. See your counselor for eligibility.

Art

AP Studio Art: 2D Art and Design +

Course code: 11142, 11143, 11144

3 trimesters, 3 credits

Grades: 11-12

Prerequisites: Two approved art courses AND instructors permission (Photography I & II and/or Graphic Arts I & II)

This course will follow the requirements established by the College Board. Students will prepare a portfolio in the 2D Design category, which includes all photography and graphic design. The course will run during regularly scheduled classes each trimester of the year. Additionally, students are also expected to work on their projects outside of class. Students will be preparing their portfolios for submission to the College Board for evaluation in the spring.

AP Studio Art: 3D Art and Design +

Course code: 11145, 11146, 11147

3 trimesters, 3 credits

Grades: 11-12

Prerequisites: Two approved art courses AND instructors permission (Jewelry and/or Sculpture I and II)

This course will follow the requirements established by the College Board. Students will prepare a portfolio in the 3D design category, which includes ceramics, jewelry, sculpture, and architecture. The course will run during regularly scheduled classes each trimester of the year. Additionally, students are also expected to work on their projects outside of class. Students will be preparing their portfolios for submission to the College Board for evaluation in the spring.

AVID (*Advancement Via Individual Determination*)

The AVID program prepares students for college and future success in a global society. The AVID elective class helps students build skills they need to succeed in school and

beyond. Students enroll in at least one rigorous class, such as accelerated, Advanced Placement, or College in the Schools. Each day in the elective class, students learn skills such as:

- How to organize schoolwork and study
- How to think critically and ask probing questions
- How to get academic help from peers and college tutors
- How to work effectively with teachers

AVID students participate in additional activities such as college visits and community service projects to enrich their learning, motivate them, and make college seem possible. They gain an improved self-image and become academic leaders who are prepared for college.

Current AVID students

AVID students who finish the year in good standing are automatically able to enroll in the AVID elective class next year.

Interested in applying for AVID elective classes?

Students seeking to apply must participate in an application process to determine eligibility.

Characteristics of a typical AVID student:

- GPA 2.0-3.5
- Determined to go to college
- Interested in taking advanced or accelerated courses
- Often first in family to attend college

For more information about the Tartan AVID program, contact:

Kristen Fuerst, AVID Coordinator

E-mail: kfuerst@isd622.org

Phone: 651-702-8769

AVID 9

Course codes: 12210, 12211, 12212

3 trimesters, 3 credits

Grade: 9

Prerequisite: AVID 8 or application

AVID 10

Course codes: 12213, 12214, 12215

3 trimesters, 3 credits

Grade: 10

Prerequisite: AVID 9 or application

AVID 11

Course codes: 12216, 12217, 12218

3 trimesters, 3 credits

Grade: 11

Prerequisite: AVID 10 or application

AVID 12

Course codes: 12219, 12220, 12221

3 trimesters, 3 credits

Grade: 12

Prerequisite: AVID 11 or application

Business

Business Education Pathways

Business Management, Finance & Marketing Pathways

Arts, Global
Communications,
Information
Systems Pathways

	Business Management & Administration	Finance	Marketing	Information Technology
Tier I	<ul style="list-style-type: none"> • Intro to Word* • Career Investigation 	<ul style="list-style-type: none"> • Accounting 1* 	<ul style="list-style-type: none"> • Principles of Marketing 	<ul style="list-style-type: none"> • Information Technologies Exploration
Tier II	<ul style="list-style-type: none"> • Intro to Business* • Entrepreneurship* • Advanced Word Processing* • Microsoft Office* 	<ul style="list-style-type: none"> • Accounting 2 • Finance & Investing* • Personal Finance 	<ul style="list-style-type: none"> • Advertising & Promotions • Sports and Entertainment Management* • Professional Selling* 	<ul style="list-style-type: none"> • Web Page Design* • Video Game Design
Tier III	BPA* & DECA* Seminar Programs BPA* & DECA* Internship Programs			

- *Articulated college credit may be available upon completion of this course
- Tier 1 courses are Pathway Entry Point courses for students in grades 9-12.
- Tier 2 courses are Pathway Progression courses used toward Pathway Completion and exploration for grades 10-12.
- Tier 3 courses are Pathway Completion courses that require instructor approval and prerequisite work within the Business Pathways Course Offerings.
- Students are encouraged to take courses in multiple pathways for Tier 1 and Tier 2.

Introduction to Word Processing +

Course code: 11200

1 trimester, 1 credit

Grades: 9-12

Students will review keyboarding by touch techniques in order to build keyboarding skill and speed. Students will also learn features and tools of the word processor in order to create professionally formatted and proofread documents such as tables, academic reports, letters, and memos.

Advanced Word Processing +

Course code: 11201

1 trimester, 1 credit

Grades: 9-12

Prerequisites: Intro to Word Processing

This course is designed to improve keyboarding skills, increase productivity, and further develop word processing skills. Students learn advanced word processing skills in the formatting of commonly used business documents including letters, tables, reports, flyers, itineraries, newsletters, mail-merge and agendas. Advanced graphics tools will also be learned.

Microsoft Office for College & Business +

Course code: 11203

1 trimester, 1 credit

Grades: 10-12

Features a hands-on experience with Microsoft Office including Word (word processing), Excel (spreadsheet and charts), Access (database) and PowerPoint (presentation graphics tool). This course is a Microsoft Office Specialist certification preparation course.

Information Technology Exploration

Course code: 11210

1 trimester, 1 credit

Grades: 10-12

Learn more about the great opportunities and careers in programming, game development, systems administration, security, and business analytics and engage in interactive labs, simulations, and games. Guest speakers in the field of Information Technology will enhance career exploration.

Web Page Design +

Course code: 11209

1 trimester, 1 credit

Grades: 10-12

Presents the basic principles of web page design and introduces students to web page creation through the use of HTML and CSS. Students will learn what is involved in creating their own web site. This course satisfies one credit toward Art for graduation in ISD622.

Video Game Design

Course code: 11208

1 trimester, 1 credit

Grades: 10-12

Prerequisites: Intermediate Algebra, and English 10

Students will design, program, write, and market their own 3D video game through a simulated internship with a video game company.

Introduction to Business +

Course code: 11226

1 trimester, 1 credit

Grades: 10-12

This course will introduce students to the basics of marketing, management, business economics, finance, human resources, and the international, legal, and entrepreneurial aspects of business. Topics are introduced through current events, news, vocabulary, reading assignments, case studies, and group activities.

Advertising and Promotions

Course code: 11220

1 trimester, 1 credit

Grades: 9-12

Students develop an understanding of advertising and promotion, how it is used in business and its effect on students as consumers. Students will develop the skills and learn the strategies needed to create a variety of advertising messages in the media. Students will have the opportunity to develop a promotional plan for a business in our local area.

* College Credit Opportunity: Please consult your college of choice to see what credits can be earned. See page 3 for more information.

+ College Credit Opportunity: This course may earn an articulated credit. See your counselor for eligibility.

Business

Finance and Investing +

Course code: 11224

1 trimester, 1 credit

Grades: 11-12

Students will learn financial independence and income growth strategies that can help them make good financial management and investment decisions. Virtual stock portfolios are established and managed throughout the course. Topics include: Saving, Credit & Debt, Investing, and more.

Accounting I

Course code: 11213

1 trimester, 1 credit

Grades: 10-12

Students learn a complete accounting cycle for a service business organized as a proprietorship. Accounting knowledge is an essential part of business; students will learn journalizing, posting, cash management, and stakeholder reporting.

Accounting II

Course code: 11215

1 trimester, 1 credit

Grades: 10-12

Prerequisite: Accounting I

Students develop an understanding of how financial data is used to make business decisions as they study advanced units in payroll, cash receipts and payments, depreciation, and fixed assets. Students will learn these concepts while completing an accounting cycle for a merchandising business.

Entrepreneurship +

Course code: 11223

1 trimester, 1 credit

Grades: 11-12

Students will explore innovative thinking and the creative process in order to develop a plan for starting and owning a business. Course topics include innovation and creativity, opportunity recognition, business planning, market research and marketing.

Principles of Marketing

Course code: 11227

1 trimester, 1 credit

Grades: 9-12

Students will experience the spectrum of marketing with product research, pricing techniques, promotion ideas and distribution. Students will create marketing plans for a variety of products and services. This is an introductory level course that focuses on the 4 Ps of marketing and how those decisions shape the way businesses operate.

Professional Selling +

Course code: 11228

1 trimester, 1 credit

Grades: 9-12

This is a college level course studying advanced topics in professional selling. Students will learn how to sell a variety of products through role-playing and presentations designed to build strong relationships with people. Students will also learn how to conduct themselves in a job interview. This class is designed to explore professional selling: closing the sale, questioning skills, retail and organizational selling, and understanding consumer buying motives.

Sports and Entertainment Management +

Course code: 11222

1 trimester, 1 credit

Grades: 10-12

The focus of the course is on the issues and new challenges for managing within this changing and more complex business environment. The course is marketing-intensive within the context of general management. Considerable attention will be devoted to the fan/consumer perspective on issues of the business side of sports and entertainment. Half of the curriculum is covered in an on-line course offered through knowledgematters.com and involves the set up and management of a sports franchise.

* College Credit Opportunity: Please consult your college of choice to see what credits can be earned. See page 3 for more information.

+ College Credit Opportunity: This course may earn an articulated credit. See your counselor for eligibility.

Careers

Course code: 12201

1 trimester, 1 credit

Grades: 10-12

Students determine personal interests, skills and work values, then explore occupations that may be of interest. Students also explore different post-secondary education and training options and how to fund those choices. Students will also recognize resources available to assist with future planning, develop skills in making decisions and choosing alternatives when planning and pursuing education and career goals and will compile a personal portfolio.

BPA (Seminar/Internship) +

Course codes: 11232, 11233, 11234, 11235, 11236, 11237

3 trimesters, 3 credits

Grades: 11-12

Prerequisites: Any Tier 1 or Tier 2 Business Management course AND instructor permission.

Students have the opportunity to explore occupational information, human relations, communications, professional and leadership development, community interaction and career exploration. Classroom experiences include participation in a national business student organization called BPA (Business Professionals of America), leadership and career development workshops and conferences. This program is appropriate for students whose college and career objectives include accounting, administration, banking and finance, computer, entrepreneur, human resources, legal or medical office, real estate, technology, and management.

An application and interview are required to register for this course. Registration begins in January; applications may be picked up from the instructor in the Business Department.

Internship opportunities in this course may include paid or unpaid internships. Each student will work with the teacher to plan an experience to fit his or her own career goals. This may include placement in a local business 12+ hours per week or another approved internship plan. Students must provide their own transportation to internship training sites. Students may be eligible to leave school early to work at their approved internship site.

DECA (Seminar/Internship) +

Course codes: 11238, 11239, 11240, 11241, 11242, 11243

3 trimesters, 9 credits

Grades: 11-12

Prerequisites: Any Tier 1 or Tier 2 Business course AND instructor permission.

This is a college level course studying advanced topics in marketing and management. Experience an advanced course in career exploration and skill development in the areas of entrepreneurship, marketing, finance, hospitality and management. Participation includes activities in the local chapter of DECA. Students will also be involved in operating the school store to gain real world experience.

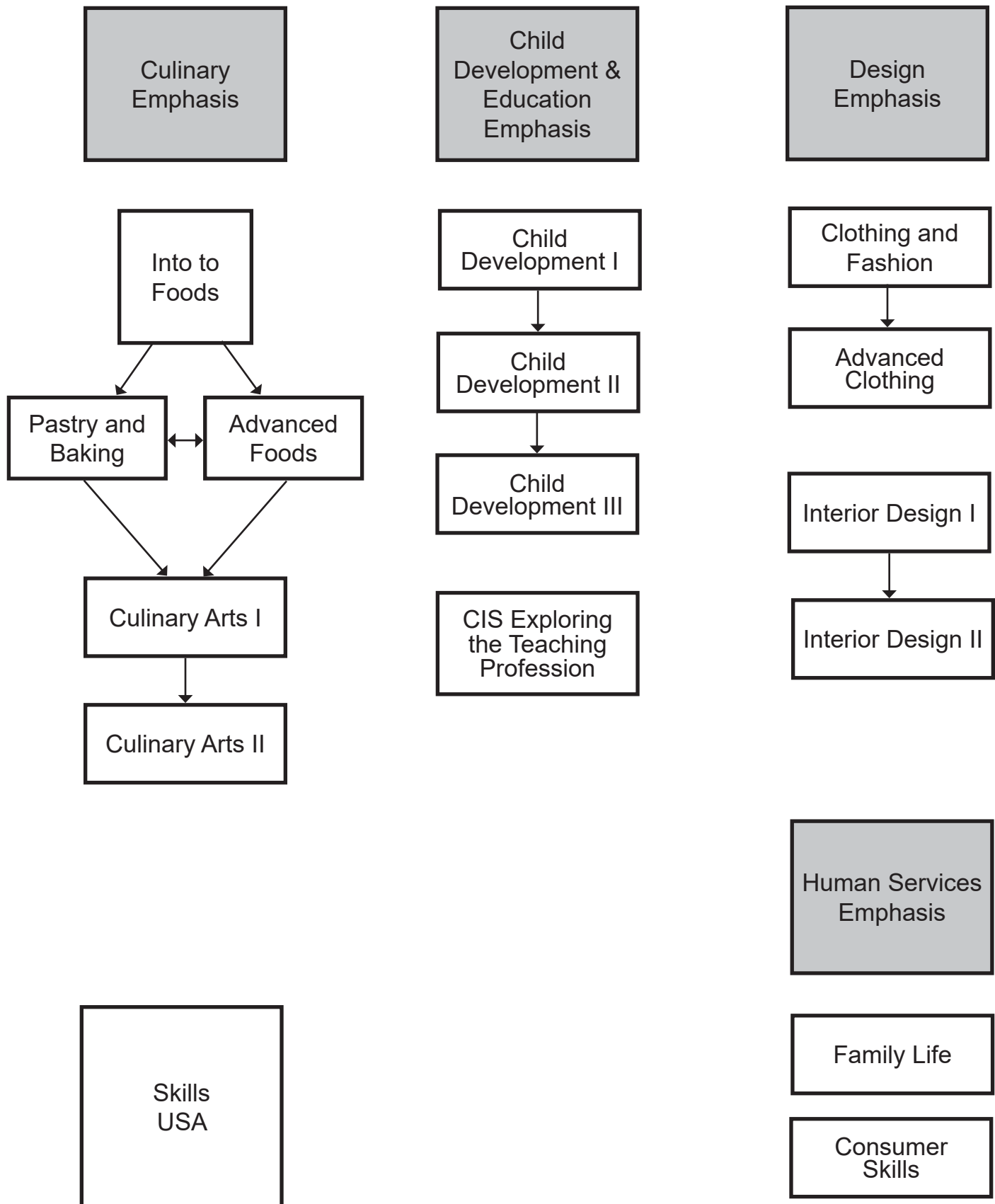
An application and interview are required to register for this course. Registration begins in January; applications may be picked up from the instructor in the Business Department.

The DECA Internship provides students the opportunity to receive internship training in the areas of entrepreneurship, marketing, finance, hospitality, and management by partnering with a local business, or managing the school store for 12+ hours per week. Students must provide their own transportation to internship training sites. Students may be eligible to leave school early to work at their approved internship site.

* College Credit Opportunity: Please consult your college of choice to see what credits can be earned. See page 3 for more information.

+ College Credit Opportunity: This course may earn an articulated credit. See your counselor for eligibility.

Family and Consumer Science



Family and Consumer Science

Child Development I: Prebirth-Toddler

Course code: 11412

1 trimester, 1 credit

Grades: 9-12

This course provides an opportunity for students to learn about children from pre-birth through toddlerhood. Course topics will include pregnancy, prenatal care and development, labor and delivery, infant development and care, toddler development and care, guidance, and age appropriate activities. This course is recommended for students interested in the following careers: child care provider, educator/teacher, psychologist, counselor/therapist, social worker, and nurse/doctor.

Child Development II: Preschool +

Course code: 11413

1 trimester, 1 credit

Grades: 9-12

Prerequisite: Parenting Issues or Child Development I

This course provides an opportunity for students to learn about the development and care of preschool age children. Within a hands on learning environment students will plan, prepare, and teach lessons to preschool children within the classroom. This course is recommended for students interested in the following careers: child care provider, educator/teacher, psychologist, counselor/therapist, social worker, and nurse/doctor.

Child Development III: School Age +

Course code: 11414

1 trimester, 1 credit

Grades: 11-12

Prerequisite: Child Development II

This course provides an opportunity for students to learn about the development and care of school age children. In this class students will be required to go off-site to observe children in an elementary school setting. Students will be able to apply child development theories to real life situations. This course is recommended for students interested in the following careers: child care provider, educator/teacher, psychologist, counselor/therapist, social worker, and nurse/doctor.

Intro to Foods

Course code: 11400

1 trimester, 1 credit

Grades: 9-12

This course is designed to allow students the opportunity to work hands on. Through lab experiences students will gain knowledge in basic cooking techniques, food preparation and how to safely prepare food for themselves and others. This will serve as a foundation for students as they work to develop skills in the culinary world.

Advanced Foods

Course code: 11401

1 trimester, 1 credit

Grades: 9-12

Prerequisite: Intro to Foods

This course is a continuation of Intro to Foods and will focus on new technical skills of food preparation. Students will make foods in the areas of: soups/sauces, meats/poultry, vegetarian, starches (potatoes, grains, and legumes), salads & dressings, and herbs/spices.

Pastry and Baking +

Course code: 11409

1 trimester, 1 credit

Grades: 9-12

Prerequisite: Intro to Foods

This course is a continuation of Intro to Foods and will focus on technical skills of pastry and baking. Students will make foods in the areas of yeast breads, pies and pastries, fillings, cakes, icings, and frostings.

* College Credit Opportunity: Please consult your college of choice to see what credits can be earned. See page 3 for more information.

+ College Credit Opportunity: This course may earn an articulated credit. See your counselor for eligibility.

Family and Consumer Science

Culinary Arts (Prostart I) +

Course code: 11407

1 trimester, 1 credit

Grades: 11-12

Prerequisites: Intro to Foods AND Advanced Foods

This course is for students interested in a career in the food service or hospitality industry. It provides students with the opportunity to study food preparation principles and food service skills in a classroom and lab setting. Students will work in a team-oriented environment preparing foods following restaurant standards. They will also study and practice customer service techniques, business math, and food cost control. Students will prepare breakfast foods, sandwiches, salads, garnishes, and more. Through the Prostart curriculum, the National Certificate of Achievement (NCA) is available for those students who also complete Advanced Culinary Arts, a 400-hour internship in the food service industry, and pass the Prostart exam, which is sponsored by the National Restaurant Association.

Advanced Culinary Arts (Prostart II)

Course code: 11408

1 trimester, 1 credit

Grades: 11-12

Prerequisite: Culinary Arts (Prostart I)

This course is a continuation of Culinary Arts. Students will learn how to run a profitable restaurant. Students will demonstrate proper food selection, storing, and preparation following restaurant standards. Students will prepare grains, pastries, stocks, soups, sauces, meats, poultry, seafood, and more. They will also study and practice customer service techniques, business math, and food cost control. Students will explore careers in the food service and hospitality industry.

Clothing and Fashion

Course code: 11419

1 trimester, 1 credit

Grades: 9-12

Students will learn about fashion trends through exploration of design elements. Each student will learn to choose patterns and fabrics that are best for the project they are working on. Through the construction of a basic garment students will use skills and knowledge of sewing techniques to show what they have learned.

Advanced Clothing

Course code: 11420

1 trimester, 1 credit

Grades: 9-12

Prerequisite: Clothing and Fashion

Students will use color, line, and design to construct clothing and embellish it with embroidery they create using the newest technology. Students will select projects on an individual basis considering their past sewing experience, abilities, and needs. The use of new fabrics and fashion ideas will be emphasized. This will change with each season.

Consumer Skills (Personal Finance)

Course code: 11431

1 trimester, 1 credit

Grades: 11-12

This course covers topics such as creating an organizational system, creating and using a budget, using credit and credit cards responsibly, saving and investing, understanding insurance, obtaining post-secondary information, and getting the most from your food, clothing, housing, and transportation dollar.

Interior Design I +

Course code: 11425

1 trimester, 1 credit

Grades: 9-12

Students will learn how to decorate and design a home. Students will explore the elements and principles of design, house and design styles, design materials, floor plans, and arranging furniture. This course is recommended for students interested in designing their own homes and interested in the following careers: Interior Designers, decorators, architects, landscape designers, and other design or art related fields. This course qualifies as an art credit.

* College Credit Opportunity: Please consult your college of choice to see what credits can be earned. See page 3 for more information.

+ College Credit Opportunity: This course may earn an articulated credit. See your counselor for eligibility.

Family and Consumer Science

Housing and Interior Design II +

Course code: 11426

1 trimester, 1 credit

Grades: 10-12

Prerequisite: Housing and Interior Design I

This class focuses on advanced design concepts while designing kitchens, bathrooms, and more. Students will design a real space as a class and present that design to real clients. Students may even fulfill that design, given time and resources.

Family Life and Relationships

Course code: 11415

1 trimester, 1 credit

Grades: 10-12

Family Life will allow students to explore and assess their own definition and self, identify their values, and learn strategies to help set and achieve goals. Students will learn how to communicate effectively and assertively with others. Additionally students will explore theory and philosophy around concepts that impact the family. Throughout the course students will analyze a wide variety of issues that impact the success of families.

CIS Exploring the Teaching Profession *

Course code: 11445, 11446, 11447

3 trimesters, 3 credits

Grades: 11-12

Prerequisite: Student must be in the top 50% of their graduating class.

This course is an introduction to K-12 teaching as a profession. Students will cover topics such as: culture of teaching, roles of teachers, student learning, multicultural/diverse students/contexts, socio-cultural and socio-political influences of education, diversity in schools and strategies for increasing cultural competence. Students will do a total of 60 hours of service-learning (mainly during school hours) in an elementary, middle, and/or high school as part of the course.

Skills USA (Seminar/Internship) +

Course codes: 11439, 11440, 11441, 11442, 11443, 11444

3 trimesters, 9 credits

Grades: 11-12

Prerequisites: Completed coursework in area of specialization AND instructor permission

The Skills USA program combines internship training with related classroom work to help strengthen you and your resume. This course is specifically designed for students whose career objectives include health care careers, child care, education, culinary arts, photography, video production, automotive industry, and many other trades. In the classroom you will explore in depth possible careers, education/certification, resumes, and budgeting. This will be done through speakers, field trips and independent research. In addition to classroom work you have the unique opportunity to participate in a wide variety of Skills USA events. At these events you will begin networking for your future careers, explore new paths, meet a variety of people, explore and learn group dynamics, and develop great leadership skills. As individuals you will have the opportunity to develop individual and group skills through community service projects. The final component is the internship phase where you will learn on the job skills through paid employment or non paid internships. Students on track for graduation may opt to begin working before the school days ends; others may use the opportunity to get ahead on credits.

* College Credit Opportunity: Please consult your college of choice to see what credits can be earned. See page 3 for more information.

+ College Credit Opportunity: This course may earn an articulated credit. See your counselor for eligibility.

Health and Physical Education

Required
(Must complete both courses)

Fitness for Life

Health I

Electives

Teamwork Through Competition
(9th grade only)

Health II

Electives

Lifetime Activities I

Beginning-Strength Training for Personal Fitness

Beginning-Strength Training for Athletes

Aerobic Activities I

Electives

Advanced Strength Training

Lifetime Activities II

Fall Team Sports

Winter Team Sports

Spring Team Sports

Aerobic Activities II

Health and Physical Education

Fitness for Life

Course code: 11511

1 trimester, 1 credit

Grade: 9

Students will focus on the 5 components of fitness, which are the set of attributes associated with lifelong fitness. Students will assess their personal fitness levels and work on increasing it through fitness activities, strength training and team/dual games. This course will prepare students for both lifelong fitness and success in additional elective high school physical education courses. **Passing this course fulfills the PE graduation requirement.**

Health I

Course code: 11500

1 trimester, 1 credit

Grade: 9

This course is designed to assist students in the decision-making process regarding the following topics: life management skills, stress, problem-solving, communication, CPR, tobacco, alcohol, chemicals, cancer, sexually transmitted diseases, and mental and social implications in regards to human sexuality. **Passing this course fulfills the Health graduation requirement.**

Health II

Course code: 11538

1 trimester, 1 credit

Grades: 10-12

Prerequisite: Health I

Are you interested in taking an in-depth look at topics like: nutrition, decision making and careers in the health fields? If so, this is the class for you. This is a discussion based course where students will demonstrate the ability to advocate for themselves on various issues that teens face daily including peer pressure, nutrition, chemical use, diseases, relationships, sexuality and career choices. **This course is an elective and does not fulfill the Health graduation requirement.**

Teamwork Through Competition

Course code: 11510

1 trimester, 1 credit

Grade: 9

This course will focus on personal fitness and the development of character through participation in physical activities. Activities may include team, individual, and lifetime activities.

Lifetime Activities I

Course code: 11514

1 trimester, 1 credit

Grades: 10-12

Prerequisite: Fitness For Life

Are you a student that prefers to play games versus aerobics and/or weight training as a way to improve your personal fitness? This co-educational course is designed to help students improve personal fitness through playing games.

Lifetime Activities II

Course code: 11539

1 trimester, 1 credit

Grades: 10-12

Prerequisite: Fitness For Life

Are you a student that likes to play games but are not overly competitive? This is a co-educational course that emphasizes participation more than competitiveness and skill. The emphasis of this course is to improve skills, strategies, etiquette, and sportsmanship in a variety of lifetime activities.

Beginning Strength Training for Personal Fitness

Course code: 11518

1 trimester, 1 credit

Grades: 10-12

Prerequisite: Fitness For Life

Are you a student that prefers an individual approach to improving personal fitness versus playing games? This is a co-educational course that is designed to introduce students to strength training as a way to improve their fitness level. Each student will participate in a supervised program of basic strength training and supplemental activities that can be done at home. This class focuses on basic techniques and proper safety procedures.

Strength Training for Athletes

Course code: 11520 (Fall), 11521 (Winter), 11522 (Spring)

1 trimester, 1 credit

Grades: 10-12

Prerequisite: Fitness For Life

Are you an athlete that is interested in becoming stronger, faster, quicker, more explosive while reducing your chances of getting injured? This co-educational course will introduce strength training as a way to do just that and is highly recommended by varsity coaches. Each student will participate in a supervised program of basic strength training, balance, plyometrics, agility drills and conditioning activities. Additional topics will include the benefits of exercise, eating for performance, and human anatomy.

Health and Physical Education

Advanced Strength Training

Course code: 11532 (Fall), 11533 (Winter), 11534 (Spring)

1 trimester, 1 credit

Grades: 10-12

Prerequisite: Strength Training for Personal Fitness

Is strength training your preferred way to improve your personal fitness or are you a varsity athlete trying to continue to improve your strength, speed and explosive power? This course will build on the information covered in either of the prerequisites. This class is for the varsity athlete interested in maximizing their performance and reducing injuries or the non-athlete interested in learning additional advanced strength training methods as a way to improve personal fitness. Students may take this course multiple times for credit.

Aerobic Activities

Course code: 11535

1 trimester, 1 credit

Grades: 10-12

Prerequisite: Fitness For Life

Are you a student that prefers individual aerobic activities rather than playing team games or lifting weights, as a way to improve personal fitness? This co-educational course will emphasize aerobic activities that include aerobics, Pilates, yoga, power walking, and strength training through the use of hand weights.

Aerobic Activities II

Course code: 11536

1 trimester, 1 credit

Grades: 10-12

Prerequisite: Fitness For Life

Are you a student that prefers individual aerobic activities rather than playing team games or lifting weights, as a way to improve personal fitness? This co-educational course will emphasize aerobic activities that include aerobics, Pilates, yoga, power walking, and strength training through the use of hand weights.

Team Sports

Course code: 11537 (Fall), 11545 (Winter), 11544 (Spring)

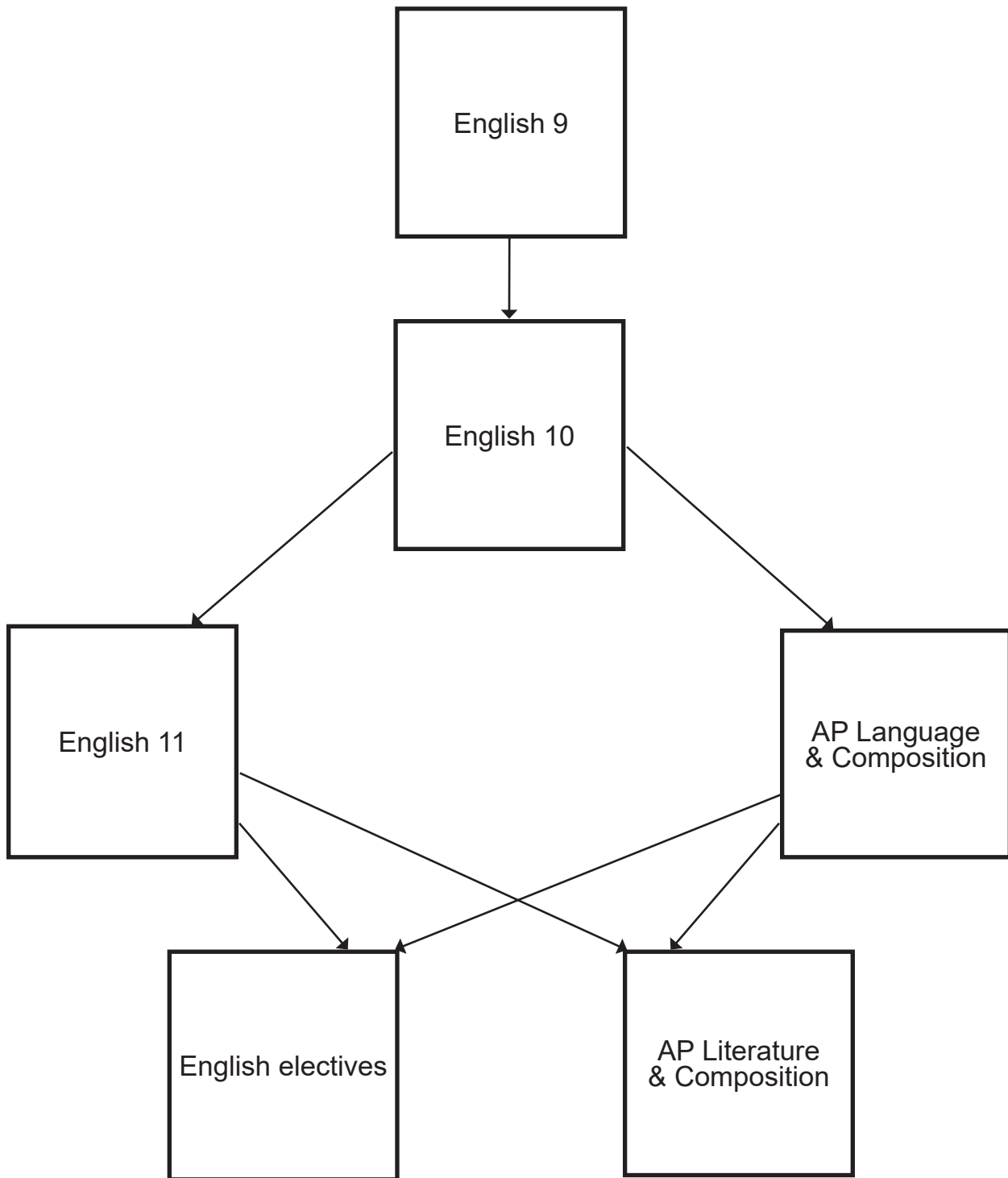
1 trimester, 1 credit

Grades: 10-12

Prerequisite: Fitness For Life

Do you enjoy competing in sports? **This course is a co-educational class that emphasizes a *highly competitive environment in team activities*.** Fall Team Sports activities may include ultimate frisbee, soccer, touch football, volleyball, arena games, badminton, and basketball. Winter Team Sports activities may include volleyball, basketball, badminton, team handball, arena games, snow football, pickleball and team building challenges. Spring Team Sports activities may include basketball, arena games, ultimate frisbee, lacrosse, speed-ball, softball, arena games, and team-building challenges.

Language Arts



Language Arts

English 9

Course codes: 11600, 11601, 11602

3 trimesters, 3 credits

Grade: 9

Foundational course in language arts for high school; students read fiction in the form of short stories, novels, poetry and plays and also build skills in critical reading of non-fiction and basic research strategies. Students will write a number of expository and argumentative essays that build from reading skills. 9th grade English uses the Pre-AP curriculum from The College Board to build extensive content knowledge with close reading and analysis of texts, critical viewing of select films, wide-ranging independent reading, and lively, engaging classroom discussion. The goal is to provide a bridge between English 9, 10 and Advanced Placement English coursework offered in the 11th and 12th grade years.

English 10

Course codes: 11621, 11622, 11623

3 trimesters, 3 credits

Grade: 10

Prerequisite: English 9

In English 10, students will plan, organize, and compose expository, critical, and analytical writings to address a specific audience and purpose. Students will write major essays throughout the year addressing a variety of topics. Students will also read, analyze, and evaluate selected novels. 10th grade English uses the Pre-AP curriculum from The College Board to build extensive content knowledge with close reading and analysis of texts, critical viewing of select films, wide-ranging independent reading, and lively, engaging classroom discussion. The goal is to provide a bridge between English 10 and Advanced Placement English coursework offered in the 11th and 12th grade years.

English 11

Course code: 11707, 11708, 11709

3 trimesters, 3 credits

Grades: 11-12

Prerequisite: English 10

Students will plan, organize, and compose expository, critical, and analytical writings to address a specific audience and purpose. Students will write major essays throughout the year addressing a variety of topics. Students will also read, analyze, and evaluate selected texts, build extensive content knowledge with close reading and analysis of texts, critical viewing of select films, wide-ranging independent reading, and lively, engaging classroom discussion.

Career Writing

Course code: 11672

1 trimester, 1 credit

Grades: 11-12

This course focuses on developing writing skills for students intending to enter either the workforce or technical/vocational school following graduation. Coursework engages students in technical and career related writing components while integrating grammar, mechanics and vocabulary to support their skills. This course fulfills the writing requirement for graduation.

Academic Writing Foundations

Course code: 11675

1 trimester, 1 credit

Grades: 11-12

The focus of the class is to increase proficiency in conventions, sentence fluency, ideas, organization, diction, and voice, particularly as they apply to academic writing tasks. In addition to a specific writing skill, review, and ample practice, each unit features an essay representative of an academic purpose, which may include a descriptive essay, personal narrative, research and response to literature.

Language Arts

CIS Public Speaking *

Course code: 11681

1 trimester, 1 credit

Grades: 11-12

Prerequisite: Top 50% of graduating class

This course will build upon the basic principles of oral communication and public speaking taught in the Communications curriculum. The course is designed to build speaking confidence while fine-tuning skills in speech organization, critical analysis, topic selection, research, and vocal expression. Students will be required to create and perform many different types of speeches, including impromptu, persuasive, controversial, group discussion, and panel interview. College-level expectations for the course will require students to work to their highest potential in the class, while challenging them throughout the process.

College Readiness: Reading, Test Taking and Study Skills

Course code: 11696

1 trimester, 1 credit

Grades: 10-12

This course helps prepare students for college by developing students' critical thinking and discussion skills through the reading, analysis, and discussion of a series of non-fiction texts. Students will also learn tangible strategies for college success in the areas of note taking, organization, time and stress management, and timed writing throughout the course.

Mass Media

Course code: 11690

1 trimester, 1 credit

Grades: 11-12

Students will develop critical media literacy skills to analyze mass media (film, advertising, television, radio, internet, etc.) Students will be required to study media techniques and to respond through writing and speaking assignments. Students should have competent essay-writing skills. The media will be studied through discussion, video, readings, music, etc. Grades will be determined through unit based projects, written work, tests and discussion.

Theater Arts

Course code: 11687

1 trimester, 1 credit

Grades: 10-12

Introduction to Theatre Arts is a survey class. Students will improve their self-confidence through the use of acting and speaking skills. Students are expected to build a positive classroom environment through active participation and self-discipline. Creative, positive teamwork is essential. Topics Include: pantomime, improvisation, basic stagecraft, theatre history, character development, basic makeup, scriptwriting, and monologue work. No previous experience is necessary.

Science Fiction/Fantasy

Course code: 11697

1 trimester, 1 credit

Grades: 11-12

This class welcomes students of all ability levels. Readings will be selected from such writers as Aldous Huxley, Ray Bradbury, Jules Verne, Isaac Asimov, and J.R.R. Tolkien. Students will explore the realms of science fiction and fantasy in writing and close readings of novels and short stories, as well as integrating technology in group discussions and projects.

Mystery and Horror

Course code: 11691

1 trimester, 1 credit

Grades: 11-12

This class is designed for students of all abilities. Students will explore the origins and contemporary variations of the detective story and horrific literature. Readings will be selected from such writers as Mary Shelley, Edgar Allan Poe, Arthur Conan Doyle, Agatha Christie, Stephen King, and Sue Grafton. A variety of written work, tests, and projects will be graded along with class participation.

Philosophy and Literature

Course code: 11695

1 trimester, 1 credit

Grades: 11-12

This is a literature class designed to introduce the student to philosophy and its impact on literature. Activities include analysis of major, traditional philosophical schools of thought, application to modern society, and research of historical trends in both ancient and modern literature.

College Composition

Course code: 11673

1 trimester, 1 credit

Grades: 11-12

This course helps prepare students for college by developing students' critical self-reflection and thinking skills as they read and analyze effective example pieces as well as plan and write compositions of their own. The two or three major papers teach students to demonstrate effective description, reflection, narration, research and analysis. This course fulfills the writing requirement for graduation.

* *College Credit Opportunity: Please consult your college of choice to see what credits can be earned. See page 3 for more information.*

+ *College Credit Opportunity: This course may earn an articulated credit. See your counselor for eligibility.*

Language Arts

Journalism

Course code: 11688

1 trimester, 1 credit

Grades: 11-12

Prerequisite: English 10

This course is designed to give students an overview of journalism history and ethics, journalistic writing styles, and newspaper layout. Students should possess average or above-average writing skills and an ability to work independently. Work may be published in student newspaper.

Journalism II

Course code: 11689

1 trimester, 1 credit

Grades: 11-12

Prerequisites: Journalism, AP coursework, teacher approval/recommendation

For advanced writers; focuses on techniques and production of in-depth feature writing. Develop advanced copy editing skills. Student work may be published in student newspaper.

Creative Writing

Course code: 11682

1 trimester, 1 credit

Grades: 11-12

Prerequisite: English 10

Students use the writing process to produce works of poetry, description, character sketch, personal narrative, short story, and drama. Students will use memory, observation, and imagination as resources for developing these pieces. This is an advanced writing class with specific assignments designed to improve creative writing skills. Although students will have choices within specific genres of writing, this is not a writer's workshop. Works may be presented orally or by exhibit to an audience of peers or community groups.

Grammar

Course code: 11685

1 trimester, 1 credit

Grades: 11-12

Grammar offers a study of the parts of speech, analysis of sentences, usage, and mechanics of the English language. Students will improve their own writing and speaking and will get practice on the grammar and writing sections of standardized tests like the ACT and SAT.

AP Language and Composition *

Course codes: 11663, 11664, 11665

3 trimesters, 3 credits

Grades: 11-12

Prerequisites: Successful completion of English 9 and 10 AND Teacher Recommendation

(Recommended for students who earned a B or higher in English 10)

This is a college-level course in rhetoric—the study of argument. This course explores the connection between semantics, syntax, grammar, and meaning through various extended writing assignments. Students in this course are expected to read at a college level and possess a strong command of standard English grammar. In addition to preparing for the AP Language and Composition exam, the primary goal is to have students write prose mature enough in conception, development, and language use to communicate effectively with adult readers on issues of some intellectual importance. Students will compose expository, analytical, and argumentative prose writings. There will be a required summer reading assignment for AP Language and Composition. This course fulfills the writing requirement for graduation.

AP Literature and Composition *

Course codes: 11669, 11670, 11671

3 trimesters, 3 credits

Grade: 12

This course covers literature and composition in depth. The assignments demand a strong foundation in literature and writing. The focus will be on poetry and the novel, but other types of literature will be addressed. The course is modeled after a college seminar; therefore, all reading is done outside of class and class time is spent in discussion and writing. Students have the opportunity to take the AP exam in the spring, and college credit may be granted upon successful completion of this exam. This course fulfills the writing requirement for graduation.

Debate

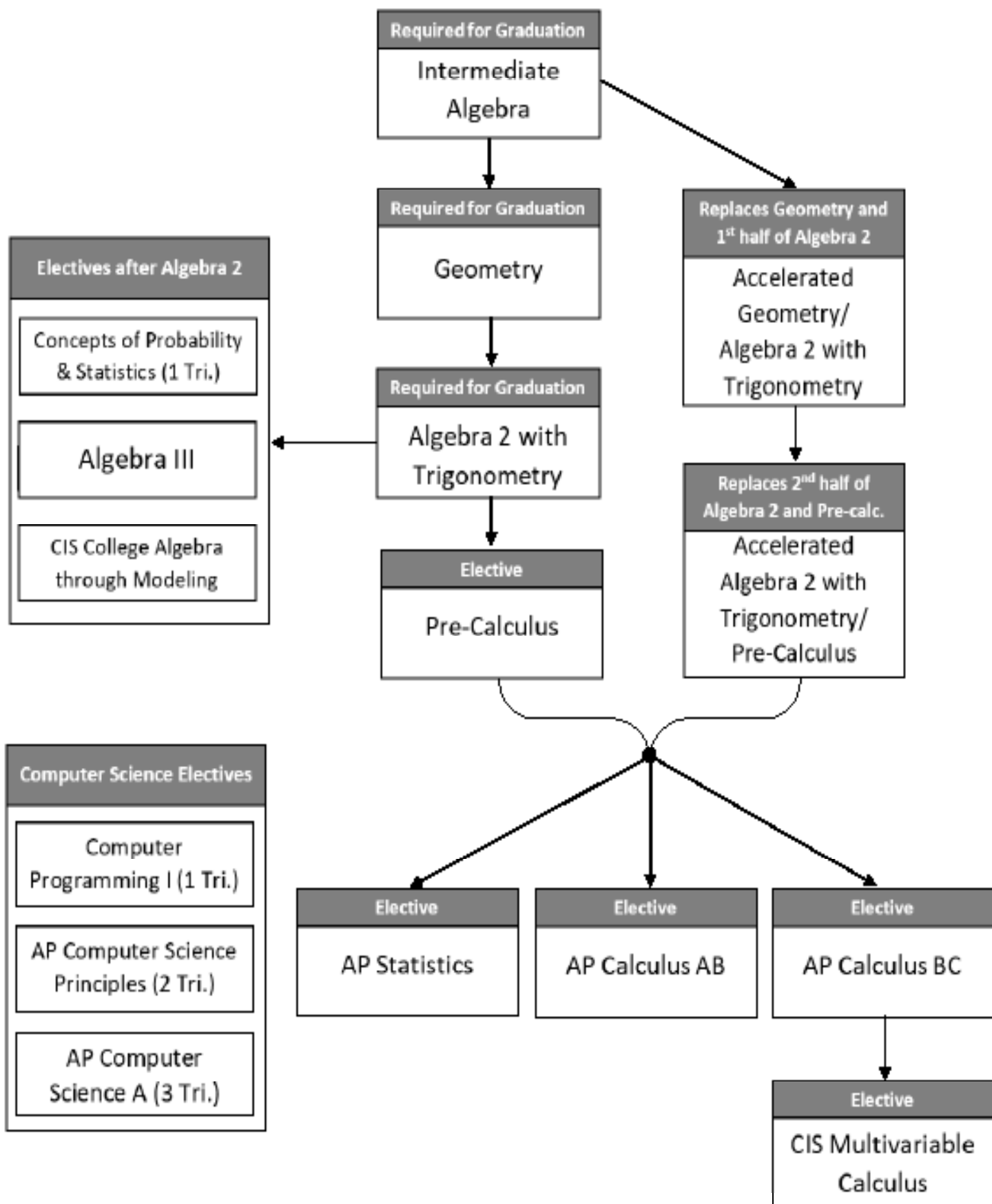
Course code: 11683

1 trimester, 1 credit

Grades: 10-12

This course allows students to practice and learn about different forms of debate. These practices include policy debate and discussion events. Students will participate in individual and team speeches. Additionally, students will research, create tasks and evidence packets and learn skills such as cross examination, rebuttals, and policy development.

Mathematics



Mathematics

Intermediate Algebra

Course codes: 11800, 11801, 11802

3 trimesters, 3 credits

Grade: 9

Students will analyze linear, exponential, quadratic, rational, and radical functions algebraically and graphically.

Geometry

Course codes: 11812, 11813, 11814

3 trimesters, 3 credits

Grades: 9-10

Prerequisite: Intermediate Algebra

Students will study two- and three-dimensional geometry with an emphasis on lines, triangles, quadrilaterals, circles, similarity, congruence, right triangle trigonometry, transformations, perimeter, area, and volume.

Algebra II with Trigonometry

Course codes: 11824, 11825, 11826

3 trimesters, 3 credits

Grades: 10-12

Prerequisite: Geometry

Students will continue their study of Algebra with major concepts that include: algebraic functions (polynomial, radical, rational, exponential, trigonometric, recursive), probability, and statistics.

Pre-Calculus

Course codes: 11836, 11837, 11838

3 trimesters, 3 credits

Grades: 11-12

Prerequisite: Algebra II w/ Trigonometry

Students will study the basic topics required for calculus (functions and their properties, matrices, conic sections, and limits). Calculator-based graphing technology is used extensively in this course and students are expected to use a graphing calculator.

Accelerated Geometry/Algebra II with Trig.

Course codes: 11815, 11816, 11817

3 trimesters, 3 credits

Grades: 9-10

Prerequisite: Intermediate Algebra

This course is the start of a two-year sequence which is a pathway to taking college level mathematics in high school. Major concepts are two- and three-dimensional geometry, coordinate geometry, logical reasoning, and proofs. Topics include the relationship between lines, triangles, quadrilaterals and circles; similarity and congruence; right triangle trigonometry; and perimeter, area, and volume.

Accelerated Algebra II/Pre-Calculus

Course codes: 11827, 11828, 11829

3 trimesters, 3 credits

Grades: 10-11

Prerequisite: Accelerated Geometry/Algebra II w/ Trig.

This course is the continuation of a two-year sequence which is a pathway to taking college level mathematics in high school. This course reviews functions (polynomial, periodic, exponential, rational, and quadratic). Conic sections will be studied and trigonometry will be expanded.

Concepts of Probability & Statistics

Course codes: 11865

1 trimester, 1 credit

Grades: 11-12

Prerequisite: Algebra II

Graphing calculator Required

This course will explore stem and leaf displays, box plots, transformations, scatter plot smoothing, residual analysis, normal probability plots, simulation, and explore various surveys and sampling using real data.

Computer Programming I

Course code: 11856

1 trimester, 1 credit

Grades: 11-12

Prerequisite: Geometry

Students will learn the fundamentals of programming. They will learn about computer science concepts including algorithms, conditional statements, and loops that are applicable to programming in many languages.

Mathematics

AP Calculus AB *

Course codes: 11842, 11843, 11844

3 trimesters, 3 credits

Grades: 11-12

Prerequisite: Pre-Calculus

This is an Advanced Placement level course with topics determined by the AP syllabus for Calculus AB (approximately one semester of college calculus). The Big Ideas of the course are Limits, Derivatives and Integrals. Students will apply calculus to solve problems presented symbolically, numerically, graphically and verbally.

AP Calculus BC *

Course codes: 11845, 11846, 11847

3 trimesters, 3 credits

Grades: 11-12

Prerequisite: Pre-Calculus

This is an Advanced Placement level course with topics determined by the AP syllabus for Calculus BC (approximately two semesters of college calculus). The Big Ideas of the course are Limits, Derivatives, Integrals, and Series. Students will apply calculus to solve problems presented symbolically, numerically, graphically and verbally. The BC level course moves faster, covers more material, and may enable students to take a higher level AP exam than the AB level course.

AP Statistics *

Course codes: 11866, 11867, 11868

3 trimesters, 3 credits

Grades: 11-12

Prerequisite: Algebra II with Trigonometry

This is a college-level Statistics course. Discover statistical concepts through experiments and real life situations. Topics include data analysis, designing experiments, probability distributions, and statistical inference.

AP Computer Science *

Course codes: 11859, 11860, 11861

3 trimesters, 3 credits

Grades: 11-12

Prerequisite: Geometry

Students will learn college-level computer science concepts and programming skills using the Java programming language. Students can potentially earn college credit through the AP exam.

AP Computer Science Principles *

Course codes: 11862, 11863

2 trimesters, 2 credits

Grades: 9-12

Prerequisite: Intermediate Algebra

No computer experience is necessary. This course will introduce the creative aspects and fundamentals of computer science. Topics will include problem-solving, algorithms, understanding the internet, cybersecurity concerns, and global computing impacts. Projects will use technology to address real-world problems and build relevant solutions. Students can potentially earn college credit through the AP exam.

* *College Credit Opportunity: Please consult your college of choice to see what credits can be earned. See page 3 for more information.*

+ *College Credit Opportunity: This course may earn an articulated credit. See your counselor for eligibility.*

Mathematics

CIS Multivariable Calculus *

Course codes: 11851, 11852, 11853

3 trimesters, 3 credits

Grade: 12

Prerequisite: Score of 3 or higher on the AP Calculus BC exam

This is a college-level course that extends the concepts of calculus to several variables. The topics include vectors and graphs in three-dimensional space; partial derivatives and multiple integration; line and surface integrals; gradients, divergence, and curl; and Fundamental Theorems of Vector Analysis.

CIS College Algebra Through Modeling *

Course codes: 11833, 11834, 11835

3 trimesters, 3 credits

Grade: 12

Prerequisite: Algebra II with Trigonometry

This course introduces the art of mathematical prediction through algebraic modeling and elementary probability theory. Students in this class will analyze data using basic algebraic functions. Students will gain a foundation in mathematics-based research and technical writing. This course provides a bridge to entry level college statistics courses and other college algebra courses.

Algebra III

Course codes: 11830, 11831, 11832

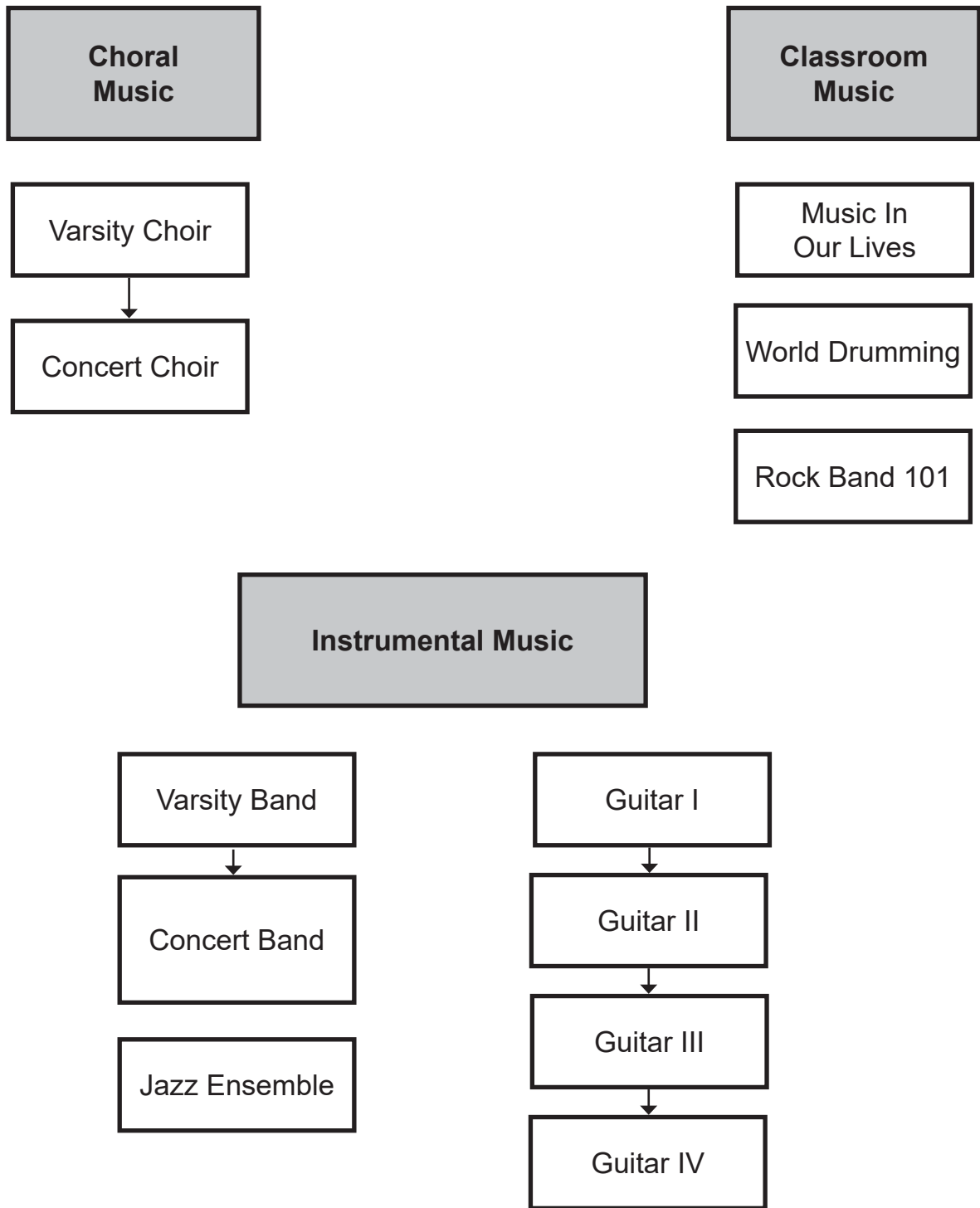
3 trimesters, 3 credits

Grade: 12

Prerequisites: Algebra II with Trigonometry AND an ACT Math score of 16-18 (or higher)

This course is equivalent to Century College course Math 0060. It would be best for students seeking a 2-year degree who will not qualify for college-ready mathematics. Core topics include: linear, quadratic, exponential, rational, and logarithmic functions.

Music - Instrumental and Vocal



Music - Instrumental and Vocal

Varsity Band

Course codes: 11900, 11901, 11902

3 trimesters, 3 credits

Grades: 9-12

Prerequisite: Middle school band OR comparable music skills by audition.

In Varsity Band, students will refine instrumental technical and musical skills through a variety of performance opportunities at school and in the community. The band plays a wide variety of music, from classical style to pop music and jazz. Annual required performances include the Metro East Intermediate Band Festival and three formal band concerts at school.

Concert Band

Course codes: 11914, 11915, 11916

3 trimesters, 3 credits (year-long commitment)

Grades: 10-12

Prerequisite: Audition required

Concert Band is a year long, hybrid, advanced instrumental performance opportunity in the Tartan Music Program. Students begin trimester one in Concert Band where they continue to develop their instrumental technical and musical skills through a variety of performance opportunities at school and in the community. Trimesters two and three are where students continue working on their technical and performance skills. Students are required to participate in three formal concerts at school, participation in the MSHSL Solo/Ensemble and Large Group Contest, and the Tartan High School graduation ceremony.

Jazz Ensemble

Course code: 11956

1 trimester, 1 credit

Grades: 10-12

Prerequisite: Also enrolled in Concert Band or by audition

Jazz Ensemble performs traditional and contemporary jazz styles at school, in the community, and at regional jazz festivals. Piano, bass, and guitar players may audition for Jazz Ensemble without being in Concert Band.

Varsity Choir

Course codes: 11904, 11905, 11906

3 trimesters, 3 credits

Grades: 9-12

Prerequisite: Middle school choir OR permission from choir director.

Students will explore a variety of choral literature, sight singing, music theory, and team-building. Two evening performances and solo & ensemble contest are included in this course. This is the training choir for Concert Choir.

Concert Choir

Course codes: 11917, 11918, 11919

3 trimesters, 3 credits

Grades: 10-12

Prerequisite: Varsity Choir OR comparable music skills by audition.

Concert Choir is a vocally-balanced course for mixed voices. Concert Choir will perform in the Masterworks Concert, three other concerts throughout the school year, and Large Group Choral Contest. This group will tour every two years.

Music - Instrumental and Vocal

Guitar I

Course code: 11944

1 trimester, 1 credit

Grades: 9-12

Students will learn to read music, play many common chord patterns for popular songs, practice several strumming and finger picking techniques, and play a public performance. This course is a great foundation for students wanting to learn the basics of guitar playing.

Guitar II

Course code: 11945

1 trimester, 1 credit

Grades: 9-12

Prerequisite: Guitar I OR by audition

This class is designed to be a continuation of Guitar I and is appropriate for intermediate level guitar players. Students will further their music reading skills, learn advanced strumming and fingering techniques, study blues, jazz, and classical styles, improvise, and play a public performance.

Guitar III

Course code: 11946

1 trimester, 1 credit

Grades: 10-12

Prerequisite: Guitar II

In this course, students will practice and perform solo and ensemble music, scales, intermediate rhythmic patterns, rock and classical guitar techniques, improvise, and study a variety of guitar styles from around the world. This course will conclude with a student recital of solo and ensemble performances. Guitar III/IV can be taken multiple times in order to continue studying guitar.

Guitar IV

Course code: 11947

1 trimester, 1 credit

Grades: 10-12

Prerequisite: Guitar III

In this course, students will practice and perform solo and ensemble music, study music theory, scales, and advanced rhythmic patterns, advanced rock, jazz, and classical guitar techniques, improvise, and study a variety of guitar styles from around the world. This course will conclude with a student recital of solo and ensemble performances. Guitar III/IV can be taken multiple times in order to continue studying guitar.

Rock Band 101

Course code: 11960

1 trimester, 1 credit

Grades: 10-12

In this class, students will learn basics in reading music, improvisation, and how to make an arrangement for a band from a recording. Students will be required to learn the basics of all the instruments in a rock band (guitar, bass, drums and keyboard) and play a song on each of those instruments. Additionally, each student will have to sing a song with the band. This class will give the aspiring rock musician the musical foundation to be successful in their own rock band. Students must provide an electric guitar for this class.

World Drumming

Course code: 11951

1 trimester, 1 credit

Grades: 9-12

Students will learn West African and Afro Cuban drumming techniques through performance. Additionally, students will learn to improvise and create small group compositions in the style of the music studied and performed in class. Students will perform both individually and in small groups for the class and in public performance. Group presentations are also made on social and historical research of another culture.

Modern Music Production

Course code: 11928

1 trimester, 1 credit

Grades: 9-12

Modern Music Production combines music theory and keyboarding in a project-based format that is centered around writing, playing, and recording pop music. Learn to create beats, bass lines, chords, and melodies using just a computer and a keyboard.

Science

Freshman Year	Earth & Space Science
Sophomore Year	Biology
Junior Year	Introductory Chemistry Chemistry Community Chemistry AP Chemistry I Physics AP Physics
Electives	AP Chemistry II Genetics Environmental Biology Human Anatomy and Physiology Astronomy

Levels of Difficulty

In order for students to judge whether a science course is within their capabilities, each course has been assigned a level-of-difficulty rating.

Level 1: If you have trouble with mathematics, this should not affect your performance in this course. Reading is limited to the level generally found in pamphlets and newspapers distributed to the general public.

Level 2: Mathematical involvement is greater than Level 1 courses, but is not an important concern in this course. It is expected that you can read and write at approximately the average level for your grade level.

Level 3: Mathematical ability is a concern and to some extent determines your performance in this type of course. Your reading ability should be above the average for your grade level. Students in these classes are expected to be more self-directed.

Earth & Space Science

Course codes: 12400, 12401, 12402

3 trimesters, 3 credits

Grade: 9

Difficulty Level: 1

Students will apply scientific reasoning to the oceans, atmosphere, Earth's surface and interior, and space. Topics include Earth's structure, plate tectonics, earthquakes, volcanoes, surface and groundwater, geologic time, stars and interstellar matter, planets, satellites, the atmosphere, global climate patterns, and ocean and air currents.

Biology

Course codes: 12406, 12407, 12408

3 trimesters, 3 credits

Grade: 10

Difficulty Level: 2

Biology is designed to give the student a background in general biological concepts. The topics include scientific processes and methods, cell theory, mechanics of heredity, interdependence of organisms, material cycles and energy flow in the living system. Biology is also a survey of all living organisms, as well as studies on evolutionary theory and ecological principles.

Introductory Chemistry A/B/C

Course codes: 12464, 12465, 12466

3 trimesters, 3 credits

Grades: 10-12

Difficulty Level: 2

Prerequisite: Completed or currently in Intermediate Algebra

This is a lab-based science course designed for students to explore the impact and importance of chemistry in their lives. There is a special emphasis on learning with applications to the real world.

Community Chemistry

Course codes: 12418, 12419, 12420

3 trimesters, 3 credits

Grades: 10-12

Difficulty Level: 2

Prerequisite: Intermediate Algebra

This is a college/university preparatory course designed for individuals who may or may not be going into a science related field of study. It fulfills the university and college admittance requirement for a three trimester science laboratory class. The course approaches chemistry from the point of view of various issues in science confronting the earth's natural resources and community. Specific chemical principles are introduced, as needed, to better understand the central themes. Topics include the chemistry of resources, water, petroleum, along with nuclear, and food chemistry. Laboratory experiments are an integral part of this course. The basis for this course is the Chemistry in the Community curriculum developed by the American Chemical Society.

Chemistry

Course codes: 12412, 12413, 12414

3 trimesters, 3 credits

Grades: 10-12

Difficulty Level: 3

Prerequisites: Geometry

Emphasis is placed on first-hand laboratory experiences. The labs serve to illustrate the chemical concepts and theories presented in class. The topics covered in this course are the dimensional analysis, conversions, density, matter, chemical and physical changes, thermodynamics, atomic structure, quantum mechanics, the periodic table, formula-writing, and the mole. Other topics covered are stoichiometry, chemical equations, bonding, gas laws, kinetics, and nuclear chemistry.

AP Chemistry I *

Course codes: 12424, 12425, 12426

3 trimesters, 3 credits

Grades: 10-12

Difficulty Level: 3

Prerequisites: Completion or currently enrolled in Algebra II w/Trig

AP Chemistry Year 1 covers in greater depth the topics covered in a traditional high school chemistry course. A college-level textbook is used, chemical calculations are more involved and the laboratory work is of greater variety and rigor. This course will enable students to succeed in a first-year college chemistry course OR AP Chemistry Year 2.

* College Credit Opportunity: Please consult your college of choice to see what credits can be earned. See page 3 for more information.

+ College Credit Opportunity: This course may earn an articulated credit. See your counselor for eligibility.

Science

AP Chemistry II *

Course codes: 12427, 12428, 12429

3 trimesters, 3 credits

Grades: 11-12

Difficulty Level: 3

Prerequisites: AP Chemistry Year I OR Chemistry with instructor approval AND completion of Algebra II w/Trig

AP Chemistry Year 2 covers the topics of a first year college chemistry course. A college-level textbook is used and the laboratory component of the course is equivalent to the rigor of a college-level laboratory course.

Physics

Course codes: 12430, 12431, 12432

3 trimesters, 3 credits

Grades: 11-12

Difficulty Level: 3

Prerequisite: Geometry

This course will provide an overview of classical physics with an emphasis on mathematical problem solving. Topics will include motion and forces in both one and two dimensions, energy, electricity, magnetism, mechanical waves, and light. This course is designed for students pursuing college degrees such as science, engineering, or medicine.

AP Physics I *

Course codes: 12440, 12441, 12442

3 trimesters, 3 credits

Grades: 11-12

Difficulty Level: 3

Prerequisite: Completed or currently enrolled in Pre-Calculus

Students explore principles of Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits. The course is based on six Big Ideas, which encompass core scientific principles, theories, and processes that cut across traditional boundaries and provide a broad way of thinking about the physical world.

Genetics

Course code: 12451

1 trimester, 1 credit

Grades: 10-12

Difficulty Level: 3

Prerequisite: Biology

This course will begin with the study of how the cell divides and will end with studying the impact of genetic engineering on mankind. Specific topics of study include DNA/RNA, mitosis, the study of Mendel's principles, and genetic engineering. This course is designed for students pursuing a college degree in science or medicine.

Environmental Biology

Course code: 12449

1 trimester, 1 credit

Grades: 10-12

Difficulty Level: 2

Prerequisite: Biology

This course will help students understand how different groups of organism fulfill a role in the environment. Environmental issues will be addressed that focuses on Minnesota's natural resources as well as other resources throughout the world. Hands-on lab investigations are the core of this class. The class will focus on concepts and skill building from a variety of science fields; Microscopy, Microbiology and Ecology.

Astronomy

Course code: 12446

1 trimester, 1 credit

Grades: 11-12

Difficulty Level: 2

Prerequisite: 9th grade science courses

Dig deeper into the space beyond us and understand the objects in the sky while others only wonder. Topics include mapping the sky, investigating technology, deep space objects and the solar system. Students must be able to transport themselves to at least one required evening star party.

Human Anatomy and Physiology 1

Course Code: 12453

1 trimester, 1 credit

Grades: 11-12

Prerequisites: Biology A, B & C

Build on the skills developed in Biology by investigating the fascinating structures and systems of the human body.

* College Credit Opportunity: Please consult your college of choice to see what credits can be earned. See page 3 for more information.

+ College Credit Opportunity: This course may earn an articulated credit. See your counselor for eligibility.

Social Studies

Freshman Year Choose 1	Sophomore Year Choose 1	Junior Year Choose 1	Senior Year Choose 1 Economics and 1 Political Science
Social Studies 9	World History	U.S. History	Economics
*AP Human Geography	*AP World History	*AP U.S. History	CIS Macroeconomics
			Political Science
			CIS Political Science

Additional Electives

Abnormal Psychology, CIS Microeconomics, Contemporary Sociology
Criminology and the Law, Criminology II, Introduction to Psychology, World at War

***AP courses are college-level curriculum and require a full school year commitment. Students self select their participation and should be ready for the rigors of the class. Students will not be allowed to drop an AP course unless criteria for a schedule change is met.**

Social Studies

Social Studies 9

Course codes: 12500, 12501

2 trimesters, 2 credits

Grade: 9

This is a two-trimester survey course required for all ninth grade students. Concepts of physical geography are reviewed. Emphasis placed on land use, cultural diffusion, settlement patterns and global interconnectivity will be covered in depth.

AP Human Geography *

Course codes: 12504, 12505, 12506

3 trimesters, 3 credits

Grade: 9

This course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of the Earth's surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice. Students can expect daily homework, reading, and a significant amount of writing (free response) on exams.

World History

Course codes: 12511, 12512, 12513

3 trimesters, 3 credits

Grade: 10

Survey course covers major developments in early history, cultural and socio-political movements, and historical figures. Units include prehistory, ancient history, early world civilizations, new developments in government and society, the age of exploration, industrialization and imperialism, World War I, World War II, the Cold War, the fall of Communism, and current issues.

AP World History: Modern *

Course codes: 12514, 12515, 12516

3 trimesters, 3 credits

Grade: 10

AP World History: Modern is an introductory college-level modern world history course. Students cultivate their understanding of world history from c. 1200 CE to the present through analyzing historical sources and learning to make connections and craft historical arguments as they explore concepts like humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation.

U.S. History

Course codes: 12526, 12527, 12528

3 trimesters, 3 credits

Grade: 11

US History is a survey course that focuses on the social, political and economic events that shaped American life beginning in the colonial era spanning the present. Students will also consider America's place in the world. Students learn map skills, develop critical thinking, and learn how to analyze primary source documents.

AP U.S. History *

Course codes: 12529, 12530, 12531

3 trimesters, 3 credits

Grade: 11

Advanced Placement U.S. History is designed to provide students with the analytical skills and factual knowledge necessary to examine the content and significance of major events in American history. It prepares students for college by making demands on them that are equivalent to those of an introductory-level college course.

* College Credit Opportunity: Please consult your college of choice to see what credits can be earned. See page 3 for more information.

+ College Credit Opportunity: This course may earn an articulated credit. See your counselor for eligibility.

Social Studies

Economics

Course code: 12535

1 trimester, 1 credit

Grade: 12

This is a survey course that will enable students to gain an understanding of the free enterprise system. The economic concepts of scarcity, opportunity cost, supply and demand, inflation, monetary and fiscal policy, and international trade will be examined. The course is designed to provide students with the knowledge and skills needed to understand and make reasoned judgements about major economic questions they will face as consumers, producers, savers, and investors in today's society.

CIS Macroeconomics *

Course code: 12539

1 Semester, 1.5 Credits

Grade: 12

Prerequisites: Top 20% of graduating class OR a B or higher in Algebra II w/Trig OR a GPA of 3.25 or higher OR teacher permission

This half year course is designed to be an intensive study of macroeconomics at an introductory college level. The curriculum includes aspects of supply and demand; the money and banking system; distribution of income; the government's role in the economy; fiscal and monetary policy; as well as international trade. In addition, there will be a strong emphasis on current events and the practical implementation of economic decisions and policies.

CIS Microeconomics *

Course code: 12540

1 Semester, 1.5 Credits

Grade: 12

Prerequisites: CIS Macroeconomics AND Top 20% of graduating class OR a B or higher in Algebra II w/Trig OR a GPA of 3.25 or higher OR teacher permission

This half year course is designed to be an intensive study of microeconomics at an introductory college level. The curriculum includes aspects of supply and demand; the nature and function of product and factor markets; price determination; market structures; the roles of households, businesses and governments in economic decision making; as well as public goods and externalities. In addition, there will be a strong emphasis on current events and the practical implementation of economic decisions and policies.

Political Science

Course code: 12544

1 trimester, 1 credit

Grade: 12

Political science provides students with the basic skills needed to strengthen their critical thinking skills and enhance their role in the American political system. This course will emphasize the differences in how power and authority are divided within the United States and around the world. Students will be asked to look more closely at the American political system in regards to the US Constitution, the citizenship/naturalization process, ideological differentiation found in the US, and the history of the suffrage movements and current election system. This class is required for graduation.

CIS Political Science *

Course code: 12547

1 Semester, 1.5 Credits

Grade: 12

Prerequisites: Student should have a cumulative GPA in a recent social science course(s) that exceeds a 3.25, OR Top 20% of graduating class OR teacher permission prior to registration.

Introduction to politics and government in the United States. Constitutional origins and development, major institutions, parties, interest groups, elections, participation, public opinion. Ways of explaining politics and the nature of political science. Recent trends emphasized.

Introduction to Psychology

Course code: 12559

1 trimester, 1 credit

Grade: 11-12

Introduction to Psychology is designed to introduce the major topics covered in an introductory-level college psychology course. Topics include historical and current schools of thought about the brain and behavior as well as a look at the current career field in psychology. Units of study include methods of psychological research, theories of personality, biology and behavior and developmental psychology.

* College Credit Opportunity: Please consult your college of choice to see what credits can be earned. See page 3 for more information.

+ College Credit Opportunity: This course may earn an articulated credit. See your counselor for eligibility.

Social Studies

Abnormal Psychology

Course code: 12551

1 trimester, 1 credit

Grades: 11-12

Abnormal Psychology provides an overview of major mental health topics in our society and the theoretical underpinnings for dealing with them. The course examines topics such as the views of abnormality, misperceptions about the mentally ill, prevention and the resilience factors of mental illness as well as a survey of the various disorders within the DSM-5, published by the American Psychiatric Association.

World at War

Course code: 12561

1 trimester, 1 credit

Grades: 11-12

This course will examine the relationship between warfare and the way society has developed throughout world history. The course will delve into the intense and brutal subject of warfare. Although the methods of warfare have changed drastically from clubs to cruise missiles, the motivations for warfare show a distinct continuity. The course will be centrally concerned with the causes of war and how wars have impacted world history. Some of the topics examined include the causes of war, the importance of studying warfare, warfare in the Greek and Roman world, warfare in the Medieval world, the “Asian way of war” under samurai and Mongols, warfare in the Age of Napoleon, warfare in the Modern Age, and current global conflicts.

Criminology and the Law

Course code: 12556

1 trimester, 1 credit

Grades: 11-12

This course explores the various aspects of crimes which commonly occur in the United States today and the legal system, which has evolved to deal with those individuals who participate in such illegal behaviors. Two major themes will be developed: 1) What is criminal behavior and how does it affect people’s lives and the society in which we live?, and 2) How does our legal system attempt to cope with it? This course will be divided into the following units: comparison between criminal and civil law, 4th Amendment— search and seizure, 5th Amendment—due process, self-incrimination, and double-jeopardy, 6th Amendment—speedy public jury trial and right to counsel, 8th Amendment—cruel and unusual punishment, 14th Amendment—state due process, and a unit on juvenile issues.

Criminology II

Course code: 12557

1 trimester, 1 credit

Grades: 11-12

Students will examine the criminal procedure through the premise of the 4th, 5th, 6th and 8th Amendments of the U.S. Constitution. Particular focus will be placed on search and seizure, the rights of the accused before and during the trial procedures, sentencing guidelines (cruel and excessive), and the rehabilitation of convicted criminals. In addition to class lectures and supplemental readings, students will be expected to work independently on research and class projects through current events and precedent setting court cases.

Contemporary Sociology

Course code: 12555

1 trimester, 1 credit

Grades: 11-12

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. Students will study people and the roles they play in society, both as individuals and groups. Topics of interest include: the family, education, political and economic institutions, religion, and sport.

Ethnic Studies

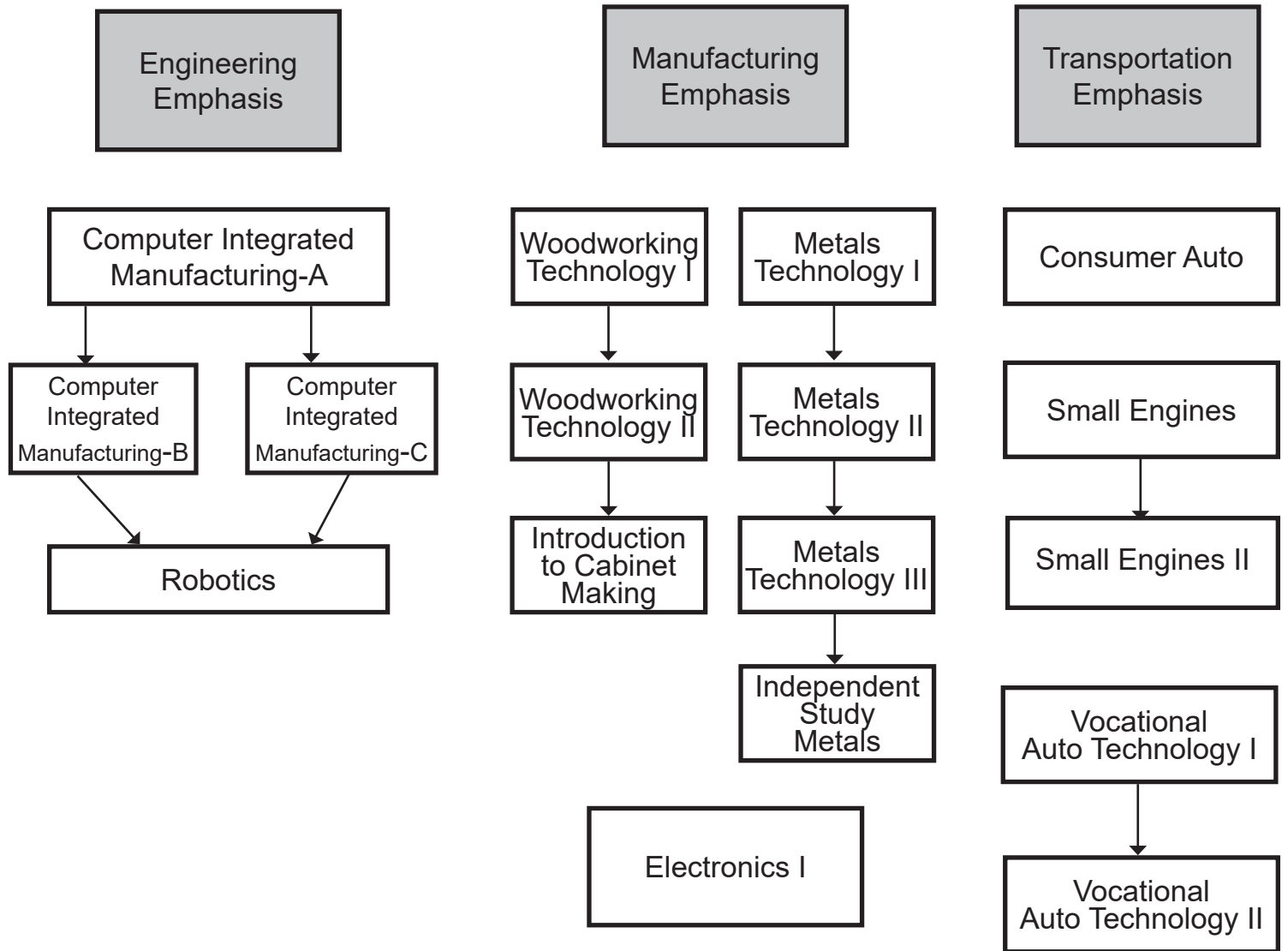
Course code: 12566

1 trimester, 1 credit

Grades: 11-12

This course is meant to educate students to be socially, politically and economically conscious about their personal connections to local and national history. It addresses social justice, social responsibility, and social change. The course spans from past to present, allowing students to identify similar social patterns and universal qualities present in other societies and their own. It also includes an identity section where students consider concepts related to their own personal, group, and/or national identity. The course will explore cultural issues thematically and it will also focus on the experiences of Native Americans, Latinx Americans, African Americans, and Asian Americans and the LGBTQ community. Students taking this course should be prepared to read thoroughly, think openly, write effectively, research carefully, and discuss respectfully.

Technology Education



Technology Education

Consumer Auto

Course code: 13008

1 trimester, 1 credit

Grades: 10-12

Prerequisite: No credit if taken after Vocational Auto Tech I

This course is designed for the student NOT planning to become an auto technician. It will develop skills in acquiring and maintaining a motor vehicle. Basic repair procedures, troubleshooting, and system maintenance will be demonstrated and taught. This course is classroom-oriented with some laboratory experiences provided.

Small Engines

Course code: 13005

1 trimester, 1 credit

Grades: 9-12

Small engine repair includes hands-on lab work, reading assignments, and written classroom exercises. Students in this class will learn principles of engine operation and construction, the differences between 2- and 4-stroke engines, carburetion, complete disassembly and reassembly of small gasoline engines, and mechanical components of an engine. Reading from technical manuals (repair and service manuals) is an essential part of this course, as is the ability to measure and perform mathematical calculations related to small engine mechanics.

Small Engines II

Course Code: 13006

1 trimester, 1 credit

Grades: 9-12

Prerequisite: Small Engines I

Students will engage in an in-depth study of small engines with emphasis placed on 2-cycle operation, overhead valve design, and multi-cylinder theory. Students are strongly encouraged to bring a riding lawn mower, motorcycle, snowmobile, outboard, or similar engine types to class.

Vocational Auto Technology I

Course code: 13009

1 trimester, 1 credit

Grades: 10-12

This course is an introduction to the automobile for students who are considering a career in automotive technology or for students who are interested in studying the automobile in-depth. Entry-level occupational skills such as tire repair and service, use of the air impact and torque wrenches, cooling system service, complete lubrication service, and uses of technical information systems are presented. Further coursework will include safety, lifting, tool identification, and small engine repair.

Vocational Auto Technology II

Course code: 13010

1 trimester, 1 credit

Grades: 10-12

Prerequisite: Vocational Auto I

This course is for students who have demonstrated a strong interest in transportation. Students will gain advanced experiences in engine fundamentals, classifications, top end construction, bottom end construction, and engine size and performance measurements. Students will disassemble, measure, and reassemble a provided automotive engine using the service manual as a guide.

Woodworking Technology I

Course code: 13020

1 trimester, 1 credit

Grades: 9-12

This course is a classroom/laboratory combination which provides students with the opportunity to learn hand and power tool operations. Students will learn how to safely set up and use most power tools used in today's industry; students will be able to customize projects and learn how to operate and program a laser engraver.

Woodworking Technology II +

Course code: 13021

1 trimester, 1 credit

Grades: 9-12

Prerequisite: Woodworking Technology I

Students taking this course will have the opportunity to further develop and gain more experience using and operating hand tools and power equipment. This course will help to improve problem solving skills in carpentry and students will learn how to operate both a laser engraver and a CNC router machine. Student projects will consist of an engraved wall plaque, a coffee table or an Adirondack chair.

Woodworking Technology III +

Course code: 13022

1 trimester, 1 credit

Grades: 10-12

Prerequisite: Woodworking Technology II

This is an introductory class, students will have an opportunity to further develop using and operating hand tools and power equipment. This course will help students to improve problem solving skills in carpentry and students will operate both a laser engraver and a CNC router machine. This course will introduce furniture style and student design concepts, students will learn to plan and design their own final project. The student will pay for any additional materials needed for their designed project.

Technology Education

Electronics I

Course code: 13000

1 trimester, 1 credit

Grades: 9-12

Students learn basic electrical theory, Ohm's law, series & parallel circuits, magnetism, AC/DC meters and solid state devices. Students will use test equipment to troubleshoot and problem solve testing electronic circuits.

Metals Technology I

Course code: 13029

1 trimester, 1 credit

Grades: 9-12

In this course, students will explore occupational areas in welding, sheet metal fabrication, mechanics, computerized numerical control operation and programming, foundry, tool and die making, and more. Projects are constructed in each of the areas mentioned.

Metals Technology II

Course code: 13030

1 trimester, 1 credit

Grades: 9-12

Prerequisite: Metals Technology I

Topics covered in this course build on processes learned in Metals Technology 1. Students will have an opportunity to learn such processes as stick welding, oxy-acetylene welding and cutting, plasma cutting, metal fabrication, and machine shop operations. After completing required class exercises, students will plan and build a project of their choice.

Metals Technology III

Course code: 13031

1 trimester, 1 credit

Grades: 10-12

Prerequisite: Metals Technology II

Students who have successfully completed Metals Technology 2 may take this independent study course. Students will work on their own projects with instructor guidance. The price of materials will vary with the student's ambitions. Project suggestions can be provided.

Computer Integrated Manufacturing - A

Course code: 13044

1 trimester, 1 credit

Grades: 9-12

This course is an introduction to personal/industrial digital fabrication. The Fab Lab is designed to allow participants to explore their interests in a variety of fields including graphic design, art, business, computer-assisted design (CAD), physical and natural sciences, mathematics, and engineering. Over the course of this class, you will learn to use commercially available technologies such as Milling Machines, CNC Plasma Cutters, 3D Printers, Engraving/Embossing Machines, and other rapid prototyping technologies to conceptualize, design, and fabricate ideas.

Computer Integrated Manufacturing - B

Course code: 13045

1 trimester, 1 credit

Grades: 9-12

Prerequisite: Computer Integrated Manufacturing - A

This course will focus on Mechanical Engineering allowing participants to follow the design process by identifying a problem, researching, brainstorming, designing, prototyping/creating, and evaluating the solution. This class will involve graphic design, art, business, computer-assisted design (CAD), physical and natural sciences, mathematics, and engineering. Over the course of this class, students will demonstrate innovation and creativity using commercially available technologies such as Milling Machines, CNC Plasma Cutters, 3D Printers, Engraving/Embossing Machines, and other rapid prototyping technologies to conceptualize, design, and fabricate ideas within the mechanical world.

Computer Integrated Manufacturing - C

Course code: 13046

1 trimester, 1 credit

Grades: 9-12

Prerequisite: Computer Integrated Manufacturing - A or Computer Integrated Manufacturing A/B

This course will focus on Electrical Engineering allowing participants to follow and learn about the various components that make things work in our world of electronics and electricity. This class will involve graphic design, art, business, computer-assisted design (CAD), physical and natural sciences, mathematics, and engineering. Over the course of this class, students will demonstrate innovation and creativity using commercially available technologies such as Milling Machines, CNC Plasma Cutters, 3D Printers, Engraving/Embossing Machines, and other rapid prototyping technologies to conceptualize, design, and fabricate ideas within the electronics world.

* College Credit Opportunity: Please consult your college of choice to see what credits can be earned. See page 3 for more information.

+ College Credit Opportunity: This course may earn an articulated credit. See your counselor for eligibility.

Technology Education

Robotics

Course code: 13001

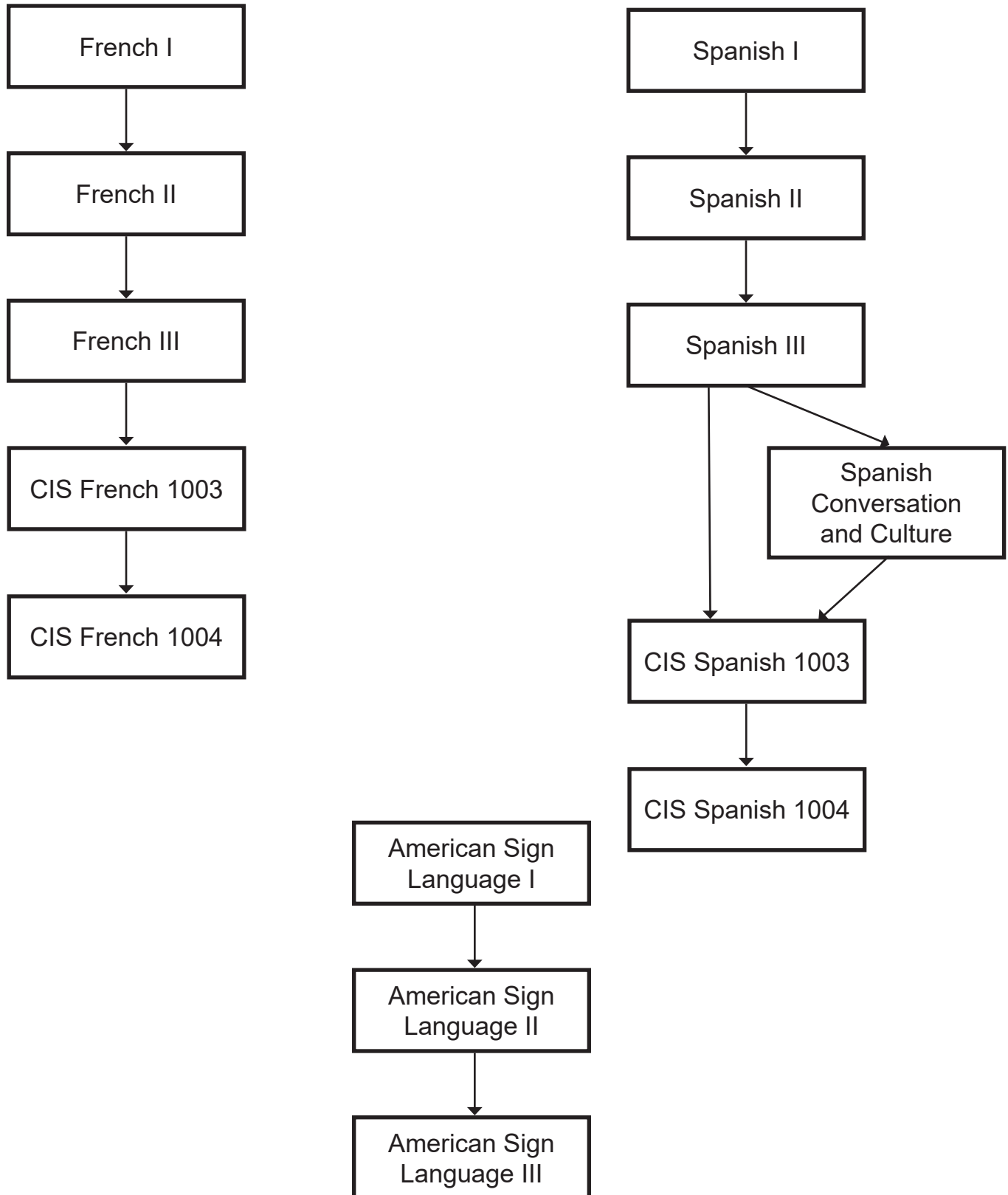
1 trimester, 1 credit

Grades: 10-12

Prerequisite: Computer Integrated Manufacturing - B or C

This course is designed for the highly-motivated student who has a strong interest in design, engineering, and robotics. Using the FIRST Robotics Challenge as a basis, students will learn design, 3D modeling (using Inventor), electronic controls, and programming. FIRST is sponsored by many colleges and universities, including the University of Minnesota, and offers over \$15 million in scholarships.

World Language



World Language

French I

Course codes: 13100, 13101, 13102

3 trimesters, 3 credits

Grades: 9-12

Students will work on acquiring beginning-level competence in interpretive, interpersonal, and presentational communication. Content themes—self, school, family, food, home, making plans and travel—are explored through speaking, listening, reading, and writing. Approximately 90% of the interactions will be conducted in the target language.

French II

Course codes: 13103, 13104, 13105

3 trimesters, 3 credits

Grades: 9-12

Prerequisite: French I OR instructor permission

Students continue acquiring competence in interpretive, interpersonal, and presentational communication. Content themes—self, school, family, food, home, daily routines, travel, and shopping—are explored through speaking, listening, reading, and writing. Approximately 90% of the interactions will be conducted in the target language.

French III

Course codes: 13106, 13107, 13108

3 trimesters, 3 credits

Grades: 9-12

Prerequisite: French II OR instructor permission

Students continue acquiring competence in interpretive, interpersonal, and presentational communication. Content themes extend from self, outward to community and beyond. This course includes authentic literary selections and closer study of target cultures. Approximately 90% of the interactions will be conducted in the target language.

CIS French 1003 *

Course codes: 13112, 13113, 13114

3 trimesters, 3 credits

Grades: 11-12

Prerequisite: French III OR instructor recommendation

Content will include the culture of France, culture of the Francophone countries, grammar study and extensive proficiency-based activities. This includes writing in French and discussion of French literature. Due to the rigor of this course and University of Minnesota requirements, students must have earned a grade of C or better in their previous French class (French III).

CIS French 1004 *

Course codes: 13118, 13119, 13120

3 trimesters, 3 credits

Grade: 12

Prerequisite: CIS 1003 with a grade of C- or better

Content will include the culture of France, culture of the Francophone countries, grammar study and extensive proficiency-based activities. This includes writing in French and discussion of French literature.

Spanish I

Course codes: 13142, 13143, 13144

3 trimesters, 3 credits

Grades: 9-12

Students will work on acquiring beginning-level competence in interpretive, interpersonal, and presentational communication. Content themes—self, school, family, food, home, making plans and travel—are explored through speaking, listening, reading, and writing. Approximately 90% of the interactions will be conducted in the target language.

Spanish II

Course codes: 13145, 13146, 13147

3 trimesters, 3 credits

Grades: 9-12

Prerequisite: Spanish I OR instructor permission

Students continue acquiring competence in interpretive, interpersonal, and presentational communication. Content themes—self, school, family, food, home, daily routines, travel, and shopping—are explored through speaking, listening, reading, and writing. Approximately 90% of the interactions will be conducted in the target language.

Spanish III

Course codes: 13148, 13149, 13150

3 trimesters, 3 credits

Grades: 9-12

Prerequisite: Spanish II OR instructor permission

Students continue acquiring competence in interpretive, interpersonal, and presentational communication. Content themes extend from self, outward to community and beyond. This course includes authentic literary selections and closer study of target cultures. Approximately 90% of the interactions will be conducted in the target language.

* College Credit Opportunity: Please consult your college of choice to see what credits can be earned. See page 3 for more information.

+ College Credit Opportunity: This course may earn an articulated credit. See your counselor for eligibility.

World Language

Spanish Conversation and Culture

Course codes: 13157, 13158, 13159

3 trimesters, 3 credits

Grades: 9-12

Prerequisite: Spanish III OR instructor permission

This course will help students improve proficiency while increasing understanding of representative cultures. Students will learn via a variety of activities, assessments, and interpersonal situations. They will have an additional opportunity to further prepare for CIS Spanish or maintain proficiency for post-secondary and/or career education. Approximately 90% of the interactions are in the target language.

CIS Spanish 1003 *

Course codes: 13139, 13140, 13141

3 trimesters, 3 credits

Grades: 11-12

Prerequisite: Spanish III OR Spanish Conversation and Culture OR instructor permission

Content will include the culture of Spanish speaking countries, grammar study and extensive proficiency-based activities. This includes writing in Spanish and discussion of Spanish literature. CIS 1003 is designed for students who would like to enroll in CIS Spanish and would benefit from the additional time afforded by a year-long course. Due to the rigor of this course and University of Minnesota requirements, students must have earned a grade of C better in their previous Spanish class (Spanish III or Spanish Conversation and Culture).

CIS Spanish 1004 *

Course codes: 13182, 13183, 13184

3 trimesters, 3 credits

Grade: 12

Prerequisite: CIS 1003 with a grade of C- or better

Content will include the culture of Spanish speaking countries, grammar study and extensive proficiency-based activities. This includes writing in Spanish and discussion of Spanish literature. CIS 1004 is designed for students who would benefit from additional time afforded by a year-long course.

Heritage Language - Spanish

Course codes: 13160, 13161, 13162

3 trimesters, 3 credits

Grade: 9-12

Prerequisites: Primarily speak Spanish in the home AND family request AND instructor permission

Este curso ha sido diseñado para el estudiante que habla español con fluidez. La clase será impartida estrictamente en español. El énfasis será puesto en el mejoramiento y aprendizaje de las destrezas en la lectura, la redacción, y la gramática. El objetivo es el de proveer al estudiante las habilidades académicas necesarias para manejar el lenguaje más sofisticadamente en el discurso escrito y oral. El curso también le ofrece al estudiante la oportunidad de aprender a apreciar la riqueza de la cultura hispana por medio de elementos históricos, culturales y lingüísticos.

This course has been designed for students who speak Spanish fluently. The class will be instructed in Spanish. Emphasis will be on the improvement and learning of skills in the areas of reading, writing and grammar. The objective is to provide Spanish speaking students with academic skills in the language. The course will also offer students the opportunity to appreciate the richness of Hispanic culture by studying historical, cultural and linguistic elements.

* College Credit Opportunity: Please consult your college of choice to see what credits can be earned. See page 3 for more information.

+ College Credit Opportunity: This course may earn an articulated credit. See your counselor for eligibility.

World Language

American Sign Language I

Course codes: 13166, 13167, 13168

3 trimesters, 3 credits

Grades: 9-12

This course is for students with limited or no experience in American Sign Language. Students will begin to understand and sign American Sign Language. Students will become acquainted with the American Deaf culture.

American Sign Language II

Course codes: 13169, 13170, 13171

3 trimesters, 3 credits

Grades: 9-12

Prerequisite: American Sign Language I OR Instructor permission

Continuation of Signing Naturally curriculum units. Develop expressive skills in narrative and spontaneous dialogues. Develop receptive and expressive skills in vocabulary building, grammar structures, and story telling. Examination of Deaf culture, history, values, social norms, and how they play an important role in the Deaf community.

American Sign Language III

Course codes: 13172, 13173, 13174

3 trimesters, 3 credits

Grades: 9-12

Prerequisite: American Sign Language II OR Instructor permission

ASL III provides students the opportunity to develop greater fluency and receptive capacity of American Sign Language including clarity of sign production and flow and cadence between signs. Students will also expand their understanding of ASL Grammar, including all linguistic elements such as sentence types, question types, depiction verbs (e.g. classifiers), and grammatical categories. Students that take ASL III will be better prepared to continue their learning at the collegiate level.

Non Departmental

Torch Yearbook

Course code: 12205

1 trimester, 1 credit

Grades: 10-12

In this course, students will learn skills in yearbook production that will prepare them for a position on the yearbook staff. Topics include marketing the yearbook, concept development, layout design, creative writing, photography, and learning the on-line software. A commitment to work outside of the class is required.

Leadership

Course code: 12206

1 trimester, 1 credit

Grades: 9-12

This course is designed to encourage students to identify and expand on their personal leadership skills. Students will be exposed to a variety of leadership qualities and activities through self-assessments, classroom discussions, leadership literature and community-building events. Students will learn to identify their personal leadership strengths and weaknesses, set goals for short and long-term leadership growth and reflect and analyze on the "power of one".

AFJROTC is offered at North High School.

Students must provide their own transportation to North. Contact your school counselor if you have any questions.

Air Force JROTC II

Course code: 11002, 11003

2 trimester, 2 credits

Grades: 9-12

This is a two trimester course that focuses on the basic human requirements of flight, the physiological effects of flight and the aerospace environment. The course provides leadership experiences that help develop effective communication, leadership styles and traits, team dynamics and team building, and the behaviors of leaders. Cadets will also learn/refine basic military drill procedures and military dress and appearance. Health/wellness will consist of weekly team sports, cardio and strength training and other fun activities.

Air Force JROTC IV

Course code: 11006, 11007, 11008

3 trimesters, 3 credits

Grade: 12

Prerequisite: Any previous course set of AFJROTC

Cadets manage the entire corps during the year. This hands on experience allows the cadets the opportunity to put the theories of previous leadership courses to practice. The planning, coordinating, directing and decision making will be completed by the cadets. Students will also learn about financial planning, resume writing, completing college and employment applications, interviewing and how to succeed post high school.

Activities and Athletics

Activities

American Sign Language (ASL)
Asian Student Alliance (ASA)
Band
Book Club (The Real)
Business Professionals of America (BPA)
Choir
DECA
French Club
Fusion Drumline
Gay Straight Alliance (GSA)
Golden Prom
Graphic Novel Production Club
High Schools Against Cancer (HAC)
Knowledge Bowl
Link Crew
Math Team
National Honor Society (NHS)
Prom Committee
Robotics Team
Scholars Organizing Unity through Leadership (S.O.U.L.)
Students Against Destructive Decisions (S.A.D.D.)
Skills USA
Speech Team
Student Council
Superfans
Tartan Plaid Press (Newspaper)
Tartan Torch (Yearbook)
Theatre/Drama
Uprising
Video Club
SHINE

Fall Sports

Adapted Soccer
Boys Cross Country
Girls Cross Country
Football
Boys Soccer
Girls Soccer
Girls Swimming & Diving
Girls Tennis
Volleyball

Winter Sports

Adapted Floor Hockey
Boys Basketball
Girls Basketball
Dance Team
Gymnastics
Boys Hockey
Girls Hockey
Boys Nordic Ski
Girls Nordic Ski
Boys Swimming & Diving
Wrestling

Spring Sports

Adapted Bowling
Baseball
Boys Golf
Girls Golf
Boys Lacrosse
Girls Lacrosse
Softball
Boys Tennis
Boys Track & Field
Girls Track & Field
Trap Shooting

Northeast Metro 916 Career & Tech Center 2023-24 Programs

(All programs eligible for high school elective credit. Certifications/credentials and college credit dependent on program specific criteria.)

ARTS, COMMUNICATIONS, AND INFORMATION SYSTEMS

INFORMATION TECHNOLOGY: REPAIR, NETWORK, CYBERSECURITY

- Solve real-world technology problems for by using high-tech troubleshooting techniques
- Experience the power of Python programming to unlock the worlds of automation plus game and software development
- Protect computers and networks to defend against criminal and terrorist threats

R3 *College Credit, Certifications, Scholarships*

ANIMATION AND GAME DESIGN

- Unleash the power of art and technology to produce eye-catching graphics and motion
- Bring a creative vision to life using professional techniques, high-tech gaming and other visual media
- Showcase your abilities alongside other creative and technical individuals while creating a professional portfolio

R2 *College Credit, Career Experiences, Scholarships*

HEALTH SCIENCE TECHNOLOGY

DENTAL CAREERS

(grade 12 only)

- Develop a passion to educate adults and children on the importance of oral health, hygiene, and diet
- Perform a wide range of dental services including chairside assistance, instrument transfer, and oral impressions,
- Explore careers in this fast-growing healthcare field such as orthodontics, oral surgery, and endodontics

R3 *College Credit, Certifications, Local/State/Nat. Competitions*

EMERGENCY MEDICAL TECHNICIAN

(grade 11 or 12)

- Experience the thrill of saving lives in real-world emergency situations where your actions make a difference
- Perform detailed medical and trauma patient assessments using advanced emergency equipment
- Engage in ambulance ride-alongs, 911 call center job shadowing, and auto extrications

R3 *College Credit, Scholarships, Local/State/Nat. Competitions*

MEDICAL CAREERS SERIES

For more info, please visit: bit.ly/916medcareers

- 1) **Medical Careers- Introduction** (grade 10 and up) **R2**
- 2) **Nursing Assistant** (grade 10 and up) **R3**
- 3) **Phlebotomy (Blood Draw)** (grade 12 only) **R3**
- 4) **Work Based Learning/Mentor Connection** (work release)
-Must hold certification and provide own transportation
College Credit, Certifications, Local/State/Nat. Competitions

How to Register

Students interested in attending courses at 916 Career and Tech must register through their counselor at their home school. For more information, visit www.916careertech.org

ENGINEERING, MANUFACTURING, & TECHNOLOGY

AUTOMOTIVE AND WELDING CAREERS: INTRODUCTION

(1 or 2 year program) / (grade 10 and up)

- Jumpstart your future in the automotive industry preparing for careers such as: automotive mechanic, tire, lube or auto collision technician
- Explore welding such as MIG, TIG, Stick, acetylene, and virtual methods
- Experience a real-life automotive shop environment utilizing the same tools and equipment as professionals

R1 *Professional Skills, Scholarships, Professional Networking*

AUTOMOTIVE TECHNOLOGY

(1 or 2 year program)

- Maintain, repair, and fine-tune a wide range of vehicles alongside an ASE Master Technician in a full-service automotive center
- Utilize the same advanced diagnostic and repair equipment as industry professionals to troubleshoot complex systems
- Optimize vehicle operation and performance using applied critical thinking and problem solving

R3 *Certifications, College Credit, Paid Internships*

CONSTRUCTION OCCUPATIONS: STUDENT BUILT HOME

(1 or 2 year program)

- Experience the satisfaction of building an upscale residential home from the ground up
- Operate power tools in carpentry, masonry, plumbing, HVAC, and electrical while working alongside professionals
- Apply critical thinking to manage construction teams and interpret blueprints

R2 *Apprenticeships, Certifications, College Credit*

CONSTRUCTION OCCUPATIONS: LICENSED TRADES

- Get hands-on, real world experience in the licensed trades of plumbing, HVAC, electrical, and solar/renewable energy
- Fast track yourself by attaining the skills and knowledge that lead to success in post-secondary training or direct entry into the workforce
- Engage in hands-on activities used in residential, commercial, and industrial settings

R2 *Career Experiences, Certifications, College Credit*

DIESEL TRUCKS AND ENGINE TECHNOLOGY

(1 or 2 year program)

- Diagnose, repair, overhaul, and assemble diesel-powered engines for trucks, trains, and power generation equip
- Utilize the same advanced equipment as industry professionals in this high-demand, high-paying field
- Network with local employers and training programs

R2 *College Credit, Certifications, Competitions*

R1 = Rigor Level 1; opportunity to earn industry credentials
R2 = Rigor Level 2; R1 + opportunity to earn college credits
R3 = Rigor Level 3; R1 + R2 + college level curriculum

Northeast Metro 916 Career & Tech Center 2023-24 Programs

(All programs eligible for high school elective credit. Certifications/credentials and college credit dependent on program specific criteria.)

HUMAN SERVICES

CAREERS IN EDUCATION

- Do you want to be a teacher? Get a head start on college coursework for K-12 teaching
- Engage in your local community school with classroom field experience hours
- Prepare to make a difference in the lives of students through multiple approaches to teaching and learning

R3 *College Credit, Certifications, Field Experience*

COSMETOLOGY: GENERAL

(1 or 2 year program)

- Express individual creativity by providing a wide range of artistic hair, nail, and skincare services using the latest technology, trends, and name-brand products
- Network with guest speakers and industry connections
- Work in a simulated full-service salon and spa while performing services according to industry standards

R2 *MN Cosmetology Board Hours, Portfolio, Scholarships*

COSMETOLOGY: NAIL TECHNOLOGY AND ESTHIOLOGY (SKIN)

(1 or 2 year program)

- Grow your ability to care for, repair, and beautify skin with salon quality products
- Express/develop your creativity/skills in nail design and extension using builder gel, acrylic, and dip systems
- Jumpstart your career with skills to perform eyelash extensions, tinting, perming, facials, body scrubs, waxing and makeup

MN Board Nail Tech or Esthetician License, College Credit,
R2 *MN Cosmetology Board Hours*

CRIMINAL JUSTICE AND LAW ENFORCEMENT

- Make a difference by being entrusted to improve community relationships and protect citizens
- Engage in police ride-alongs, auto extrications, and community involvement
- Explore how state and federal laws work to keep people safe and analyze the causes and effects of criminal behavior

R3 *Field Experiences, College Credit, Scholarships*

AGRICULTURE, FOOD, & NATURAL RESOURCES

ANIMAL SCIENCE & NATURAL RESOURCES

(1 or 2 year program)

- Help animals, the environment, and your community through in-depth exploration of animal and plant sciences
- Experience animal genetics, nutrition, first aid and health care, with live animals, modeling, and simulations
- Jumpstart a career in Minnesota ecosystems: water, soils, forestry, and wildlife.

R2 *College Credit, FFA, Field Experience*

BUSINESS MANAGEMENT & ADMINISTRATION

ENTREPRENEURSHIP, TRAVEL, AND SOCIAL MEDIA MARKETING

- Be the boss, develop an entrepreneurial spirit, and build your own business
- Tell a story of branding and promotion through video and podcast mediums
- Design, prototype, and launch advertising sales and public relations campaigns for a wide range of products including travel

R2 *College Credit, Career Experiences, Scholarships*

HOSPITALITY CAREERS: INTRODUCTION

(grade 10 and up)

- Create the perfect guest experience by gaining valuable skills for careers such as hotel front desk, housekeeping, customer service, retail, catering, and transportation
- Explore a variety of entry level careers in hospitality through engaging activities and guest speakers
- Network with local employers in this fast-paced high-demand career pathway

R1 *Scholarships and Field Experiences*

EXPLORATION & ENRICHMENT

MENTOR CONNECTION: HONORS

- Connect your passion to relevant career fields, sharpen your focus, and develop a deeper understanding of what it takes to succeed
- Collaborate with a personal mentor and network with professionals in your field
- Create a portfolio and develop an early professional reputation showcasing your interests

R3 *Honors Distinction, Field Experience, Scholarships*

PRACTICAL ASSESSMENT EXPLORATION SYSTEM (PAES) PLUS

(grade 9 and up)

- Get a head start after graduation by learning basic career and life skills in a simulated work environment
- Practice your job-hunting skills like writing a powerful resume, nailing the application, and participating in mock interviews
- Develop banking and money skills that lead to success in independent living

R1 *Certifications, Scholarships, Professional Skills*

How to Register

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R1 = Rigor Level 1; opportunity to earn industry credentials
R2 = Rigor Level 2; R1 + opportunity to earn college credits
R3 = Rigor Level 3; R1 + R2 + college level curriculum



Tartan High School

828 Greenway Avenue North ■ Oakdale, MN 55128

Main office: 651-702-8600

Activities office: 651-702-8721

Tartan website: www.isd622.org/tartan

District website: www.isd622.org