

Chisago Lakes High School



2023-2024

REGISTRATION GUIDE

CLHS engages each learner in a diverse education that empowers them in their own learning for an ever-changing world.

Important: Information at the time of printing is accurate. However, due to several factors, which include, but are not limited to: budgeting, staffing, and student requests will determine if a class is offered. It is imperative that courses and alternatives are chosen carefully.





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HS Code: 241-380

Administration:

Mrs. Tammy Yackley, Principal
Mrs. Megan Hyde, Associate Principal
Mr. Jason Thompson, Dean of Students

School Counselors:

Ms. Amy Malloy (A-G)
Mr. Carter Vogt (H-N)
Mrs. Alyssa Chowdhury (O-Z)

To CLHS Students

Each of you are about to continue on a very important journey that will include making decisions about your future. Planning the courses you will take doesn't just happen – it takes thought and careful consideration of the multitude of career pathways. Take full advantage of the choices at CLHS. These choices are broad and can be explored in-depth. Don't be afraid to try something new or challenging. You can take challenging and rigorous courses in each and every department. We have our College in the Schools program (concurrent enrollment), Advanced Placement (AP) program, and Articulated classes that enable students to earn college credit while still in high school. Our career and technical education courses offer a variety of skills that connect the classroom to the ever-changing world of work.

Students should use this guide to check graduation requirements, see which classes are required at each grade level, learn which electives are offered at each grade level and discover whether a desired class has any prerequisites. Students should not anticipate changing their course selections and schedules after registration. Your careful selection of courses will assist us in developing schedules, assigning teachers and determining when courses are offered in the most efficient manner. I encourage each of you to talk your choices over with your parents and ask your teachers for their advice.

To CLHS Parents

We encourage you to take an active role in the career planning with your child. In the ever-changing world that students will be entering after high school, sound decision making is crucial. Parents are a student's most influential teacher. Please encourage your child to explore areas of career interest, talents and abilities. Please take the time to discuss with your child ideas about education and its significance. Expect diligent study, role model good time management and set high expectations for them to achieve. Nurture your child's curiosity, creativity, confidence and self-esteem. Once again, we encourage you to be an active participant with school staff and support your son or daughter, the teaching staff and others.

Our Master Schedule is developed after students complete their initial registration. To be as efficient as possible, your student should only sign up for those classes they truly intend to take. During the final Master Schedule process, students may experience conflicts with courses and adjustments must be made. Changes in course requests must be kept to a minimum and will only be approved due to a change in post-high school plans.

All of us are proud of the quality of courses offered and the excellent instruction your student(s) will receive while attending CLHS. Together, we will work with your student to provide the best possible education.

Mrs. Yackley
Principal

District #2144 Nondiscrimination Policy #102:

It is the policy of the CHISAGO LAKES PUBLIC SCHOOLS not to discriminate on the basis of sex, race, religion, age, marital status, sexual orientation, or handicapping conditions. These requirements are specified in Title IX of the 1972 Education Amendments, Title VI of the 1964 Civil Rights Act, and Title VII of the 1972 Equal Employment Opportunity Act.

The CHISAGO LAKES PUBLIC SCHOOLS' policies include reference to nondiscrimination in the areas of recruitment, treatment, and advancement in employment, access to course offerings, curriculum content, and employment of resource persons in the classroom.

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Registration Guidelines:

This guide has been prepared to assist you in your choice of classes for next year. Please read it carefully and make decisions that are best for you and your future. If you have questions about the courses listed in this registration guide, please ask one of your teachers or school counselor. We want to assist you in any manner we can to ensure proper choice of classes.

The following are the steps in the registration process:

- ✓ Students will receive registration materials during PAWZ.
- ✓ Students should:
 - Review all materials and information and begin to make decisions on classes they would like to request for next year
 - Read the course descriptions carefully
 - Check for prerequisites
 - Review credit check
 - Review 4-year plan in MCIS under “course planner”
- ✓ Select courses that meet our district and state graduation requirements, as well as support future post-secondary plans.
- ✓ Discuss your plans with your parents/guardian. School counselors recommend having one parent sign the registration form.
- ✓ Registration will be completed in small groups with your counselor. On the day of registration, your form will be verified. You are responsible for completing your registration form by the deadlines.
- ✓ It is very likely **any** of a student’s alternates will become part of his/her permanent schedule; students should put the same thought into planning all course requests, **including** alternates!

Schedule Change Policy:

- ✓ Students have two days from the start of the term to change classes. Students dropping a class after the fifth day will receive an “F” for the class dropped.
- ✓ If changes to a schedule are necessary, they must be made prior to the start of the term.
- ✓ The only reasons to make changes are the following:
 - missing required classes
 - need more credits
 - registered for less than 7 total credits
 - computer error, e.g. sequencing
 - balance class schedule, e.g. 2 study halls in same term
 - classes are going to be taken through PSEO
 - failed the first part of science, math or a foreign language
 - student in an activity needing 1.5 credits to be eligible

Exceptions:

- a senior in an activity needing 1.25 credit in terms 1-3
- a senior who is in a spring activity needing 1 credit in term 4

Teacher preference or changing the period of a class is not a reason to make a schedule change.

GRADUATION REQUIREMENTS

Credit requirements may be altered due to Board of Education action.

<u>COURSE:</u>	<u>CREDIT</u>
English:	4.0
English 9-1 & 2	1.0
English 10-1 & 2 or AP English Language 1 & 2	1.0
<i>11th Grade Select One:</i>	
•English 11-1 & 2	1.0
•American Lit. & Academic Writing	1.0
•Coll. Intro. to Lit. & College Composition I	1.0
<i>12th Grade Select One:</i>	
•English 12 & English elective	1.0
•Literature course & elective	1.0
•College Composition II or College Environmental Lit, or College Public Speaking, & English Elective	1.0
Social Studies:	4.0
US Government & Human Geography, <i>Grade 9</i>	1.0
US History 1 & 2, <i>Grade 10</i>	1.0
World History 1 & 2, <i>Grade 11</i>	1.0
Economics & Social Studies Elective, <i>Grade 12</i>	1.0
*Math:	3.0
Science:	3.0
Science 9-1 & 2	1.0
Chemistry-1&2, Conceptual Chemistry 1&2, or Physics 1&2	1.0
Biology-1 & 2 or College Biology 1 & 2	1.0
Physical Education:	1.0
Phy. Ed 9	0.5
Phy. Ed 10	0.5
Health:	0.5
Freshmen Seminar:	0.5
Art:	1.0
Electives:	12.0
Total Credits:	29.0

***NOTE:** Students who take Algebra I at the high school level will receive elective credit only for these courses. These courses do not count toward the math graduation requirement.

Graduation Participation

Seniors must have earned a minimum of 28 of the 29 required credits to participate in the graduation ceremony. This is subject to change per Chisago Lakes Board of Education action. All credits must be completed at the time of the graduation practice. In order to participate in the ceremony, it is mandatory to attend rehearsal and pay the \$30 participation fee. Commencement is a voluntary event in which students may choose to participate.

GENERAL INFORMATION

ACADEMIC INFORMATION

Grading/Credit: All courses at the high school grant credit on a quarterly/semester basis. In general, students can earn .5 credits per course, 2 credits per term. Exceptions include choir, band, office/teacher's aide, half block (skinny) classes and elementary volunteer. Grading is as follows:

A - 90% and above	F - 59% and below
B - 80% and above	I - Sufficient work not completed for passing grade
C - 70% and above	
D - 60% and above	

GRADING SCALE

A = 4.00	B- = 2.66	D+ = 1.33
A- = 3.66	C+ = 2.33	D = 1.00
B+ = 3.33	C = 2.00	D- = .66
B = 3.00	C- = 1.66	F = .00

CUMULATIVE GRADE POINT AVERAGE

Students are graded on an A-B-C-D-F basis. Each grade received in a given grading period is assigned a numerical value, dependent upon its credit value for that grading period. The sum of these numerical values is divided by the number of credits attempted in that grading period to determine a GPA (Grade Point Average). A GPA is calculated for each student at the end of each grading period.

INCOMPLETE WORK

At the end of terms 1, 2 and 3, students will be notified of any incompletes during PAWZ. From the notification date, students have five (5) school days to complete work for any incompletes. At the end of the 5 school days, if sufficient work has not been completed, a grade of "F" will be assigned. At the end of term 4, incomplete work must be done by the last day of school. Extensions must be arranged through the teacher and counselor, with an alternate due date to be agreed upon by both teacher and student. If sufficient work is not completed by the alternative due date, a grade of "F" will be assigned. There will be no extensions beyond that alternative due date.

HONOR ROLL

The honor roll is compiled at the end of each grading period using term GPA. Students whose grade average is B- or higher will be on the honor roll. Students earning a grade point average of 3.66 or higher will make the A Honor Roll while students earning a grade point average between 2.66 and 3.65 will make the B Honor roll.

CLASS RANK

Class rank is computed at the end of each quarter. The same point process is used to compute the honor roll is used to compute rank in class. Class rank statistics are computed and printed on the report card each quarter. Most post secondary institutions and scholarship sponsors take class rank and cumulative GPA into consideration when determining admissions or awarding scholarships.

GRADUATION HONOR CORDS

Gold and purple honor cords will be determined at the end of the third term senior year.

Gold: Honors (3.5-3.749) cum GPA

Purple: Highest Honors (3.75-4.0) cum GPA

White: National Honor Society

WILDCAT ACTIVITIES ACADEMIC REQUIREMENTS

CLHS Procedures:

1. Students must be enrolled in at least three classes per term with a total value of 1.5 credits. If a student drops below 1.5 credits in a term, the student becomes ineligible. *Exceptions: (1) Seniors enrolled in three classes are eligible to participate with 1.25 credits in Terms 1-3. (2) Seniors who are meeting the requirements for graduation must carry at least 1 credit in Term 4.*
2. Students who fail **one** class will be placed on academic probation. Students in this position will be required to meet weekly with the Activities Director to review their academic progress. If they are failing a class they will immediately become ineligible to participate in activity contests/events/games until the grade becomes passing. Parents will be notified by the Activities Director if this occurs.
3. Students who fail **two or more** classes are ineligible to participate in events/games/contests until mid-term. At mid-term, progress is checked and if the student is passing all of their classes, they will be allowed to participate in full. Continued participation will be based on weekly progress checks with the Activities Director. If at any time the student is failing, they immediately become ineligible to participate in activity contest/events/games for the remainder of the term. Parents will be notified by the Activities Director if this occurs.

College/Military Entrance Recommendations and Requirements

Community College

- Earn an Associate Degree in 2 years - can transfer credits to a 4-year college
- Offer career programs leading to a job
- Open admission policy - students with a high school diploma can enroll
- Do not need to take ACT or SAT - need to take a placement exam once accepted
- Examples: Anoka Ramsey Community College, Century Community College

Technical College

- Earn a 2-year degree, diploma or certificate
- Offer programs that teach specific knowledge and skills leading directly to careers
- Open admission policy - some programs fill up fast
- Do not need to take ACT or SAT - need to take a placement exam once accepted
- Examples: Pine Technical and Community College, Anoka Technical College

4-Year Colleges and Universities (public & private)

- Offer programs leading to bachelor's, master's and advanced degrees
- Some 4-year colleges have a traditional admission policy (student needs to complete college preparatory curriculum and be in the upper half of the class). Some are more selective. See your counselor for specific admission requirements.
- Need to take a college entrance exam ACT or SAT
- Examples: St. Cloud State University, University of Minnesota or University of St. Thomas

College prep curriculum for new freshmen at most 4-year colleges:

- 4 years of language arts
- 3 years of math (some colleges require 4 years of math for admission, check with your counselor)
- 3 years of science
- 3 years of social studies including geography
- 2 years of a single world language
- 1 year of the arts (visual arts, music, communication tech., and/or drama)

Requirements for Military Service

Students may choose from a variety of military service opportunities i.e., Army, Navy, Air Force, Marines, National Guard or Reserve Officer Training Corps (ROTC). A high school diploma or advanced degree is the basic academic requirement. Recruits must also pass a physical examination and complete the Armed Services Vocational Aptitude Battery (ASVAB). Contact specific branches of the military for more information.

College Representatives

Representatives of colleges, universities, technical colleges, military branches and private vocational schools schedule visits at CLHS through the Career Resource Center (CRC). The dates of these visits are announced in the daily announcements, through Schoology, and posted on the high school website. Students are responsible for checking with the CRC staff (Heather Turner 651-213-2517) if they have inquiries about a specific representative.

College Visits

If a junior or senior wishes to visit a post-secondary institution, this needs to be arranged with the attendance office prior to the date of the visit. Please note college visits are excused if the visit is pre-approved.

ACADEMIC ENRICHMENT OPPORTUNITIES

Option	Explanation	Advantages	Considerations
AP Advanced Placement	<ul style="list-style-type: none"> College-level course taught in HS More rigorous coursework Offered through College Board 	<ul style="list-style-type: none"> May earn college credit Challenges students 	<ul style="list-style-type: none"> Must take AP test and get a score of 3 or higher for college credit Requires above average reading, writing and math skills
Articulation Program	<ul style="list-style-type: none"> Agriculture, Business, FACS, Technology & Engineering courses designed with designated colleges 	<ul style="list-style-type: none"> May earn college credit through designated colleges Gain experience and knowledge for potential job/career 	<ul style="list-style-type: none"> Verify the credits will transfer to college of choice Provide articulated credit certificate to accepting colleges during registration Visit ctecreditmn.com
CIS College in the Schools	<ul style="list-style-type: none"> College curriculum (U of M, LSC, PTCC, Riverland) Taught in high school Offered to eligible juniors or seniors 	<ul style="list-style-type: none"> May earn college credit Experience pace, academic standards and personal responsibility required for success in college 	<ul style="list-style-type: none"> Recommended for academically strong students
CLEP College Level Examination Proficiency	<ul style="list-style-type: none"> Demonstrate college-level achievement through exams in undergraduate coursework 	<ul style="list-style-type: none"> May earn college credit 	<ul style="list-style-type: none"> Recommended for academically strong students Visit collegeboard.com
Online Academy	<ul style="list-style-type: none"> Web-based courses that fulfill district and state requirements 	<ul style="list-style-type: none"> Students complete work independently Allows for more flexibility in schedule 	<ul style="list-style-type: none"> Must have reliable computer/internet access Can be enrolled full-time or take supplemental courses Administration approval required
PSEO Post-Secondary Enrollment Options	<ul style="list-style-type: none"> Eligible juniors and seniors enroll at participating colleges with tuition, books, and fees paid by the state of Minnesota 10th graders may enroll in 1 CTE course if 8th grade MCA reading test score was at, meets or exceeds level Earn credit toward graduation 	<ul style="list-style-type: none"> Earn college credit at college where PSEO coursework is taken PSEO credits may transfer 	<ul style="list-style-type: none"> Discuss options with your counselor Must provide own transportation

Additional opportunities offered to students, in order to earn a Chisago Lakes High School diploma include:

- **Home School:**

Upon enrollment at Chisago Lakes High School, students transferring from home school must provide complete and detailed records (including course descriptions and MCA Test results) that demonstrate completion of CLHS requirements. Such students must enroll as a full-time student at CLHS during second semester of their senior year in order to earn a diploma.

- **Exchange Programs:**

Exchange students may be enrolled based on age status. If a senior, they will receive a certificate of attendance. These students may participate in the graduation ceremony.

Concurrent Enrollment Options

CLHS offers a variety of Concurrent Enrollment (CE) courses, also known as Dual Enrollment. Meaning eligible students may be able to receive both high school and college credit for approved classes taken at CLHS.

Lake Superior College (LSC):

Advanced Woodworking - CARP 1418 (Cabinet Making I) - 1 college semester credit & CARP 1518 (Cabinet Making II) - 2 college semester credits (2 high school terms-no rank requirement)

College Psychology - PSYCH 1120 (General Psychology) – 3 college semester credits (2 high school terms)

College Sociology - SOC 1111 (Intro to Sociology) – 3 college semester credits (1 high school term)

College Physics – PHYS 1201 (Intro to Physics) – 5 college semester credits (2 high school terms)

College Human Anatomy and Physiology - BIOL 1150 (Human Anatomy) - 4 college semester credits & BIOL 1005 (Intro to Cell Biology) – 1 college semester credit (2 high school terms)

College Algebra - MATH 1100 (College Algebra) – 4 college semester credits (2 high school terms)

College Trigonometry - MATH 1130 (College Trigonometry) – 3 college semester credits (2 high school terms after successful completion of College Algebra I & II with a grade of C or higher)

College Calculus - MATH 2204 (Calculus I) – 5 college semester credits (2 high school terms after successful completion of College Algebra and Trigonometry)

College Spanish II – SPAN 2010 (Inter. Spanish I) – 4 college semester credits (2 high school terms)

College Composition I - ENGL 1106 (Comp I) - 3 college semester credits (1 high school term)

College Composition II - ENGL 1109 (Comp II) - 3 college semester credits (1 high school term)

College Creative Writing - ENGL 1100 (Creative Writing) - 3 college semester credits (1 high school term)

College Public Speaking - COMM 1110 (Public Speaking) - 3 college semester credits (1 high school term)

College Environmental Literature - ENGL 2160 (Environmental Literature) - 3 college semester credits (1 high school term - prerequisite of College Composition I)

College Social Problems - SOC 2120 (Social Problems) - 3 college semester credits (1 high school term)

College Intro to Literature - ENGL 1112 - 3 college semester credits (1 high school term)

College Biology - BIOL 1120 (General Biology) - 4 college semester credits (2 high school terms)

Special Notes:

- **Juniors** enrolling in college credit courses must have a GPA of 3.5 or higher at the end of term 3 of their sophomore year.
- **Seniors** enrolling in college credit courses must have a GPA of 3.0 or higher at the end of term 3 of their junior year.
- In addition, ALL students enrolling in college credit courses **must take a placement test of Accuplacer, ACT or MCA prior to beginning the course** and score at the required levels as determined by LSC.
- ALL students must complete an online Lake Superior College application by the college designated deadline.
- Once enrolled, students must drop these courses by the deadlines designated by the college.
- Only juniors and seniors who have completed the accelerated math sequence or Pre-Calculus can register for college credit math class. In consultation with counselor and teacher, students will be allowed to “double up” in order to qualify for college credit math classes.

University of Minnesota (U of M):

College German I - GER 1003 - 5 college credits (full high school year). Available to grades 11-12. Prerequisite of C average or better in German II.

College German II - GER 1004 - 5 college credits (full high school year). Available to grades 11-12. Prerequisite of C average or better in College German I.

Concurrent Enrollment Options (continued)

Riverland Community College (RCC):

College Spanish I - SPAN 1002 (Beginning Spanish II) - 4 college semester credits (2 high school terms)

Special Notes:

- **Juniors** enrolling in college credit courses must have a GPA of 3.5 or higher at the end of term 3 of their sophomore year.
- **Seniors** enrolling in college credit courses must have a GPA of 3.0 or higher at the end of term 3 of their junior year.
- In addition, ALL students enrolling in college credit courses **must take a placement test of Accuplacer, ACT or MCA prior to beginning the course** and score at the required levels as determined by RCC.
- ALL students must complete a Riverland Community College application by the college designated deadline.
- Once enrolled, students must drop these courses by the deadlines designated by the college.

Pine Technical & Community College:

American Sign Language I - LASL 1205 - 3 college semester credits (2 high school terms) and LASL 1265 - 3 college semester credits (2 high school terms)

American Sign Language II - LASL 2270 - 3 college semester credits each (2 high school terms) and LASL 2275 - 3 college semester credits each (2 high school terms)

Autos II - ATMP 1209 (Vehicle Service) - 3 college semester credits (2 high school terms)

Child Development 2 - CDEV 1210 (Child Growth & Develop.) - 3 college semester credits (1 hs term)

College Art Appreciation - ARTS 1229 Art Appreciation - 3 college semester credits (1 hs term)

Health Care - HEOP 1241 & 1242 (Nursing Assistant) - 3 college semester credits (2 hs terms)

Success Strategies for College & Professional Development - CCPD 1010 - 2 college semester credits (2 hs terms)

Special Notes:

- Students enrolling in college credit courses at Pine Technical & Community College must have a GPA of 2.5 or higher.
- In addition, some students enrolling in college credit courses **must take a placement test of Accuplacer, ACT or MCA prior to beginning the course** and score at the required levels as determined by PTC. **The courses that require the Accuplacer include: College Art Appreciation, American Sign Language I, Autos II and Child Development II.**
- ALL students must complete an online Pine Technical & Community College application by the college designated deadline.
- Once enrolled, students must drop these courses by the deadlines designated by the college.

Additional Notes:

The receiving institution makes the determination if the course credits transfer or apply to a specific academic program requirement. There is an agreement among the MN state colleges and universities that courses will be accepted for transfer by all MN community colleges and state universities.

Students will receive a grade on their Chisago Lakes High School transcript and on a Lake Superior, U of M, Pine Technical & Community College and Riverland Community College.

In order for students to transfer the Concurrent Enrollment credits to the colleges they are applying to, students must request directly through Lake Superior College, U of M, Pine Technical & Community College and Riverland Community College for an official transcript to be sent to the college(s) they are applying to and should note this on their college applications.

Advanced Placement (AP) Courses

The Advanced Placement program enables students to pursue college-level studies while in high school. Based upon their performance on rigorous AP examinations, students can earn credit, advanced placement or both for college. CLHS offers the following courses:

AP US History
AP Language

The College Board recommends acceptance of 3.0 or higher on the exam for granting credit at the post-secondary level. However, each college and university sets its own AP policy. Students who wish to verify a college or university's AP credit policy can go to www.collegeboard.com/ap/creditpolicy/index. Students who are willing to accept the challenge of a rigorous academic curriculum will be allowed to enroll in an AP course.

Post-Secondary Enrollment Options (PSEO)

Post-Secondary Enrollment Options (PSEO) is a program that allows 10th, 11th and 12th grade students to earn both high school and college credit while still in high school, through enrollment in and successful completion of college-level, nonsectarian courses at eligible participating post-secondary institutions. Most PSEO courses are offered on the campus of the post-secondary institution; some courses are offered online. Each participating college or university sets its own requirements for enrollment into the PSEO courses. Eleventh and twelfth grade students may take PSEO courses on a full- or part-time basis; 10th graders may take one career/technical PSEO course. If they earn at least a grade C in that class, they may take additional PSEO courses.

There is no charge to PSEO students for tuition, books or fees for items that are required to participate in a course. Students must meet the PSEO residency and eligibility requirements and abide by participation limits specified in Minnesota Statutes, section 124D.09. Funds are available to help pay transportation expenses for qualifying students to participate in PSEO courses on college campuses. Schools must provide information to all students in grades 8-11 and their families by March 1, every year. Students must notify their school by May 30 if they want to participate in PSEO for the following school year. For current information about the PSEO program, visit the Minnesota Department of Education's Post-Secondary Enrollment Options (PSEO) web page.

Credit by Assessment

Under some special circumstances, credit may be obtained for prior learning or special experiences. See your counselor for a detailed hand-out explaining the procedures.

Fee Waiver

If you are unable to pay for any course fee, the following waiver procedure shall apply:

The student's parents or guardian shall be responsible for initiating a request for the fee waiver to the principal.

- a. The current income guidelines established by State and Federal agencies for qualification of free and reduced lunches shall serve as qualifications for waiver of fees.
- b. In cases of unusual hardship not falling within the State and Federal guidelines, the principal or designee may authorize a waiver for some or all of the fees.

Financial Aid

The FAFSA, Free Application for Federal Student Aid, is available on the web site: www.studentaid.gov after October 1st. Each year a senior financial night is held to explain the financial aid process and answer family specific questions.

Scholarship Information

Scholarships are coordinated through the Career Resource Center (CRC). Contact Heather Turner for more information, hturner@isd2144.org or 651-213-2517.

Credit Make-Up Programs

Chisago Lakes High School offers an On Track Academic Program for students who are behind in credits for graduation. Students can make-up credits during the school year or designated summer session at their own pace through a virtual and media rich classroom setting housed at Chisago Lakes High School. Students who are behind in credits can make up credits through the following programs:

- Extended Year Program (summer school) at Chisago Lakes High School
- On Track (after school) at Chisago Lakes High School

See your counselor to see if you are eligible and receive an application to enroll in these programs.

Teacher's Aide (T.A.) / Office Aide Information

Opportunities to assist teachers or office staff with various tasks are available to students. These arrangements must be made with your counselor by the end of the first week of any given term. A schedule of classes must be in place prior to teacher aide/office aide assignment.

The following conditions must be completed prior to any teacher aide or office aide position for credit:

- One quarter credit for one term, full block
- For T.A., a total of no more than ½ credit per year during grades 11 and 12
- For office aide, no more than 1 credit grades 9-12
- Completed form on file detailing staff member's expectations and responsibilities (daily attendance & evaluation) and student tasks listed
- T.A. credit to be graded as pass-fail not to be included in GPA
- These details will be supervised by the student's counselor
- A student with a grade of "F" (no credit) or "I" (incomplete) in the previous term will not be eligible to be a T.A. or office aide.

ARTICULATED COURSES FOR COLLEGE CREDIT - Applied Academics

Several courses taught at CLHS have the potential of resulting in college credit. For the credit to be offered, an articulation agreement must be signed by the student, the CLHS teacher and the collaborating college instructor. In addition to the agreement, the student must earn a B or higher in each class and be in 11th or 12th grade. College credit is only guaranteed at the participating college if they enroll.

<u>CLHS COURSE</u>	<u>TECH./CMTY. COLL. COURSE/#</u>	<u>COLLEGE/SEMESTER CREDITS</u>
Computer Applications	College Keyboarding/OFFT 1001	Century College/1cr.
	Intro to Software Applications/CAPL 1010	Century College/3cr.
Marketing II	Principles of Marketing/MKTG 2050	Century College/3 cr.
Small Business Ownership	Marketing Elective/MKTG 0	Century College/1 cr.

Other colleges are NOT obligated to honor these credits although students are encouraged to take certificates earned from articulated courses to any post secondary institution in addition to those listed above and petition for post secondary credit.

Testing Requirements:

Minnesota public district and schools, including charter schools, are required by the federal government to assess all students in the required grades who are enrolled in the district during the state's testing window. Students take one test in each subject as shown in the table below. Most students take the MCA, but students who receive special education services and meet alternate assessment eligibility criteria may take the MTAS.

Subject	Assessments
Reading - Grade 10	<ul style="list-style-type: none"> • Minnesota Comprehensive Assessment (MCA) OR • Minnesota Test of Academic Skills (MTAS)
Mathematics - Grade 11	<ul style="list-style-type: none"> • Minnesota Comprehensive Assessment (MCA) OR • Minnesota Test of Academic Skills (MTAS)
Science - Grade 11	<ul style="list-style-type: none"> • Minnesota Comprehensive Assessment (MCA) OR • Minnesota Test of Academic Skills (MTAS)
ACT / Accuplacer / ASVAB - Grade 11	<ul style="list-style-type: none"> • Students have the opportunity to take a district provided college entrance exam

Testing Requirements (continued)

FAST Bridge Testing (FAST)

Chisago Lakes Schools use computer-adaptive tests for math and reading skills called FAST (Formative Assessment System for Teachers), which tests reading and math skills across grades K-12. Students take this test in the fall and spring of every school year. It produces scores that are on the same scale across grades and over time. The lowest end of this scale is a score of about 350, the middle is a score of 500, and the highest score is 650. We can use aReading and aMath to see how students' reading skills grow over time because the scores students receive are on the same scale each time they take the test, regardless of grade level. It is also used to help predict how well a student might meet grade level learning standards by the end of the year.

Career and College Entrance Exams

ACT

The ACT is a test published and administered by the American College Testing Service. It measures a student's aptitude in English, math, reading and scientific reasoning. The ACT test is offered to all juniors for free in the spring of the junior year.

ACCUPLACER

The Accuplacer was developed by the College Board to provide information regarding the skill level of a student in the areas of reading, writing, English and math. Most community and two-year colleges use this assessment as a placement tool to assist selecting the most appropriate classes.

PreACT

The **PreACT** is an optional test for 10th grade students, designed to help students prepare for the ACT. The ACT is used by most 4 year colleges in the Admissions process. The **PreACT** can also assess student's academic standing, help investigate a full range of career options, and assist in refining a student's high school coursework plan.

PSAT

The PSAT is an optional pre-test for 10th and 11th graders, administered in October and is a predictor of future success on the SAT. It's given to juniors as the initial step to enter the scholarship competitions conducted by the National Merit Scholarship Corporation. The test measures developed verbal and mathematical reasoning abilities that are important for successful academic performance in college. It assesses the ability to reason with facts and concepts rather than the ability to recall and recite information.

SAT I

The SAT I is a test published and administered by the College Board. It measures critical reading, math & writing abilities. We recommend that students check with their post-secondary institution to see if it is required. The test is usually used as an entrance requirement for post-secondary institutions not in the Midwest. In some cases, colleges require 1 or more of the SAT II subject tests. Contact college for specifics. Registration materials can be found online at www.collegeboard.com.

ASVAB

ASVAB stands for Armed Services Vocational Aptitude Battery. The ASVAB is used by the military to assess a students skills in general science, arithmetic reasoning, word knowledge, paragraph comprehension, mathematics knowledge, electronics information, auto and shop information, mechanical comprehension and assembling objects. This assessment is usually offered through a military recruiter for free and is a timed test. More information on the ASVAB can be found at www.military.com

NCAA Division I or II Athletics

Students who want to participate in NCAA division I or II athletics in college should start the certification process by registering with the NCAA Eligibility Center by the end of their junior year. For more information, refer to the NCAA website at web3.ncaa.org, or check with your school counselor.

Initial Eligibility Clearinghouse Requirements

Students hoping to participate in Division I or II athletics in college must plan carefully as they complete high school courses. Application for eligibility is made during the junior year of high school.

The Division I required initial grade point average is 2.3.

The Division II required initial grade point average is 2.2.

A grade point average of 2.000 is required in a “Core Curriculum” and is evaluated as follows:

*DIVISION I	*DIVISION II
16 Core Courses: 4 years of English 3 years of mathematics (Alg. 1 or higher) 2 years of natural/physical science (1 year of lab if offered by high school) 1 year of additional English, math, or natural/physical science 2 years of social science 4 years of additional courses (from any area above, foreign language or comparative religion/philosophy)	14 Core Courses: 3 years of English 2 years of mathematics (Alg. 1 or higher) 2 years of natural/physical science (1 year of lab if offered by high school) 2 years of additional English, math or natural/physical science 2 years of social science 2 years of additional courses (from any area above, foreign language or non-doctrinal religion/philosophy)

**These requirements may change. Check with your counselor for details.*

NCAA Division I requires 10 core courses to be completed prior to the senior year. GPA, ACT and SAT scores are also factored into final eligibility decisions. For complete details, refer to the website: www.eligibilitycenter.org or see your school counselor.

The following Chisago Lakes High School courses have been submitted to the NCAA for compliance with eligibility standards. These classes are currently offered and are identified by: NCAA

English

Academic Writing	War in History, Lit & Film
American Literature	College Comp. I
British Literature	College Comp II
Creative Writing	College Creative Writing
English 9	College Environmental Lit
English 9 Honors	College Intro to Literature
English 10	AP Language
English 10 Honors	World Literature
English 11	Public Speaking
English 12	College Public Speaking
	Modern Literature

Social Science

World History 1 & 2	War in History, Lit & Film
World History Honors 1 & 2	Economics
US History 1 & 2	Psychology
AP US History	College Psychology
US Government	College Sociology
Human Geography	College Social Problems
World Wars of the 20th Century	Women's History
Comparative American Cultures	

Math

Algebra II	College Algebra
Algebra III & Trigonometry	College Calculus
Geometry 1 & 2	College Trigonometry
Advanced FST	Precalculus
Advanced Algebra II	Intermediate Algebra
Statistics	Advanced Geometry

Natural/Physical Science

Science 9 (Lab)	Physics (Lab)
Science 9 Honors (Lab)	College Physics (Lab)
Chemistry (Lab)	Biology (Lab)
Conceptual Chemistry (Lab)	College Biology (Lab)
College Anatomy & Physiology	
Astronomy	

Additional Core Courses

Spanish I, II	German I, II
College Spanish I, II	College German I, II
College American Sign Language I/II	
Chinese I, II	
French I, II	

Minnesota Career Fields, Clusters & Pathways

Thinking ahead and preparing for careers is helpful as students are headed to the workplace or college. Some careers that are common today may not be needed tomorrow. All careers require flexibility, knowledge, and skills. The Minnesota Department of Education and Minnesota State Colleges and Universities have created the Minnesota Career Fields, Clusters & Pathways, which Chisago Lakes High School aligns with.

The Minnesota Career Fields, Clusters & Pathways chart graphically depicts the organizing framework of the foundation knowledge and skills, career fields, career clusters, and career pathways that Minnesota uses for developing programs of study.

Career Fields

Career Fields, which are identified in the segmented ring around Foundation Knowledge and Skills, are the organizing structure for the 16 career clusters and 79 pathways. The fields represent the broadest collection of careers. Students are normally exposed to career field exploration in middle school and early high school. Career fields have been identified as:

- Agriculture, Food & Natural Resources
- Arts, Communications & Information System
- Engineering, Manufacturing & Technology
- Health Science Technology
- Human Services
- Business, Management & Administration



Career Clusters

Career Clusters, which are identified in the bold, colored bullets (■), represent a grouping of occupations and broad industries into a national classification of 16 clusters that are based upon common knowledge and skills. Career clusters include hundreds of occupations that may be grouped into pathways around which educational programs of study can be built.

Career Pathways

Career Pathways, which are identified by the symbol (>) under each cluster heading, represent an organization of related occupational areas within a specific career cluster. Each of these pathways has identified knowledge and skills validated by industry from which programs and programs of study are developed.

In the following pages, we have identified within each career field possible career pathways a student might choose, along with recommended high school courses.

Information for the following pages came from Minnesota Career Information System (MCIS) and is not fully exhaustive.

Minnesota Career Fields, Clusters & Pathways





Health Science Technology



Students focus on understanding and serving people through medicine and sciences. Electives provide opportunities to explore the biomedical field, health careers, leadership and the social/psychological needs and development of people.

CLHS COURSES

Health Care, Public Speaking,
College Public Speaking,
Biology/College Biology,
College Anatomy/Physiology,
Psychology/College Psychology,

Culinary I & II, Health,
Foreign Language Courses,
Child Development I & II,
Chemistry/Conceptual Chemistry,
Physics/College Physics,

Animal Science Courses,
College Sociology,
Interpersonal Relationships/
Communications,
Science 9/Science 9 Honors

CAREER PATHS IN HEALTH CARE

High School Diploma/GED/

On the Job Training,

Home Health Aide,
Veterinary Assistant,
Physical Therapy Aide,
Medical Secretary,
Pharmacy Technician

Some Training - Up to 1 Year (Certificate or Diploma)

Dental Assistant, Nursing Assistant,
Licensed Practical Nurse,
Surgical Technologist,
Transcriptionist, Phlebotomist,
Emergency Medical Technician

Associate Degree

Dental Hygienist,
Veterinary Technician,
Physical Therapy Assistant,
Pharmacy Technician, Paramedic,
Sonographer, Respiratory Therapist

Masters Degree

Physician Assistant, Physical Therapist,
Speech Pathologist, Biomedical Engineer,
Registered Nurse, Dietitian

Doctoral Degree

Chiropractor, Surgeon, Veterinarian, Psychiatrist,
Dentist, Optometrist, Anesthesiologist,
Family or General Practitioner



Agriculture, Food & Natural Resources

Students focus on the essential elements of life - food, water, land and air. Electives provide opportunities to explore the planning, production, marketing, distribution and development of agriculture commodities, services and natural resources.



CLHS COURSES

Fisheries & Wildlife Management,
Horse Science, Natural Resources,
Plant Science, Culinary I/II,
Small Animal Science,
Floriculture/Adv. Floriculture,

Greenhouse Mgmt., Autos I/II,
Large Animal Science I/II,
Forest Resource Mgmt.,
Environmental Science,
Landscape Horticulture,

Computer Science Principles,
Introduction to Business, Statistics,
College Anatomy & Physiology,
Biology/College Biology,
College Environmental Literature

CAREER PATHS IN AGRICULTURE, FOOD & NATURAL RESOURCES

HS Diploma/GED/

On the Job Training

Animal Breeder/Caretaker,
Farm/Ranch Worker,
Nursery/Garden Worker, Logger,
Pest Control, Trash/Recycling Worker

1-2 Year College Degree

Baker, Farm Equipment Mechanic,
Water Treatment Plant Operator,
Environmental Engineering
Technician, Forestry Technician

Bachelors Degree

Agricultural Engineer/Scientist,
Environmental Engineer,
Forester, Zoologist,
Animal Scientist



Arts, Communications & Information Systems



Students focus on understanding and serving people through the social sciences. Electives provide opportunities to explore the servicing of the public through leadership and understanding the social/psychological needs and development of people.

CLHS COURSES

Art Fundamentals/Advanced Art Fundamentals, Drawing, Painting/Advanced Painting, Ceramics/Advanced Ceramics, Environmental Art, Band/Choir, Digital Photography, Guitar 1 & 2,

College Art Appreciation, Media Productions, Fashion, Housing & Interior Design, Public Speaking/College Public Speaking, Intro to Business,

Floriculture/Adv. Floriculture, Web Design I/II, Advanced Music Study, Creative Writing/College Creative Writing, Jazz History, Class Piano

CAREERS IN ARTS, COMMUNICATIONS & INFORMATION SYSTEMS

**HS Diploma/GED/
On the Job Training**
Announcer,
Photographer,
Floral Designer

**1-2 Year College Degree
(Certificate or Diploma)**
Actor,
Professional Makeup Artist,
Sound Engineering
Technician,
Audio-Visual Specialist

Associate Degree
Broadcast Technician,
Computer Network
Support Specialist,
Web Developer

Bachelors Degree
Announcer, Fashion Designer,
Writer, Editor, Graphic Designer,
Film & Video Editor, Agent, Business Manager, Producer, Director,
Video Game Designer, Computer Engineer, Computer Programmer



Business, Management & Administration

Students focus on the interplay of people, systems, and cultures. Electives provide opportunities to explore the relationships between business, politics, and history, with an emphasis on world languages and cultures.



CLHS COURSES

Computer Applications, Small Business Ownership, Personal Money Management, Intro to Business, Statistics, College Sociology, Economics, US Gov't, Creative Writing/ College Creative Writing,

Accounting, Marketing I & II, Public Speaking/ College Public Speaking, Interpersonal Relationship/Comm., Psychology/College Psychology, Web Design I & II, Independent Living,

Culinary I & II, Foreign Language Courses, Business & Personal Law, Math Courses

CAREERS IN BUSINESS, MANAGEMENT & ADMINISTRATION

**HS Diploma/GED/
On the Job Training**
Secretary, Bank Teller,
Mail Clerk, Postal Clerk,
Store Clerk, Retail/Cashier,
Waiter/Waitress/Cook

Certificate/Diploma
Bookkeeper, Tax Preparer,
Real Estate Agent,
Chef, Travel Agent,
Insurance Agent,
Tax Preparer

Associate Degree
Human Resource
Assistant

Bachelor's Degree
Human Resources,
Market Research Analyst,
Public Relations,
Accountant,
Financial Counselor/Analyst



Human Services



Students focus on understanding and serving people through the social sciences. Electives provide opportunities to explore the servicing of the public through leadership and understanding the social/psychological needs and development of people.

CLHS COURSES

English Courses, Art Courses,
Physical Education Courses,
Foreign Language Courses,
Business Courses, Accounting,
College Sociology, Statistics,
Psychology/College Psychology,
Natural Resources,

Small Animal Science,
Large Animal Science I & II,
Forest Resource Mgmt.,
Fish & Wildlife Mgmt.,
Public Speaking/College Public Speaking,
College Sociology,
Child Development I & II,

Interpersonal Relationships & Comm.,
Health Care, Independent Living,
Culinary I & II,
US Government,
College Anatomy & Physiology,
Computer Applications,
Elementary Volunteer, Teacher Aide

CAREER PATHS IN HUMAN SERVICES

HS Diploma/GED/ On the Job Training

Child Care Worker, Fitness Trainer, Security Guard,
Firefighter, Transportation Inspector

Certificate/Diploma

Hairstylist,
Cosmetologist,
Massage Therapist

Associate Degree

Funeral Director, Paralegal,
Pre-School Teacher,
Fish & Game Warden

Bachelors Degree

Clergy, Social Worker, Teacher, Interpreter/Translator, Appraiser/Assessor,
Forensic Science, Probation Officer,
Police/Detective

Masters Degree

School Psychologist, Mental Health Therapist,
School Counselor, Principal,
College/University Administrator,
Librarian, Urban/Regional Planner

Doctoral Degree

Psychologist,
Lawyer,
Coroner

Engineering, Manufacturing & Technology

Students focus on investigation and application of sciences, technology, engineering and math. Electives provide real-world, hands-on opportunities to explore elements of engineering, environmental, and research sciences.



CLHS COURSES

Architectural Drafting I & II,
Intro. to CAD, Construction Tech.,
Woodworking/Adv. Woodworking,
Drawing, Autos I & II,
Computer Integrated Mfg.,
Metals I, II, III, Autos for Girls,
Manufacturing,

Computer Science Principles,
How to Make Almost Anything,
Small Engine Repair,
Landscape Horticulture,
Housing & Interior Design,
Plant Science, Astronomy,
Physical Education Courses,

Intro. to Engineering Design,
Principles of Engineering,
Math Courses,
Psychology/College Psychology,
College Sociology,
Engineering Capstone,
Natural Resources, Science Courses

CAREERS IN ENGINEERING, MANUFACTURING & TECHNOLOGY

**HS Diploma/GED/
On the Job Training**
Construction Worker,
Pipelayer,
Landscaper,
Groundskeeper,
Ambulance/Truck/Taxi
Driver

Certificate/Diploma
HVAC,
Mechanic,
Electrician

Associate Degree
Drafter,
Interior Designer,
Engineering
Technologist

Bachelors Degree
Architect,
Engineer,
Construction Manager,
Meteorologist,
Pilot

Doctoral Degree
Astronomer,
Physicist

Ninth Grade Course Selections

Required Classes:

Introduction: The following classes are elective and required course selections for your freshman year. Since the focus of the 9th grade year is to establish foundational knowledge and develop effective study skills, many core classes are required during this year of high school. Freshmen and their parents should give special consideration to the appropriateness of registering for a foreign language as a 9th grader. Based on interest, students may choose from the list of electives below or register for a study hall. Study halls are not awarded credit and students should not have more than one study hall per year.

Art

1 credit of art to be completed before graduation

Students may select from the following courses to earn art credit:

- Media Arts: Not Applicable
- Music: Stage/Select Choir/Chorus/CL Winds, Jazz/Concert/Symphonic bands, Adv. Music Study, Class Piano, Guitar, Jazz History,
- Visual Arts: Art Fundamentals, Adv. Art Fundamentals, Ceramics, Adv. Ceramics, Drawing, Environmental Art, Painting, Adv. Painting, Digital Photography

Other

Required: Freshmen Seminar .5 cr.

English

1 credit of English

Required: English 9-1 & 9-2 or English 9 Honors 1 & 2

Math

Choose the next appropriate math class based on the placement of 8th grade math.

Phy. Ed.

.5 credit of Phy. Ed.
Required: Phy. Ed. 9

Science

1 credit of Science
Required:
Science 9-1 & 9-2 OR
Science 9 Honors 1 & 2

Social Studies

1 credit of Social Studies
Required:
US Government & Human
Geography

Elective Classes:

See course registration guide for prerequisites and class descriptions.

Ag Science

Family & Consumer Science

Technology Ed.

Art

Foreign Language

Business

Music

Engineering

Other Course Electives

Requirements subject to change per Chisago Lakes Board of Education approval.

PLANNING SHEET

GRADE 9

A total of 29 credits are required for graduation.

English 9, 1 or English 9 Honors, 1	English 9, 2 or English 9 Honors, 2	US Government	Human Geography
Science 9, 1 or Science 9 Honors, 1	Science 9, 2 or Science 9 Honors, 2	Math	Math
Phy. Ed. 9	Freshmen Seminar	Elective	Elective
Elective	Elective	Elective	Elective

GRADE 9 REQUIREMENTS

English 9, 1 & 2 or English 9 Honors, 1 & 2 (1.0)

US Government & Human Geography (1.0)

Science 9, 1 & 2 or Science 9 Honors, 1 & 2 (1.0)

Math (1.0)

Phy. Ed. 9 (.5)

Freshmen Seminar (.5)

Arts Elective (1.0) to be completed prior to graduation

Tenth Grade Course Selections

Introduction: The following are elective and required course selections for your **sophomore year**. We recommend that students take advantage of this year of high school by choosing elective classes that build on their current career interests and academic strengths. Students should also register for classes that provide opportunity for further skill development in areas of concern.

Required Classes:

Art

1 credit of art to be completed before graduation.

Students may select from the following courses to earn art credit:

- Media Arts: Not Applicable
- Music: Stage/Select Choir/Chorus/CL Winds, Jazz/Concert/Symphonic bands, Adv. Music Study, Class Piano, Guitar, Jazz History,
- Visual Arts: Art Fundamentals, Adv. Art Fundamentals, Ceramics, Adv. Ceramics, Drawing, Environmental Art, Painting, Adv. Painting, Digital Photography

English

1 credit of English

Required: English 10-1 & 2 or
AP English Lang. 1&2

Math

Choose the next appropriate math class based on the successful completion of 9th grade math.

Phy. Ed./Health

.5 Credit of Phy Ed

.5 Credit of Health

Required: Phy. Ed. 10 and Health

Science

1 credit of Science

Required:

Conceptual Chemistry 1 & 2
or Chemistry 1 & 2
or Physics 1 & 2

Social Studies

1 credit of Social Studies

Required:

US History 1 & 2 or
AP US History 1 & 2

Elective Classes:

See course registration guide for prerequisites and class descriptions.

Engineering

Ag Science

Music

Family & Consumer Science

Art

Other Course Electives

Foreign Language

Business

Technology Ed.

Requirements subject to change per Chisago Lakes Board of Education approval.

PLANNING SHEET

GRADE 10

A total of 29 credits are required for graduation.

English 10, 1 or AP Engl. Lang. 1	English 10, 2 or AP Engl. Lang. 2	US History 1 or AP US History 1	US History 2 or AP US History 2
Conceptual Chem. 1 or Chemistry 1 or Physics 1	Conceptual Chem.2 or Chemistry 2 or Physics 2	Math	Math
Phy. Ed. 10	Health	Elective	Elective
Elective	Elective	Elective	Elective

GRADE 10 REQUIREMENTS

English 10, 1 & 2 or AP English Language, 1 & 2 (1.0)
US History 1 & 2 or AP US History, 1 & 2 (1.0)
Conceptual Chemistry 1&2 or Chemistry 1&2 or Physics 1&2 (1.0)
Math (1.0)
Phy. Ed. 10 (.5)
Health (.5)

Arts Elective (1.0) to be completed prior to graduation

Eleventh Grade Course Selections

Required Classes:

Introduction: The following are elective and required course selections for your junior year. We recommend that students take advantage of this year of high school by choosing classes that help achieve post-secondary goals and entrance requirements. This is essentially the last year that college bound students will have to build their GPA and class rank before applying to colleges the fall of their senior year. Students should also register for classes that provide opportunity for further skill development in areas of concern.

Art

1 credit of art to be completed before graduation

Students may select from the following courses to earn art credit:

- Media Arts: Not Applicable
- Music: Stage/Select Choir/Chorus/CL Winds, Jazz/Concert/Symphonic bands, Adv. Music Study, Class Piano, Guitar, Jazz History,
- Visual Arts: Art Fundamentals, Adv. Art Fundamentals, Ceramics, Adv. Ceramics, Drawing, Environmental Art, Painting, Adv. Painting, Digital Photography

English

1 credit of English

Choose from:

- English 11-1 & 11-2
- American Literature & Academic Writing
- College Intro to Literature & College Composition 1

Math

Choose the next appropriate math class based on the successful completion of 10th grade math.

Science

1 credit of Science

Required: Biology 1 & 2 or College Biology 1 & 2

Social Studies

1 credit of Social Studies

World History 1 & 2 or World History Honors 1 & 2

Elective Classes:

See course registration guide for prerequisites and class descriptions.

Ag Science

Family & Consumer Science

Science

Art

Foreign Language

Social Studies

Business

Music

Technology Ed.

Engineering

Other Course Electives

English

Phy. Ed./Health

Requirements subject to change per Chisago Lakes Board of Education approval.

PLANNING SHEET

GRADE 11

A total of 29 credits are required for graduation.

English 11,1 or American Lit. or College Intro to Lit.	English 11, 2 or Academic Writing or College Composition I	World History 1 or World History Honors 1	World History 2 or World History Honors 2
Biology 1 or College Biology 1	Biology 2 or College Biology 2	Math	Math
Elective	Elective	Elective	Elective
Elective	Elective	Elective	Elective

GRADE 11 REQUIREMENTS

English 11, 1 & 2 (1.0) or
American Lit. & Academic Writing (1.0) or
College Introduction to Literature & College Composition I (1.0)
World History 1 & 2 or World History Honors 1 & 2 (1.0)
Biology 1 & 2 or College Biology 1 & 2 (1.0)
Math (1.0)
Arts Elective (1.0) to be completed prior to graduation

Twelfth Grade Course Selections

Required Classes:

Introduction: The following are elective and required course selections for your **senior year**. We recommend that students take advantage of this final year of high school by choosing classes that help achieve post-secondary goals and entrance requirements. **Many post-secondary institutions require further math or science and in most cases, 2 years of the same foreign language.** Students should also register for classes that provide opportunity for further skill development in areas of concern.

Art

1 credit of art to be completed before graduation

Students may select from the following courses to earn art credit:

- Media Arts: Not Applicable
- Music: Stage/Select Choir/Chorus/CL Winds, Jazz/Concert/Symphonic bands, Adv. Music Study, Class Piano, Guitar, Jazz History,
- Visual Arts: Art Fundamentals, Adv. Art Fundamentals, Ceramics, Adv. Ceramics, Drawing, Environmental Art, Painting, Adv. Painting, Digital Photography

English

1 credit of English

Choose from:

- English 12 & English elective
- Literature course & elective
- College Composition II or College Environmental Lit or College Public Speaking & English Elective

Social Studies

1 credit of Social Studies

Required: .5 Economics

Required: .5 Social Studies elective

Elective Classes:

See course registration guide for prerequisites and class descriptions.

Ag Science	Family & Consumer Science	Other Course Electives
Art	Foreign Language	Phy. Ed./Health
Business	Math	Science
Engineering	Music	Social Studies
English		Technology Ed.

Requirements subject to change per Chisago Lakes Board of Education approval.

PLANNING SHEET
GRADE 12

A total of 29 credits are required for graduation.

English 12 <u>or</u> Literature Course <u>or</u> Choose 1: College Comp. II, or College Enviro. Lit, or College Public Speaking	English Elective	Economics	Social Studies Elective
Elective	Elective	Elective	Elective
Elective	Elective	Elective	Elective
Elective	Elective	Elective	Elective

GRADE 12 REQUIREMENTS

**English 12 & English Elective (1.0) or
Literature Course & English Elective (1.0) or
College Comp. II, College Environmental Lit, or College Public Speaking
& English Elective (1.0)
Economics (.5)
Social Studies Elective (.5)
Arts elective (1.0) to be completed prior to graduation**

Academies at CLHS

Chisago Lakes High School, in conjunction with Pine Technical & Community College, offers high school students an opportunity to explore for possible careers that lead to high-skill, high-wage, and in-demand career opportunities. The overall goal of these career academies is to increase opportunities for students to participate in career and technical education (CTE) opportunities that provide access to: college credit, pathways to industry recognized credentials, and exposure to in-demand career opportunities.

Healthcare Academy: College Credits - 9

Grades: 11-12

(Certified Nursing Assistant certificate options and offered through ITV/Zoom/Online and at CLHS)

Students in the Healthcare Academy gain the foundational knowledge and skills for working with patients or long-term care facility clients. It helps students build awareness and comfort for working in the healthcare, assisted living or senior living atmospheres. Upon successful completion of courses, students will be eligible to take the Nursing Assistant Test-Out (NATO) examination.

Courses:

HCCC 1215 Introduction to Healthcare Careers I, 2 credits

This course will introduce students to healthcare considerations and expectations. Students will explore legal and ethical influences on healthcare, while developing a basic understanding of medical terminology and therapeutic communication techniques in healthcare careers.

HCCC 1220 Introduction to Healthcare Careers II, 2 credits

This course will familiarize students with career options within the fields of allied health. Students will explore client and staff diversity, client needs, and safety and standard precautions found in healthcare careers. Course content is designed to provide basic understanding of health care delivery expectations and apply critical thinking to various healthcare

HCCC 1225 Nursing Assistant Skills Set, 2 credits

This course is an introduction to basic nursing care skills and concepts necessary to prepare an individual to be eligible to take the Nursing Assistant Test-Out (NATO) examination. Upon successful completion of this examination, candidates will qualify for placement on the Nursing Assistant Registered (NA/R) with the State of Minnesota and employment in a healthcare facility under the direct supervision of a licensed nurse.

HPPC 1000 Medical Dosages, 1 credit

This course will focus on introducing students to medical dosages and the terminology associated with medication orders. Students will learn theory and skills related to calculating medication dosages.

HPPC 1002 Medical Terminology, 1 credit

This course will focus on reinforcing correct word definitions, pronunciation, and spelling as studied in Medical Terminology. Students will be introduced to additional terminology specific to all body systems as well as abbreviations, eponyms, and common drug names. Students will apply medical terminology to basic interpretation of focused internet searches. Medical terminology as it relates to basic anatomy and functions of the body systems will be further explored.

HPPC 1004 Pharmacology, 1 credit

This course will provide the student with an introduction to basic pharmacology. Students will be presented with the major drug classifications as they relate to body systems.

Academies (Continued)

Business Academy: College Credits-12

Grades: 11-12

(PTCC Business Essentials Certificate and offered through ITV/Zoom/Online and at CLHS)

Expand career opportunities by earning the Business Essentials Certificate offered through Pine Technical and Community College (PTCC). The curriculum provides students with the skills employers are seeking. In addition to expanding career opportunities, the college credit earned through the certificate will completely transfer into PTCC's one-year Business Administration Diploma and the two-year Business Transfer Pathway Associate of Science degrees.

Prerequisite: All courses require a passing score on the Accuplacer exam

Courses:

BUSN 1110 Introduction to Business, 3 college credits (1 high school credit)

This course provides an overview of the world of business. Students will learn about the environment of business, including the economic, political/legal, socio-demographic, global, technological, and competitive aspects of how they impact organizations. The various functional areas of business (management, marketing, and finance) will be examined.

BUSN 1120 Business Computer Applications, 3 college credits (1 high school credit)

This course introduces computer terminology, hardware, and software related to the business environment. Students will learn business productivity software applications such as word processing, spreadsheets, databases and presentation graphics, as well as the principles of professional behavior in computing and business-oriented internet use.

BUSN 1130 Human Relations in Business, 3 college credits (1 high school credit)

This course introduces human relations principles, methods, and skills applicable to management effectiveness and career success. Students will learn about the principles and methods of organizational communication, professionalism, motivation, team building, conflict resolution, leadership, negotiation, cultural differences, and personal communication. Practical application and development of skills in these areas are emphasized throughout the course.

BUSN 1140 Business Information Systems, 3 college credits (1 high school credit)

This course introduces students to computer-based information systems within business organizations. Students will learn the strategic and administrative roles of information systems in business and explore the applications of computers and information technology to advance the efficiency and effectiveness of individuals, groups, and organizations.

CMAE 1526 Maintenance Awareness, 2 credits (.67 high school credit)

Introduces the concepts of Total Productive Maintenance (TPM), preventative maintenance, lubrication, electricity, hydraulics, pneumatics and power transmission systems. This course is designed to align with the Manufacturing Skill Standards Council's (MSSC) assessment and certification system for Maintenance Awareness.

American Sign Language Academy: College Credits-12

Grades 11-12

The American Sign Language Academy provides you with the foundational knowledge and skills of the American Sign Language (ASL). The academy courses provide a basic foundation for entry into a career in a deafness-related field.

Courses:

LASL 1205 American Sign Language I, 3 credits (1 high school credit)

This course introduces the fundamentals of American Sign Language (ASL) used by the Deaf Community, including basic vocabulary, syntax, fingerspelling, and grammatical non-manual signals. Questions, commands, and simple sentences are covered, leading to basic conversational skills. Students will gain cultural knowledge and increased understanding of the Deaf Community.

LASL 1265 American Sign Language II, 3 credits (1 high school credit)

This course continues to develop the basics of American Sign Language (ASL) and the building of both expressive and receptive vocabulary. Students will develop the communicative competencies in the language focusing on skills including temporal sequencing, spatial agreement and object identification through description. Basic storytelling skills will be introduced. Study of Deaf Culture is continued.

LASL 2270 American Sign Language III, 3 credits (1 high school credit)

This course expands the communicative range developed in LASL 1265 American Sign Language II to talk about people and places in a contextually-reduced framework. Students will learn to describe places, objects, and events. In addition, students will develop basic narrative skills to tell about past events. Through in-class discussions/demonstrations, media, and course readings, students will be exposed to elements of the Deaf Community and culture.

LASL 2275 American Sign Language IV, 3 credits (1 high school credit)

This course is a continuation of LASL 2270 American Sign Language III and increases the emphasis on abstract and challenging conversational and narrative range. Students will learn basic classifier usage; receptive and expressive coursework; broader sign vocabulary and grammatical structure; various aspects of Deaf Culture and cultural behavior rules.

Agri-Science

Course Offerings:

Natural Resources	Introduction to Agriculture
Plant Science	Plant & Animal CSI
Floriculture	Horse Science
Advanced Floriculture	Forest Resource Mgt.
Greenhouse Management	Fisheries & Wildlife Mgt.
Small Animal Science	Environmental Science
Large Animal Science I	Landscape Horticulture
Large Animal Science II	

Agricultural courses are interdisciplinary; the courses are agriculturally based with a mix of science, art, math, and history.

Courses in the agri-science department are open to students interested in exploring career opportunities in this dynamic area. Students selecting these courses will develop skills that will prepare them for the world of work as well as furnish the background for further training in the technical school and/or college. These courses provide the opportunity to focus on the development of skills through course work, FFA, and student SAEP's (supervised agricultural experience programs). Each student will conduct a project related to agricultural experiences outside the classroom.



0017 INTRODUCTION TO AGRICULTURE

Prerequisite: none Grade: 9-10
Course length: 1 term Credit: ½
The primary objective is to introduce students to the dynamic industry of agriculture while gaining an awareness of the importance, impact and diversity of careers in agricultural science and business. The content provides a hands-on, exploratory, science-based approach to agricultural science including a broad-based coverage of horticulture, animal science, environmental science, biotechnology, agricultural economics, plant and soil science, food and agricultural science and agribusiness tools and equipment.



0002 NATURAL RESOURCES

Prerequisite: none Grade: 9-10
Course length: 1 term Credit: ½
Students study native plants and wildlife. This course will include basic ecological concepts, orienteering, survival, ecology, and environmental concerns. This is the beginning course to the other natural resource courses. A considerable amount of time is spent outdoors in our outdoor living classroom.



0022 HORSE SCIENCE

Prerequisite: none Grade: 9-12
Course length: 1 term Credit: ½
Students will have the opportunity to study all aspects relating to the biology, care, & management of horses. Basic topics include feeding, reproduction, physiology, diseases, parasites, care, selection, breeds, equitation, showing, training, tack & judging.



0030 ENVIRONMENTAL SCIENCE

Prerequisite: none Grade: 9-12
Course length: 1 term Credit: ½
Students will learn about and be actively involved in the 4 R's, Reduce, Reuse, Recycle and Repair. They will manage the high school recycling program. Topics covered will include: the environment and society, tools of environmental science, the dynamic Earth, ecosystem functions land and water ecosystems. Labs will be included as well as a major class assignment.



0028 FISHERIES & WILDLIFE MANAGEMENT

Prerequisite: none Grade: 10-12
Course length: 1 term Credit: ½
This elective credit also counts as a science credit at U of M.
This course is designed to provide information to the students and demonstrate the scientific management techniques and the biology of wildlife, fisheries, birds, and ecology. Students also study the laws and management of game and non-game species.



0026 FOREST RESOURCE MANAGEMENT

Prerequisite: none Grade: 10-12
Course length: 1 term Credit: ½
This course will provide information and demonstrate scientific management, techniques, and biology in the areas of forestry, entomology (insects), and conservation of our natural resources (water, air, soil, and energy).



0020 SMALL ANIMAL SCIENCE

Prerequisite: none Grade: 9-12
Course length: 1 term Credit: ½
This course will relate to the biology of companion animals. This course will be beneficial for pet owners, veterinary skills, and pet store management. Topics will include anatomy, physiology, nutrition, feeding, diseases, parasites, and the identification of companion animals and their breeds.



0015 LARGE ANIMAL SCIENCE I

Prerequisite: none Grade: 9-12
Course length: 1 term Credit: ½
This course will investigate scientific concepts relating to the biology of beef, sheep, swine, dairy, and specialty animals. Topics include scientific methods, taxonomy, cell structure and function, anatomy, physiology, history, selection and evaluation and introduction to digestion, reproduction behavior and handling. This class will have a variety of labs, projects and other hands-on opportunities.



College Credit Opportunity



Agriculture, Food & Natural Resources



Health Science Technology



Arts, Communications & Information Systems



Fulfuls Fine Arts Credit



Engineering, Manufacturing & Technology



Business, Management & Administration



Human Services

Agri-Science (continued)



0016 LARGE ANIMAL SCIENCE II

Prerequisite: Large Animal Science I Grade: 9-12
Course length: 1 term Credit: ½

This course will investigate scientific concepts relating to the biology of beef, sheep, swine, dairy, and specialty animals. Topics include animal systems, feeding and nutrition, genetics, behavior and handling, and disease and treatment. This course is a continuation of Large Animal Science I and will allow students to continue expand their knowledge and understanding of animals. This class will have several labs, projects and other hands-on opportunities.



0008 PLANT SCIENCE

Prerequisite: none Grade: 10-12
Course length: 1 term Credit: ½

Students will learn about all aspects of plants and soils. Our life depends on each of them and this course provides the information and application of it to understand their role. Students will also evaluate and study the diverse perspectives of agricultural events and actions. They will use their findings to evaluate the perspectives and their effect on people. Students will develop their understanding and application in lab work to develop the understanding of plant morphology/physiology, growth and reproduction.



0012 FLORICULTURE

Prerequisite: none Grade: 9-12
Course length: 1 term Credit: ½

Floriculture is a unique blend of science and art. Floriculture is a branch of horticulture dealing with the design of flowers and the production of flowering plants. Horticulture is the science and art of growing plants in small areas. Flowers are essential to life - they provide all of our food, oxygen, and clothing. We will study the many reasons "for a flower". In floriculture, students will study the products from a flower, morphology, physiology, production, factors of plant growth, history, creative design, identification, taxonomy, and environmental factors required for growing flowering plants. Students also study aspects of flowers with creative experiences in visual art through floral design.



0018 ADVANCED FLORICULTURE

Prerequisite: Floriculture Grade: 10-12
Course length: 1 term Credit: ½

Students will apply and interpret artistic expression in the visual arts area of floral design as they pertain to floriculture. Students will create several arrangements used for a variety of occasions. Also included, are the art and science of the use of flowers in the horticulture industry. The class is conducted as a floral business. We often create arrangements for special occasions that occur in our community. In this course, students will design a culminating project. There is a fee to complete the final project. Topics discussed include: marketing, managing, ordering, pricing, sales, all aspects of entrepreneurship as it relates to operating a floral business.



0014 GREENHOUSE MANAGEMENT

Prerequisite: none Grade: 10-12
Course length: 1 term Credit: ½

Students will study and actively participate in all areas of greenhouse production and management as it pertains to the horticulture industry including marketing of the greenhouse crops. Students will learn about and demonstrate what they have learned by applying the skills to the growing of perennials, flowering plants and vegetable crops. The students will be propagating, transplanting, fertilization, controlling pests, regulating growth, watering, managing diseases, control lighting, production, and environmental alterations, of greenhouse crops. Students will study math, science, and art as it pertains to the operation of a horticulture business. The students will do all the preparation of the plants for the spring plant sale which is held the night of the 4th term parent/teacher conferences.



0024 PLANT & ANIMAL CSI - Biotechnology

Prerequisite: none Grade: 10-12
Course length: 1 term Credit: ½

This course deals with a very advanced and upcoming area in the agricultural industry, biotechnology. Biotechnology is the use of micro organisms to perform specific tasks to help humankind. New innovation techniques will be used in DNA extraction, tissue culture, cloning issues, plant hormones and growth regulators, gene splitting, embryo transfer, food additives, food safety, food processing, bioconversion of waste, vaccines, and preservation. Application to current issues will be discussed.



0032 LANDSCAPE HORTICULTURE

Prerequisite: none Grade: 10-12
Course length: 1 term Credit: ½

Students develop skills in landscape design, installation, estimating, and the growing of landscape materials. Students will install a landscape in the community. Learn how and put your knowledge to practice in the area of landscaping. Students will solve mathematical problems in the estimation phase of the creation of your personal landscape design. This is a hands-on/minds-on course that will be in part spent outside in the actual landscaping of a home or business. Students will also work maintaining landscapes and plants that were landscaped by previous landscape classes on and off campus.



College Credit Opportunity



Agriculture, Food & Natural Resources



Health Science Technology



Arts, Communications & Information Systems



Fulfills Fine Arts Credit



Engineering, Manufacturing & Technology

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Business, Management & Administration



Human Services

Art

Course Offerings:

- Art Fundamentals
- Advanced Art Fundamentals
- Drawing
- Environmental Art
- Painting
- Advanced Painting
- Ceramics
- Advanced Ceramics
- Independent Art
- College Art Appreciation
- Digital Photography

(If a student's achievement is below average, teacher approval is necessary to take any of the next level courses.)



0100 ART FUNDAMENTALS

Prerequisite: none Grade: 9-12
Term length: 1 term Credit: ½

Painting, Drawing, Clay, different materials and projects almost every week...this class has it all.

Art fundamentals is a developmental course designed to apply and interpret artistic expression, as well as prepare students for other courses offered in the art department. Students will demonstrate an understanding of the elements and principles of design, through a variety of artistic media, techniques and processes. Areas of art history, artists and critiquing are used to explore artistic intent, historical, cultural and social influences along with an understanding of how works of art are structured for a variety of functions.



0101 ADVANCED ART FUNDAMENTALS

Prerequisite: Art Fundamentals Grade: 10-12
Term length: 1 term Credit: ½

Did you enjoy the variety of Art Fundamentals; all the different materials and projects nearly every week? Want to try to improve your skills in drawing, painting and ceramics? This course is designed for you to continue and further develop the skills you learned in Art Fundamentals through more advanced projects.

This is a developmental course designed to apply and interpret artistic expression, as well as prepare students for other courses offered in the art department. Students will demonstrate an understanding of the elements and principles of design, through a variety of artistic media, techniques and processes. Areas of art history, artists and critiquing are used to explore artistic intent, historical, cultural and social influences along with an understanding of how works of art are structured for a variety of functions.



0102 DRAWING

Prerequisite: Art Fundamentals Grade: 10-12
Term length: 1 term Credit: ½

Love Drawing? Want to improve your skills or just become better at drawing? Learn how to draw yourself and a whole lot more!

Drawing is a developmental course designed to apply and interpret artistic expression, and improve the drawing skills through a variety of exercises relating to techniques, power of observation and hand/eye coordination.

This will help in communicating intent and give personal voice to help demonstrate an artistic whole in the finished works. The basic tool, the pencil, along with a variety of other mediums will be used. Areas of art history, artists and critiquing are used to explore artistic intent, historical, cultural and social influences along with how the works are structured for a variety of functions.



0103 ENVIRONMENTAL ART

Prerequisite: Art Fundamentals (required) Drawing & Painting (recommended) Grade: 11-12
Term length: 1 term Credit: ½

Have you noticed all those beautiful murals all around the school? This class is responsible for them. Learn how to paint large scale murals to help improve the look of our school! Students will problem solve, evaluate, research, plan, design, sketch, graph, enlarge, transfer and create art for the public environment. Space will be within the school or community. Areas of art history, artists, critiquing, and computer searches will help communicate intent, a personal voice and artistic whole and consideration for the audience in the selected subject matter. Student and parent will sign an agreement for any traveling to and from possible locations.



0104 PAINTING

Prerequisite: Art Fundamentals Grade: 10-12
Term length: 1 term Credit: ½

Painting class is just what you expect...YOU PAINT! Students will create paintings using watercolor and acrylic paint mediums. Project themes: Botanical, Landscape, Still Life, Abstract, Non-Objective, Your Personal Theme and Your Inspiration from an artist you enjoy. Each student will make a stretched canvas painting and several others that will be ready to frame and display.



College Credit Opportunity



Agriculture, Food & Natural Resources



Health Science Technology



Arts, Communications & Information Systems



Fulfills Fine Arts Credit



Engineering, Manufacturing & Technology



Business, Management & Administration



Human Services

Art (continued)



0106 ADVANCED PAINTING

Prerequisite: Art Fundamentals and completion of Painting w/ grade of C or higher Grade: 11-12

Course length: 1 term Credit: ½

Did you enjoy all the painting you did in Painting? Advanced Painting offers the opportunity for you to further your skills in both watercolor and acrylic along with more options in the art you will produce.

Problem solve, develop and demonstrate advanced skill in areas of painting, art history, artists, critical analysis and interpretation. Explore artistic intent, cultural, historical and social influences to develop works that communicate intent, a personal voice, an artistic whole and consideration for the audience in the subject areas of personal images.



0099 COLLEGE ART APPRECIATION

Prerequisite: Art Fundamentals + 1 additional course from the art department, Accuplacer Grade: 11-12

Course length: 1 term Credit: ½

EARN COLLEGE CREDITS! Students who complete the course will receive 3 credits from Pine Tech & Community College. Students will learn the appreciation of art through art history, viewing art, class discussions, and activities. Course outcomes are to learn how to discuss art and have a greater appreciation for the art world. Topics include: art history, art techniques, art materials, criticism of art, and aesthetic awareness. This is a college level investigation into art discussions-this is a non-studio class. **This maybe taught as a 100% online course or Hybrid. Students meeting criteria will receive 3 credits from Pine Tech & Community College.**



0119 INDEPENDENT ART

Prerequisite: Art Fundamentals and 2 other classes in the art department. *Enrollment is subject to instructor and admin. approval* Grade: 12

Course length: 1 term Credit: ½

Seniors who have a passion for art will design their own nine week curriculum. Students have to get instructor approval, and submit their syllabus two weeks prior to the start of the new term. Students will develop works that communicate intent, a personal voice and artistic whole with consideration for the audience, subject matter, and medium used. If you are interested in this course, contact the art department at least three weeks in advance.



0108 CERAMICS

Prerequisite: Art Fundamentals Grade: 10-12

Course length: 1 term Credit: ½

Who doesn't like clay, potters wheels, hand built creations? TAKE CERAMICS!

Students will throw five or more pots on the wheel. Other projects include, a tile, pinch project, a coil pot, sculpted fish and a teapot. Embellish your work with textures and glaze. Develop works that communicate intent and personal voice. Students will explore cultural and historical influences in clay. If you have always wanted to try clay or liked it in Art Fundamentals, this class is for you.



0120 DIGITAL PHOTOGRAPHY

Prerequisite: Art Fundamentals Grade: 10-12

Course length: 1 term Credit: ½

Photography, Photos, Selfies - Love taking pictures? Want to learn how to take a better photo? You have been asking for it and the art department heard your call. All you need is a point and shoot camera or cellphone that can take digital pictures. You will electronically submit your photographs, no printing, matting or costs! Fulfills Art Graduation Standard in both Visual and Media Arts. This is a basic course in digital photography to offer experiences in; learning about your camera, history of photography, published photographers, framing an image, lighting and using various types of visual compositions when taking photographs.



0110 ADVANCED CERAMICS

Prerequisite: Art Fundamentals and completion of Ceramics w/ grade of C or higher Grade: 11-12

Course length: 1 term Credit: ½

Did you enjoy all the ceramic project? Didn't get enough of the potters wheel or hand-building? Advanced Ceramics offers the opportunity for you to further your skills and to have a focus on either wheel throwing, hand building or BOTH!

Problem-solve, develop and demonstrate advanced skills with clay in the methods of embellishment techniques, pinch/modeling, coil, slab, wheelwork and coloration. Written work in areas of art history, artists, and critiquing are used to explore artistic intent. Study cultural, historical and social influences to develop works for a variety of functions. Write a report that demonstrate an in depth inquiry into subject matter.



College Credit Opportunity



Agriculture, Food & Natural Resources



Health Science Technology



Arts, Communications & Information Systems



Fulfills Fine Arts Credit



Engineering, Manufacturing & Technology

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Business, Management & Administration



Human Services

Business

Course Offerings:

Introduction to Business	Web Design I
Personal Money Management	Web Design II
Marketing I, 1 & 2	Small Business Ownership
Marketing II, 1 & 2	Accounting 1 & 2
Business & Personal Law	Comp. Science Principles
Computer Applications	



0200 INTRODUCTION TO BUSINESS

Prerequisite: none
 Course length: 1 term
 Introduction to Business is an elective business class with the goal of getting students acclimated to the basic understanding of how the business world operates. Units of study include Economics, payroll accounting, Entrepreneurship, and Marketing. This is a great foundational class to take for students who want to learn what the business world is all about.



0202 PERSONAL MONEY MANAGEMENT

Prerequisite: none
 Course length: 1 term
 This course provides the student with fundamentals to apply personal and family resource and financial management knowledge through informed decision making. Students will apply skills in the use of credit, buying insurance, using checking and savings accounts, planning financial investments, renting, preparing income tax forms, and budget management. Students will participate in an online stock market simulation.



0204 / 0206 MARKETING I, 1 & 2

Prerequisite: none
 Course length: 2 terms
 Students enrolled in Marketing I will learn the fundamentals of marketing and management through real-world, authentic classroom projects/tasks. Students will take an in depth look at the 4 P's of marketing (Price, Product, Place, and Promotion) and create a detailed Marketing Plan for a hypothetical product. Working in teams, utilizing technology, and presenting information to others will be stressed in all units covered. Students may also choose to join DECA (Association of Marketing Education Students) to continue to build and improve their leadership, communication, technology, and marketing skills by attending leadership conferences, participating in competitive events with other DECA chapters in the state, and interacting/volunteering in the local community.



0208 / 0210 MARKETING II, 1 & 2

Prerequisite: Marketing I
 Course length: 2 terms
 Students enrolled in Marketing II will build on the fundamentals learned in Marketing I. This class focuses on Advertising, Selling, Market Analysis, Entrepreneurship, Investing, Post-Secondary Options, Career Options, and Job skills through detailed, project oriented units. This class is intended for students who have a sincere interest in business as a career. In addition, students may choose to join DECA (An Association of Marketing Students) to build and improve their leadership, communication, and marketing skills by attending leadership conferences, participating in competitive events conferences, and in participating in local activities and fundraisers. Students who get a "B" or better will be eligible for 3 college credits for a "Principles of Marketing" class at the post-secondary level.



0212 BUSINESS & PERSONAL LAW

Prerequisite: none
 Course length: 1 term
 This law class emphasizes the basic judicial principles that are the foundation of the rights, obligations, and responsibilities of U.S. citizenship. The study of law is useful in determining future career choices in law enforcement, paralegal studies, legal studies, or law office associate. Students will apply knowledge to criminal law, constitutional law, civil law, family law, bankruptcy, leases, and research infamous criminals.



0222 COMPUTER APPLICATIONS

Prerequisite: none
 Course length: 1 term
 This is a great class to get the basic fundamentals of MS Office 2016 including MS Word, Excel, PowerPoint, and Publisher. In addition, there will be small units on Google Drive, Adobe Photoshop, Adobe Fireworks, and introductory game design using Scratch. It is an outstanding class to develop a broad base of fundamental technology skills in a variety of commonly used software programs.



College Credit Opportunity



Agriculture, Food & Natural Resources



Health Science Technology



Arts, Communications & Information Systems



Fulfills Fine Arts Credit



Engineering, Manufacturing & Technology

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Business, Management & Administration



Human Services

Business (continued)



0213 COMPUTER SCIENCE PRINCIPLES

Prerequisite: none Grade: 11-12
 Course length: 1 term Credit: ½
 Computer programming/coding has become somewhat of a necessity over the recent years. Using Python as a primary tool and incorporating multiple platforms and languages for computation, this course aims to develop computational thinking, generate excitement about career paths that utilize computing, and introduce professional tools that foster creativity and collaboration. CSP helps students develop programming expertise and explore basic working of programming languages, such as Python and Java/HTML. Projects and problems include vocabulary, visualizations of data, GUIs, websites, and career exploration in the coding world.



0228 WEB DESIGN I

Prerequisite: none Grade: 9-12
 Course length: 1 term Credit: ½
 Students enrolled in Web Design I will learn basics of web page design, graphic manipulation, and basic game design. Software programs students will be using in Web Design I include Adobe Fireworks CS6, Adobe Photoshop CS3, Adobe Dreamweaver CS6 and Scratch. Students will be given the opportunity to learn, develop, and enhance web, graphic and game design skills.



0229 WEB DESIGN II

Prerequisite: Web Design I with a C- or better Grade: 10-12
 Course length: 1 term Credit: ½
 Students enrolled in Web Design II will build on skills learned in Web Design I. Software programs students will be using in Web Design II include Adobe Fireworks CS6, Adobe Photoshop CS6, Adobe Dreamweaver CS6 and Adobe Flash CS6. Graphics, sound, motion, use of color, basic game design and utilization of multimedia functionality will be emphasized. Upon successful completion of this class students will be armed with the necessary skills to create professional looking web sites.



0235 SMALL BUSINESS OWNERSHIP

Prerequisite: none Grade: 10-12
 Course Length: 1 term Credit: ½
 This small business ownership/entrepreneurship class provides students the opportunity to create and design their own hypothetical business while learning the basic principles involved with small business ownership. Key units of study include financing, promoting, staffing, and locating a business. In addition, guest speakers from the local business community, utilizing technology, and exploring key characteristics of successful entrepreneurs will be key elements of the course.



0214 / 0216 ACCOUNTING 1 & 2

Prerequisite: none Grade: 11-12
 Course length: 2 terms Credit: ½ each
 The student will learn the rules and procedures of accounting for profit-motivated businesses. Learning the “how” and “why” of accounting will enable one to keep the accurate financial records from which to make wise financial decisions. This course will teach double entry accounting using the General Journal (General Ledger) system. The complete accounting cycle will be learned. The course will also explain the ten-column worksheet and financial statements for a merchandising business. It will deal with payroll, depreciation, and petty cash. Selected projects will be completed using a computerized accounting program.



College Credit Opportunity



Agriculture, Food & Natural Resources



Health Science Technology



Arts, Communications & Information Systems



Fulfills Fine Arts Credit



Engineering, Manufacturing & Technology



Business, Management & Administration



Human Services

Engineering - Project Lead the Way

The Project Lead the Way (PLTW) Program offers a sequence of courses, when combined with high level math and science skill acquisition, introduces students to the scope, rigor, and discipline of engineering technology. This curriculum will allow students to explore their interest in engineering as a career. Universities and colleges throughout MN offer college credit recognition to students who complete PLTW courses from certified high schools. High school students successfully completing PLTW courses may apply for transcripted credit from St. Cloud State University (SCSU). The student will receive 3 semester elective credits per course, subject to the following conditions:
*All requirements for the PLTW course must be satisfied and the student must achieve an 80% (B) or better for the course
*The PLTW end of course exam must be taken and earn a score of 4 or higher
*The registration form must be completed and the fee of \$100 must be paid to SCSU
*Grade of S (satisfactory) appears on the SCSU transcript

Course Offerings:

Intro to Engineering Design
*Principles of Engineering
Engineering Capstone
Computer Integrated Manufacturing

*Elective Science Credit - If both sections (1 & 2) are completed, students may receive 1 full credit of a science elective.



0467-0468 INTRODUCTION TO ENGINEERING DESIGN 1 & 2 (IED)

Prerequisite: none Grade: 9-12
Course length: 2 terms Credit: ½
Introduction to Engineering is an introductory course which develops student problem solving skills with emphasis placed on the concept of developing a 3-D model or solid rendering of an object. Students focus on the application of visualization processes and tools provided by the use of Inventor Software. The course will emphasize the design development process of a product and how a model of that product is produced, analyzed and evaluated using a design system. This course is being articulated with Century College.



0465-0466 PRINCIPLES OF ENGINEERING 1 & 2 (POE)

Prerequisite: Students have completed IED and successfully completed Intermediate Algebra 1

Grade: 10-12

Course length: 2 terms

Credit: ½ ea

This course will help students understand the field of engineering/engineering technology and covers various technology systems and manufacturing processes. Using activities, projects and problems, students learn first-hand how engineers and technicians use math, science and technology in an engineering problem-solving process to benefit people. The course also addresses concerns about social and political consequences of technological change. Principles of Engineering's key concepts are communication, design process, statics, material testing and kinematics. **Students completing this course may receive science elective credit.**



0462-0463 COMPUTER INTEGRATED MANUFACTURING 1 & 2 (CIM)

Prerequisite: IED and/or POE

Grade 10-12

Course length: 2 terms

Credit: 1

Students will learn the concepts of robotics and automated manufacturing by creating three-dimensional designs with Inventor modeling software, and produce models of their designs. CIM gives students a real life look at manufacturing with the opportunity to use automation, control systems, sensing devices, computer programming, and robotics to efficiently mass-produce a product using a 3D model. This course provides the opportunity to earn three college credits.



0474-0475 ENGINEERING CAPSTONE 1 & 2

Prerequisite: one of the following: IED, POE or CIM

Grade: 11-12

Course length: 1 term each

Credit: .5 ea.

In this capstone course, students work in teams to design and develop an original solution to a valid open-ended technical problem by applying the engineering design process. Students perform research; to choose, validate, and justify a technical problem. After carefully defining the problem, teams design, build, and test their solutions while working closely with industry professionals who provide mentoring opportunities. Finally, student teams present and defend their original solution to an outside panel.



College Credit Opportunity



Agriculture, Food & Natural Resources



Health Science Technology



Arts, Communications & Information Systems



Fulfills Fine Arts Credit



Engineering, Manufacturing & Technology



Business, Management & Administration

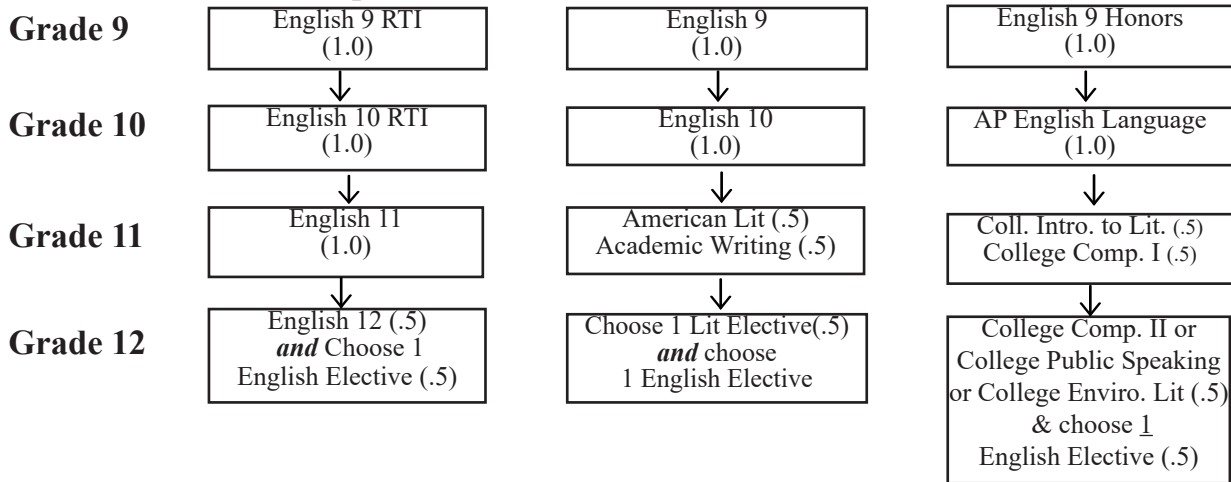


Human Services

English

Grades 9-12 Flow of Coursework

Students may move from one column to another based on academic performance and teacher recommendation



English Elective Options		English Literature Options
Modern Literature (.5)	College Intro. to Literature (.5)	Modern Literature (.5)
British Literature (.5)	College Public Speaking (.5)	British Literature (.5)
World Literature (.5)	College Creative Writing (.5)	World Literature (.5)
Media Production (.5)	College Composition I (.5)	College Enviro. Literature (.5)
Creative Writing (.5)	College Composition II (.5)	War in History, Lit. & Film (.5)
Public Speaking (.5)	College Enviro..Literature (.5)	College Intro. to Literature (.5)
War in History, Lit. & Film (.5)		



NCAA

0500 / 0502 ENGLISH 9, 1 & 2

Prerequisite: none
 Course length: 2 terms
 This required course consists of the study of literature, writing, oral communication, grammar, and vocabulary. This semester long course includes the analysis of short stories, poetry, and drama, along with the practice of writing a variety of expository papers based on the writing process (pre-writing, composing, revising, conferencing and editing).

Grade: 9
 Credit: ½ each



NCAA

0508 / 0510 ENGLISH 9 HONORS, 1 & 2

****DO NOT SIGN-UP FOR THIS CLASS****

Students will be selected based upon data collection & instructors/administration placement. Students must earn a B- or better for their term grade.

Grade: 9
 Course length: 2 terms
 Credit: ½ each

This rigorous class is designed for highly motivated students who choose to pursue an accelerated, in-depth study of communications. Students will read novels and plans while writing expository essays based on the writing process (pre-writing, composing, revising, conferencing and editing). They will also study grammar, usage and vocabulary & oral communication. Students must be outstanding readers capable of difficult, above grade level material.



College Credit Opportunity



Agriculture, Food & Natural Resources



Health Science Technology



Arts, Communications & Information Systems



Fulfills Fine Arts Credit



Engineering, Manufacturing & Technology

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Business, Management & Administration



Human Services

English (continued)



0485-0488 ENGLISH 9 RTI, 1-4

****DO NOT SIGN-UP FOR THIS CLASS****

Students will be selected based upon data collection & instructors/administration placement.

Course length: 4 terms

This course is designed to help student progress and encourage academic success through: implementing reading intervention strategies, reinforcing learned study skills, spelling and vocabulary strategies, and incorporating English 9 curriculum semesters one & two, including short stories, oral communication, poetry, drama, nonfiction, and a novel.

Grade: 9

Credit: ½ each



NCAA

0503-0504 ENGLISH 10, 1 & 2

Prerequisite: English 9

Grade: 10

Course length: 2 terms

Credit: ½ each

This required course consists of the study of literature, writing, oral communication, grammar and vocabulary. Students will study literature: the novel, short stories, drama and poetry. Students will also study works of nonfiction: essays and biographies. Students will work to develop critical and analytical reading skills.



NCAA

0524-0525 AP ENGLISH LANGUAGE 1 & 2

Prerequisite: English 9 Honors or teacher recommendation

Grade: 10

Course length: 2 semesters

Credit: 1/2 each

This AP class is designed for highly motivated students who choose to pursue an accelerated, in-depth study of rhetoric. The class will focus on the study of language, writing, oral communication, grammar and vocabulary, and literature. Students must be outstanding readers capable of handling above grade level material. Students will analyze and evaluate the novel, short stories, drama, and poetry, but the majority of the texts dealt with in class will be nonfiction. *This course is to be registered concurrently with AP US History.*



0490-0493 ENGLISH 10 RTI, 1-4

****DO NOT SIGN-UP FOR THIS CLASS****

Prerequisite: English 9 RTI or students will be selected based upon data collection & instructors/administration placement.

Grade: 10

Course length: 4 terms

Credit: ½ each

This course is designed to help student progress and encourage academic success through: implementing reading intervention strategies, reinforcing learned study skills, spelling and vocabulary strategies, and incorporating English 10 curriculum semesters one & two, including short stories, oral communication, poetry, drama, nonfiction, and a novel.



NCAA

0495-0496 ENGLISH 11, 1 & 2

Prerequisite: English 10 RTI or staff recommendation

Grade: 11

Credit: ½ each

Course length: 2 terms

While exploring the themes of American culture as found in American Literature, English 11 students will discover many useful post high school characteristics. Reading, writing, listening, speaking, viewing, critical thinking and problem solving skills will be developed. Examples of class projects are: detailed group and individual presentations, academic writing, and opportunities for meaningful discussion and peer instruction. A research project will bring together academic and technical skills, in preparation for technical or vocational school as well as new understandings gained from the course content.



NCAA

0505 AMERICAN LITERATURE

Prerequisite: English 10

Grade: 11

Course length: 1 term

Credit: ½

This course will present an overview of American Literature from the Colonial Period to the present. It will concentrate on literary movements, significant authors and literary forms. Student writing assignments will be based on literature and research. Successful completion of the outcomes of this course will prepare the student for their senior year. Areas of study: Colonial Period, Classicism, Romanticism, Realism, Naturalism, Modern Fiction, poetry and composition skills. Expectations: Students will read daily assignments; complete course writing assignments using the writing process of pre-writing/writing/post-writing; and complete two novels. Student writing samples will be collected. Evaluation will be based on tests, quizzes, writing assignments and class participation.



NCAA

0520 MODERN LITERATURE

Prerequisite: none

Grades: 11-12

Course length: 1 term

Credit: ½

This class will be a mixture of modern literature from international fictional texts to educate students on themes and structures of multiple cultures and ethnicities. By studying selections from different ethnic & contemporary literary genres, students will develop a better understanding of the many types of literature available to them. Class activities include reading, thinking, writing, and discussing.



NCAA



0529 COLLEGE INTRODUCTION TO LITERATURE

Prerequisite: Meeting concurrent enrollment requirements

Grade: 11-12

Course length: 1 term

Credit: ½

This foundational course introduces the study of literature as a mode of discourse for defining, exploring, and expressing human experience. The students will learn the skills of reading and writing about literature along with knowledge of its basic concepts. The survey course introduces students to the major forms of literature: novels, short stories, plays, and creative non-fiction.



College Credit Opportunity



Agriculture, Food & Natural Resources



Health Science Technology



Arts, Communications & Information Systems



Fulfills Fine Arts Credit



Engineering, Manufacturing & Technology



Business, Management & Administration



Human Services

English (continued)



NCAA

0506 ACADEMIC WRITING

Prerequisite: English 10

Course length: 1 term

Grade: 11

Credit: ½

Academic Writing is a college preparatory English course. The concepts and requirements of this course will prepare students for post-secondary writing assignments. Students will learn techniques such as organization, target audience, word choice, sentence and paragraph structure, coherence, unity and citation of primary and secondary sources. This course emphasizes writing as a process, from planning and drafting through revising and editing. Using personal experience, readings, and other sources, students will write unified, coherent, well-developed essays and practice paraphrasing, summarizing, and using sources responsibly.



NCAA

0497 ENGLISH 12

Prerequisite: English 11 and/or instructor/admin. approval

Grade: 12

Course length: 1 term

Credit: ½

Students will develop work place skills by doing professional technical writing for a variety of purposes, situations and audiences. Furthermore, students will explore the many facets of workplace communication. In technical college fields and in business and industry, clear communication and logical technical writing skills are required. Examples of class projects are: resumes, feasibility reports, memos, interpersonal skills, interviews and public speaking.



NCAA

0530 CREATIVE WRITING

Prerequisite: English 9 and 10

Course length: 1 term

Grade: 11-12

Credit: ½

Students will engage in several activities that stress the importance of the writing process and quality characteristics of creative writing. Guided through pre-writing, drafting, editing, and publishing students will develop solid works of literature that they can proudly display in a portfolio they develop throughout the term. Major activities include a: memoir, descriptive piece, creative non-fiction, poetry booklet, and a final short story.



NCAA

0522 BRITISH LITERATURE

Prerequisite: none

Course length: 1 term

Grades: 11-12

Credit: ½

This course presents British Literature from the creation of Old English to the present. We will study the Old English, Medieval, Renaissance, Romantic, Victorian, and Modern periods. Students will read one play and two novels in addition to textbook readings. These selections are “*A Midsummer Night’s Dream*,” *Dracula* and *1984*. In addition to daily reading assignments, students will be asked to write papers analyzing the structure of the writing and the characters in the texts. Student performance on tests, quizzes, writing assignments and class participation will determine grade.



0532 MEDIA PRODUCTIONS

Prerequisite: none

Course length: 1 term

Grade: 11-12

Credit: ½

Students are exposed to Media Literacy by analyzing Internet, TV, and movie images. They learn elements of video production (editing, camera, and scripting). Students work in groups on pre-production, field production, and post production to create a videography, short film, Go WILD promotional video, music video, and a segment for Wildcat News. They also analyze a television episode and major movie, using their media literacy skills the evaluate the cinematography present.



NCAA

0536 PUBLIC SPEAKING

Prerequisite: English 9 & 10

Course length: 1 term

Grade: 11-12

Credit: ½

Public Speaking is designed to help students further develop their oral communication skills. The course will focus on the arrangement of a speech, style, language, delivery and other aspects. Students will also learn to locate, select, and organize information for a variety of purposes. Furthermore, students will inform, persuade, entertain, and move their audience with subjects of concern in a variety of speeches from impromptu, to interpretive, to those more meticulously planned.



College Credit Opportunity



Agriculture, Food & Natural Resources



Health Science Technology



Arts, Communications & Information Systems



Fulfills Fine Arts Credit



Engineering, Manufacturing & Technology

41



Business, Management & Administration



Human Services

English (continued)



NCAA



0534 COLLEGE COMPOSITION I

Prerequisite: Meeting concurrent enrollment requirements

Course length: 1 term

Grade: 12

Credit: ½

Composition I is a college-level course focusing on writing expository prose using word processing as a tool for composing. The course emphasizes writing as process, critical reading, developing a voice, and grammar and style review. Students will write a minimum of five full-length essays in the course, as well as post weekly discussion assignments, and be challenged with in-depth style instruction.

Students meeting criteria will receive 3 credits through Lake Superior College.



NCAA



0535 COLLEGE COMPOSITION II

Prerequisite: Students must earn a C or higher in College Composition I

Course length: 1 term

Grade: 12

Credit: ½

Composition II is a college-level course focusing on academic writing using primary and secondary sources, including basic research using print and electronic sources. The course emphasizes writing as a process, critical analysis, summarizing, research, logical argumentation and MLA documentation. Students must complete College Composition I before taking College Composition II.

Students meeting criteria will receive 3 credits through Lake Superior College.



NCAA

0570 WAR IN HISTORY, LITERATURE AND FILM

Prerequisite: none

Course length: 1 term

Grade: 11-12

Credit: ½

Students may take this course as an elective in either English or Social Studies. This course will focus on several wars through history (nonfiction), literature (novels) and film. We will study the effect of the media, both news and feature films, on the public's perception of war. This course will also include the reading of several novels and short works of fiction.



NCAA



0526 COLLEGE PUBLIC SPEAKING

Prerequisite: Meeting concurrent enrollment requirements

Course length: 1 term

Grade: 11-12

Credit: ½

This course provides opportunities for students to become familiar with a variety of techniques to develop skills in research, organization, and presentation of informative and persuasive speeches. Students should expect to reduce speech apprehension and develop self-confidence in their ability to communicate in public.

Students meeting criteria will receive 3 credits through Lake Superior College.



NCAA



0527 COLLEGE

ENVIRONMENTAL LITERATURE

Prerequisite: College Comp. I and meeting concurrent enrollment requirements.

Course length: 1 term

Grade: 12

Credit: ½

Students in this course will explore a wide variety of environmentally focused literature that will explore the complex relationships of people and policy with nature both in conflict and in harmony. Furthermore, you will be encouraged to explore your own relationship to environment and nature throughout the course. **Upon completion, students will be eligible to receive 3 college credits from Lake Superior College.**



NCAA



0528 COLLEGE CREATIVE WRITING

Prerequisite: Meeting concurrent enrollment requirements

Course length: 1 term

Grade: 11-12

Credit: ½

Students will engage in many writing activities that stress the importance of the writing process and quality characteristics of creative writing. This course is designed to stimulate creativity in thought and perception and to enhance each student's abilities to express his or her personal vision in written form. Students will be introduced to the basic language, concepts, and structures of fiction, creative non-fiction, poetry, and drama. Furthermore, students will proudly display their works in a personal portfolio and select a few special pieces to be published in a class publication. Finally, this is a college rigorous course. **Upon completion, students will be eligible to receive 3 college credits through Lake Superior College.**



NCAA

0515 WORLD LITERATURE

Prerequisite: none

Course length: 1 term

Grades: 11-12

Credit: ½ each

This course will focus on world literature to broaden students' literary landscape and present them with multiple world views. Each unit will include an investigation of culture, working toward a definition and an understanding of commonalities and differences among human cultures as represented in literature, media, and non-fiction from around the world. They will research and write about the ways cultures communicate and the conflicts that sometimes arise between cultures based on their differences in world views.



College Credit Opportunity



Agriculture, Food & Natural Resources



Health Science Technology



Arts, Communications & Information Systems



Fulfills Fine Arts Credit



Engineering, Manufacturing & Technology



Business, Management & Administration



Human Services

Family & Consumer Science

Course Offerings:

Culinary 1 & 2
 Child Development I & II
 Housing and Interior Design
 Interpersonal Relationships and Communication

Fashion
 Independent Living
 Freshmen FACS



0800 CULINARY 1

Prerequisite: none
 Course length: 1 term
 This introductory course will study safety and sanitation, cooking terms, kitchen tools and equipment, My Pyramid, etiquette, and basic principles of cooking. Students will apply these principles through labs involving: quick breads, yeast breads, fruits, vegetables, eggs, cheese, and pastries. Students will also evaluate fast food choices. [This course requires a student lab fee of \$20.]



0801 CULINARY 2

Prerequisite: Culinary 1
 Course length: 1 term
 This course will provide students with information and skills necessary in the techniques of advanced food preparation. Basic topics to be covered include: meal planning, breakfast, time management, grocery shopping, convenience foods. Advanced topics covered include preparation of appetizers, soups, salads, entrees & desserts. A short unit on international foods will be included as well.
 [This course requires a student lab fee of \$20.]



0806 FASHION

Prerequisite: none
 Course length: 1 term
 This course is an introduction to the world of fashion. Topics covered during the term are: basic functions of clothing, clothing terms, garment styles, popular fashion designers, clothing care, elements and principles of design and smart shopping strategies.



0810 INDEPENDENT LIVING

Prerequisite: none
 Course length: 1 term
 This course will help students prepare for life after high school and manage resources for their future household. Topics covered include: personality, budgets, banking, credit, housing, car buying, insurance, college and financial aid, and financial security. Students will manage a checking account throughout the term.



0812 CHILD DEVELOPMENT I

Prerequisite: none
 Course length: 1 term
 This course studies the way children grow and develop from conception to age three. Areas covered include: effective parenting skills and discipline, pregnancy and labor, birth defects, infant and toddler development and teen pregnancy. The Baby Think It Over Infant Simulator is a required part of this class. Students will take a real care baby home for one full weekend during the quarter.



0813 CHILD DEVELOPMENT II

Prerequisite: Successful completion with a grade of B- or higher in Child Development I and meeting concurrent enrollment requirements.
 Course length: 1 term
 If you are considering a career in education or child care, this is the class for you! This college course studies the development of children aged 4-5. This class will provide students the opportunity to work hands-on with children in a professional, educational setting. Students will explore developmental theories and apply these theories to their observations. In addition, students will write a research paper.
Students meeting criteria will receive 3 credits from Pine Technical & Community College.



0814 INTERPERSONAL RELATIONSHIPS AND COMMUNICATION

Prerequisite: none
 Course length: 1 term
 This class will focus on interpersonal relationships and teen issues. Course topics include: personality, values, friendship, dating, love, marriage and family. Students will present a teen issue topic to class such as suicide, chemical dependence, eating disorders, etc. This class emphasizes patience, respect and tolerance.



0817 HOUSING & INTERIOR DESIGN

Prerequisite: none
 Course length: 1 term
 Students will develop awareness to housing needs, types of housing available, exterior design & floor plans. Each student will work to complete projects in which they will apply the elements and principles of design through selection of color, furniture, accessories, wall treatments, flooring and textiles.

0820 FRESHMEN FACS

Prerequisite: none
 Course length: 1 term
 This course provides students the opportunity to learn essential life skills. Although the focus of the course will be on nutrition and food preparation, there will also be smaller units on interior design, money management, child care, interpersonal relationships and communication. Each unit will incorporate group and individual projects as well as academic content.



College Credit Opportunity



Agriculture, Food & Natural Resources



Health Science Technology



Arts, Communications & Information Systems



Fulfills Fine Arts Credit



Engineering, Manufacturing & Technology



Business, Management & Administration



Human Services

Foreign Language

Course Offerings: In order for a student to continue to the second term of a language class, the student must receive a passing grade in the first term.

Spanish I	German I
Spanish II	German II
College Spanish I	College German I
College Spanish II	College German II

ITV Courses:

College American Sign Language I & II, French I & II, and Chinese I & II, College German I & II



NCAA

1200 / 1202 SPANISH I, 1 & 2

Prerequisite: successful completion of English 8 and staff approval

Grade: 9-12

Course length: 1 term each

Credit: ½ each

This course is an introduction to the language and cultures of Spain, Mexico, and the Americas. Spanish I provides basic training in comprehending and communicating through practice in speaking, listening, reading and writing.



NCAA

1204 / 1206 SPANISH II, 1 & 2

Prerequisite: C average in Spanish I

Grade: 10-12

Course length: 1 term each

Credit: ½ each

This course is a continuation of Spanish I. More Spanish grammar and vocabulary are studied.



NCAA



1208 / 1210 COLLEGE SPANISH I, 1 & 2

Prerequisite: min. C average in Spanish II & meeting concurrent enrollment requirements

Grade: 11-12

Course length: 1 term each

Credit: ½ each

Texts and materials are advanced and more thoroughly cover Spanish grammar. Verbal skills are emphasized through group projects and individual presentations. **Students who successfully complete this course earn 4 college credits through Riverland Community College.**



NCAA



1212 / 1214 COLLEGE SPANISH II, 1 & 2

Prerequisite: minimum C average in College Spanish I & meeting concurrent enrollment requirements

Grade: 11-12

Course length: 1 term each

Credit: ½ each

College Spanish further develops language skills. Literature is explored to give the advanced student a wider view of the Hispanic world. **Students who successfully complete this course earn 4 college credits through Lake Superior College.**



NCAA

1216 / 1218 GERMAN I, 1 & 2

Prerequisite: successful completion of English 8 and staff approval

Grade: 9-12

Course length: 1 term each

Credit: ½ each

This course is an introduction to the language and cultures of Germany, Austria, and Switzerland. German I provides training in comprehending and communicating in German in a range of applications.



NCAA

1220 / 1222 GERMAN II, 1 & 2

Prerequisite: C average in German I

Grade: 10-12

Course length: 1 term each

Credit: ½ each

This course is a continuation of German I. The rest of German grammar is introduced and much more vocabulary is studied.



NCAA



1227-1228 COLLEGE GERMAN I, 1 & 2

Prerequisite: C average in German II

Grade: 11-12

Course length: Full Year

Credit: 1.0 (5 college credits)

This class will focus on improving proficiency and cultural understanding. The textbook Sprunge will be used and is divided into 4 chapters that focus on the multicultural aspects of German life, school, and work. It also focuses on the ever changing face of Germany and its history. At the end of this year students are tested on their speaking, writing and reading skills with another German teacher. They are also expected to create a video with their class. Students should be prepared to spend 20 minutes daily on study outside of class.



NCAA



1229-1230 COLLEGE GERMAN II, 1 & 2

Prerequisite: C in College German I

Grade: 11-12

Course length: Full Year

Credit: 1.0 (5 college credits)

This class will focus on improving proficiency and cultural understanding. The textbook Sprunge will be used and is divided into 4 chapters that focus on the multicultural aspects of German life, school, and work. It also focuses on the ever changing face of Germany and its history. At the end of this year students are tested on their speaking, writing and reading skills with another German teacher. They are also expected to create a video with their class. Students should be prepared to spend 20 minutes daily on study outside of class.



College Credit Opportunity



Agriculture, Food & Natural Resources



Health Science Technology



Arts, Communications & Information Systems



Fulfills Fine Arts Credit



Engineering, Manufacturing & Technology



Business, Management & Administration



Human Services

Foreign Language (continued)



1602-1603 COLLEGE AMERICAN SIGN LANGUAGE I, 1-4 (ASL)

Type of course: Interactive TV (ITV)
 Host School: Pine City Grade: 10-12
 Prerequisite: administration approval Credit: 1/2 each
 Course Length: 2 semesters
 American Sign Language is the language used by approximately one half million deaf and hard of hearing people in the United States and parts of Canada. This language differs from English in its grammar and structure. In this class you will be learning basic American Sign Language vocabulary, grammar, and sentence structure. You will also be introduced to some of the unique social and cultural implications of deafness. This "hands-on" course is designed with opportunities to develop your receptive and expressive skill through dialogue practice and interaction activities. Portions of the course will be conducted non-verbally (voices are not allowed).



1604 - 1605 COLLEGE AMERICAN SIGN LANGUAGE II, 1-4 (ASL)

Type of course: Interactive TV (ITV)
 Host School: Pine City Grade: 10-12
 Prerequisite: grade of C or better in ASL I & administration approval
 Course Length: 2 semesters Credit: 1/2 each
 ASL II is a continuation of ASL I. Students will continue to develop expressive and receptive skills while increasing understanding of more complex vocabulary and grammar. Conversational skills and appropriate sign choice will be emphasized. Further exploration of Deaf Culture is also included. At the completion of the course students should be able to carry on extended conversations on a variety of topics, and will possess the cultural awareness necessary for successful interaction with members of the Deaf Community. Portions of class will be conducted in ASL, without spoken English.



1615 - 1618 FRENCH I, 1-4

Type of course: Interactive TV (ITV)
 Host School: Cambridge Grade: 10-12
 Prerequisite: administration approval Credit: 1/4 each
 Course Length: 4 terms
 The objective of this course is to learn to comprehend and communicate at an introductory level in a language other than English. The vocabulary and grammar structures learned this year are basic to survival in a French-speaking world.



1620 - 1623 FRENCH II, 1-4

Type of course: Interactive TV (ITV)
 Host School: Cambridge Grade: 10-12
 Prerequisite: successful completion of French I and administration approval
 Course Length: 4 terms Credit: 1/4 each
 French II is a continuation of French I. New vocabulary, grammar and expressions will be introduced and reinforced through writing, speaking, listening, and reading. Cultural information is presented almost exclusively in French.



1625 - 1628 CHINESE I, 1-4

Type of course: Interactive TV (ITV)
 Prerequisite: none Grade: 10-12
 Course Length: 4 terms Credit: 1/4 each
 This is the beginning course in a four-year sequence that will enable the student to speak, read, write, and understand the Official Mandarin Chinese language. In addition, the course will help the student understand the culture and heritage of approximately one-fifth of the world's population. The focus will be on simple vocabulary building, character recognition, and memorization using Chinese songs, games, and the art of calligraphy.



1629 - 1632 CHINESE II

Type of course: Interactive TV (ITV)
 Prerequisite: Chinese I Grade: 10-12
 Course Length: 4 terms Credit: 1/4 each
 This course is structured for the student to continue the study and mastery of the basic skills of speaking, listening, writing, and reading beginning Chinese. As in Chinese I, the course focuses on modern Mandarin Chinese, but some commonly used formal expressions used only in written Chinese are also included. Students will become acquainted with contemporary Chinese life and the contributions of Chinese culture.



College Credit Opportunity



Agriculture, Food & Natural Resources



Health Science Technology



Arts, Communications & Information Systems



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Engineering, Manufacturing & Technology



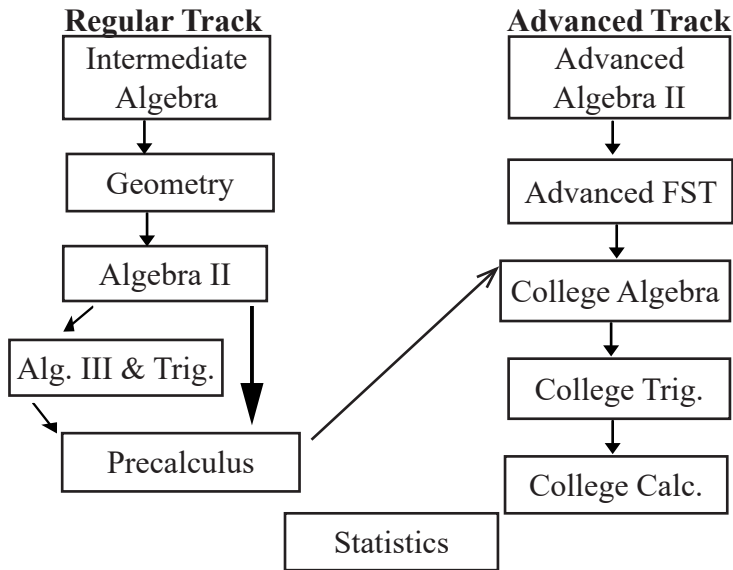
Business, Management & Administration



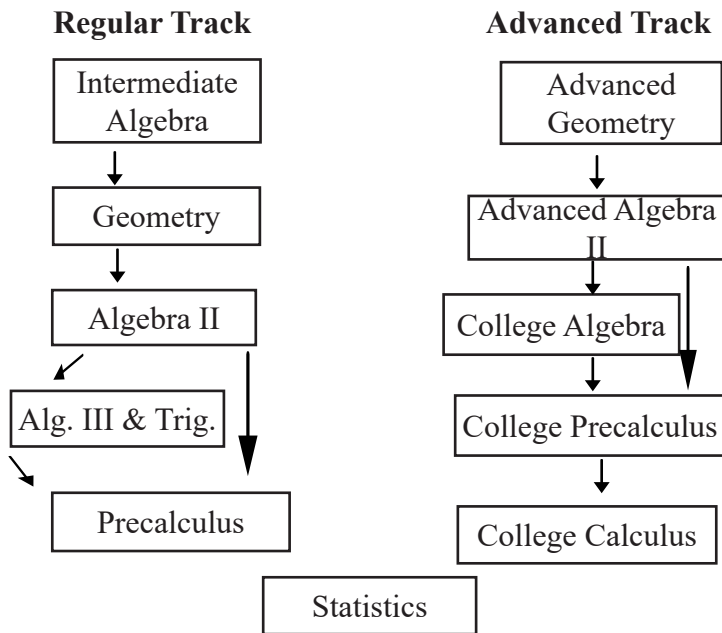
Human Services

Math

Class of 2024-2026



Class of 2027-Future



Course Offerings:

Algebra II, 1 & 2
 Algebra III & Trig, 1 & 2
 Intermediate Algebra, 1 & 2
 RTI Intermediate Algebra, 1 & 2
 Geometry, 1 & 2
 Advanced Geometry 1 & 2
 Advanced Algebra II, 1 & 2

Advanced FST, 1 & 2
 Precalculus, 1 & 2
 College Algebra, 1 & 2
 College Trigonometry, 1 & 2
 College Precalculus, 1 & 2
 College Calculus 1 & 2
 Statistics, 1 & 2



NCAA

0681-0682 ALGEBRA I, 1 & 2

Prerequisite: none
 Course length: 2 terms
 Grade: 9-12
 Credit: ½ each

****DO NOT SIGN UP FOR THIS CLASS****

Students in Algebra I will classify real numbers and discover the properties of exponents. Students will also investigate proportional and non-proportional relationships. Linear relationships are examined by making connections between tables, graphs, equations and contextual situations. Students will also study systems of linear equations and their applications. Finally, students will investigate the Pythagorean Theorem and its applications.



NCAA

0676 / 0678

RTI INTERMEDIATE ALGEBRA, 1 & 2

Prerequisite: none
 Course length: 2 semesters
 Grade: 9-12
 Credit: ½ each

****DO NOT SIGN UP FOR THIS CLASS****

This course alternates every other day between Intermediate Algebra (core curriculum) and Math Lab core curriculum (support & targeted intervention). Students will cover linear equations, functions, systems of equations, quadratic functions, exponential equations, radicals and probability. This course will revisit linear functions from Algebra 1, but will emphasize non-linear functions.



NCAA

0660-0661

INTERMEDIATE ALGEBRA, 1 & 2

Prerequisite: Passing grade in Algebra I
 Course length: 2 terms
 Grade: 9
 Credit: 1/2 each

Students will cover linear equations, functions, systems of equations, quadratic functions, exponential equations, radicals and probability. This course will revisit linear functions from Algebra 1, but will emphasize non-linear functions.



NCAA

0620-0621 ADVANCED GEOMETRY, 1 & 2

Prerequisite: Grade of C or higher in Adv Math 8
 Students will explore in depth many topics in geometry including proofs, parallel and perpendicular lines, transformations, triangles, polygons, circles and probability
 Grade: 9
 Credit: 1/2 each



NCAA

0614-0615 GEOMETRY, 1 & 2

Prerequisite: Passing grade in Intermed. Algebra
 Students will be able to learn all the geometry topics in the textbook with this engaging course, including Geometric basics, Reasoning and proofs, Parallel and perpendicular lines, Transformations in geometry, Triangles, Quadrilaterals and other polygons, Circles, Finding circumference, area and volume, and Probability.
 Grade: 10-12



College Credit Opportunity



Agriculture, Food & Natural Resources



Health Science Technology



Arts, Communications & Information Systems



Fulfills Fine Arts Credit



Engineering, Manufacturing & Technology



Business, Management & Administration



Human Services

Math (continued)



NCAA

0622-0623 ADVANCED ALGEBRA II, 1 & 2

Prerequisite: Grade of C or higher in Geometry Grade: 9
 Course length: 2 terms Credit: ½ each
 Students will explore the real and complex number systems, equations, inequalities, polynomials, rational expressions, exponential and quadratic functions. Students completing this course with a C or higher should be prepared for the college-level courses.



NCAA

0618-0619 ALGEBRA II, 1 & 2

Prerequisite: Passing grade in Geometry Grade: 11-12
 Course length: 2 terms Credit: ½ each
 Students will cover linear equations, functions, systems of equations, quadratic functions, exponential and logarithmic functions, radicals, probability and trigonometry. This course will revisit linear functions from Algebra I but will emphasize non-linear functions.



NCAA

0638-0639

ALGEBRA III & TRIGONOMETRY, 1 & 2

Prerequisite: Passing grade in Adv. Alg. II, Adv. FST, or Alg. II
 Course length: 2 terms Grade: 10-12
 Credit: ½ each

Students will acquire a solid foundation in algebra and trigonometry as well as preparing them for future math courses. Students will see how algebra and trigonometry can model and solve authentic real-world problems. Students will also develop problem-solving skills while fostering critical thinking.



NCAA

0650-0651

ADVANCED FUNCTIONS, STATISTICS & TRIGONOMETRY (FST), 1 & 2

Prerequisite: Grade of C or higher in Adv. Alg. II Grade: 10
 Course length: 2 terms Credit: ½ each
 Students will study a wide variety of topics to prepare them for college-level courses and technical training. The topics will include, trigonometry and its applications, probability, functions, and advanced problem solving. A graphing calculator is required. After successful completion of this course, you will be able to take College Algebra, the first course in the CIS program upon passing the Accuplacer test.



NCAA

0628 / 0630 PRECALCULUS 1 & 2

Prerequisite: Passing grade in Alg. II or Alg. III & Trig. or Adv. FST
 Grade: 11-12
 Course length: 2 terms Credit: ½ each
 Students will study a wide variety of topics to prepare them for college level courses and technical training. Topics included are equations, inequalities, functions, polynomials, rational functions, exponential and logarithmic functions, and sequences. A graphing calculator is required. After successful completion of this course, you will be able to take College Algebra, the first course in the CIS program upon passing the Accuplacer test.



NCAA

0636-0637 COLLEGE ALGEBRA, 1 & 2

Prerequisite: Grade of B- or higher in Adv. FST or Pre-Calculus, must meet concurrent enrollment requirements and a passing score on the Accuplacer exam Grade: 11-12
 Course length: 2 terms Credit: ½ each
 Students learn the algebraic skills and concepts needed for success in advanced courses of math, science and business. Throughout the course we study relationships, functions, systems of equations, polynomials, rational functions, exponential and logarithmic functions, series and sequences as well as probability. Upon completion of this course with a college grade of C or higher, student will earn 4 college credits.



COLLEGE PRECALCULUS, 1 & 2

Grade: 11-12
 Course length: 2 terms Credit: ½ each



NCAA

0646-0647 COLLEGE TRIGONOMETRY, 1 & 2

Prerequisite: College grade of C or higher in Coll. Alg. and meeting concurrent enrollment requirements Grade: 11-12
 Course length: 2 terms Credit: ½ each
 Students who successfully complete this course earn 3 college credits. Students will learn trigonometric topics. The topics will cover trigonometric functions, identities, solving triangles, probability and conic sections. A graphing calculator is required. This is a spring course.



NCAA

0640 / 0642 COLLEGE CALCULUS, 1 & 2

Prerequisite: College grade of C or higher in Coll. Trig. and meeting concurrent enrollment requirements Grade: 12
 Course length: 2 terms Credit: ½ each
 Students who successfully complete this course earn 5 college credits. Students will be expected to master the following skills: limits and continuity, derivatives, differentiation rules, integrals and anti-derivatives, applications of integrals including areas and volumes. A graphing calculator is required.



NCAA

0669-0670 STATISTICS, 1 & 2

Prerequisite: Grade of C- or higher in Adv. FST, Precalculus or college math courses Grade: 11-12
 Course length: 2 terms Credit: ½ each
 Students will cover the major tools for collecting, analyzing and drawing conclusions from data. Topics include exploring data, planning a study, anticipating patterns and statistical inference. The goal of this course is to prepare students for the Advanced Placement Statistics exam in May. A graphing calculator is required. Students may take this concurrently with College Trigonometry or College Calculus.



College Credit Opportunity



Agriculture, Food & Natural Resources



Health Science Technology



Arts, Communications & Information Systems



Fulfills Fine Arts Credit



Engineering, Manufacturing & Technology



Business, Management & Administration



Human Services

Music

Course Offerings:

Concert Band, 1-4
 Symphonic Band, 1-4
 CL Wind Ensemble, 1-4
 Jazz Band, 1-4
 Guitar I & II
 Chorus 1-4

Women's Choir 1-4
 Stage Choir, 1-4
 Jazz History
 Class Piano
 Summer Marching Band
 Select Choir, 1-4



0701-0704 CONCERT BAND, 1 - 4

Prerequisite: successful completion of audition Grade: 9
 Term length: 4 terms Credit: 1/4 each
 Designed for the developing high school musician, the Concert Band performs early high school level repertoire. During the current school year, students will participate in the MSHSL solo and ensemble contest. Students will develop technical proficiency, musical independence, and social maturity. The Concert Band typically attends at least one band festival or contest. The Concert Band usually performs three evening concerts per school year, and attendance at all performing events is required.



0706-0709 SYMPHONIC BAND, 1 - 4

Prerequisite: successful audition Grade: 10
 Course length: 4 terms Credit: 1/4 each
 Designed for the advancing high school musician, the Symphonic Band performs middle level high school repertoire. During the current and previous school year, students will participate in the MSHSL solo and small ensemble contest. Students must demonstrate technical proficiency, musical independence, and social maturity. The Symphonic Band typically attends at least one band festival or contest. The Symphonic Band usually performs three evening concerts per school year, and attendance at all performing events is required.



0725-0728 CL WIND ENSEMBLE, 1-4

Prerequisite: successful completion of audition Grade: 11-12
 Course length: 4 terms Credit: 1/4 each
 Designed for the very advanced high school musician, the Wind Ensemble is the premier performing instrumental group at Chisago Lakes High School. Students must audition and have permission from the director in order to participate in this group. During the current and previous school year, students must earn an excellent or superior rating on a solo or small ensemble at the MSHSL solo & ensemble contest. Students must demonstrate advanced technical proficiency, strong musical independence, and social maturity. Typically, the Wind Ensemble performs advanced high school and early college level repertoire. The Wind Ensemble attends numerous band festivals and contests. The Wind Ensemble usually performs four evening concerts per school year, and attendance at all performing events is required.



0730-0733 JAZZ BAND, 1-4

Prerequisite: successful audition Grade: 11-12
 Course length: 4 terms Credit: 1/4 each
 Designed for the advanced Jazz musician, the stage band is the top jazz ensemble at CLHS. Students must audition for this ensemble. The stage band will attend major jazz festivals and contests and usually performs 3-5 major concerts including the Variety Show during the school year. Attendance at all performing events is required.



0718 SUMMER MARCHING BAND

Prerequisite: approval from director Grade: 9-12
 Course length: June-October Credit: 1/4
 Membership in summer marching band is open to all incoming 9th through 12th grade band and choir students. Skills for street and field show marching will be stressed. The summer marching band season begins once school is out in June, and runs through the beginning of October. The marching band performs at all home football games in the fall. Band members are able to earn course credit and awards based upon active participation. Students may take this course for 1/4 credit or no credit.



0697 JAZZ HISTORY - Hybrid online

Prerequisite: GPA of 2.5 minimum Grade: 10-12
 Course length: 1 term Credit: 1/2
 This course will explore the first 100 years of Jazz music, starting at its roots in the early 19th century. Students will learn to identify different styles of jazz music from early jazz, swing and bebop, to jazz rock and jazz funk fusion. Students who register for this course should have the desire to learn and listen to music, as a large part of this course will be dedicated to listening and understanding different styles of jazz. This class will meet online, with some face-to-face instruction. Students are expected to be in class on the selected meeting dates. PLEASE NOTE: Due to the nature of the class you are expected to be a self-directed learner. [PERSONAL LAPTOPS ARE HIGHLY RECOMMENDED BUT NOT REQUIRED.]



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Music (continued)



0714-0717 SELECT CHOIR, 1-4

Prerequisite: audition Grade: 9-12
Course length: 4 terms Credit: ¼ each
Enrollment in this mixed choir is based on auditions. Every effort will be made to select students with strong musical ability in the areas of intonation, sight-reading, tonal quality, and working attitude. The choir will rehearse and/or perform music from a wide variety of periods, styles, and cultures. Select Choir performs at the Holiday Concert, the Spring Concert, and Graduation. Members of Select Choir are eligible to participate in the All Conference Choir, Region 7AA Large Group Choir Competition, Region 7AA Solo/Ensemble Competition and other festivals and field trips. Private voice lessons are strongly recommended and members should be interested in refining their personal and group vocal skills. All members must accept responsibility for attending all daytime or evening performances and Large Group Competitions.



0735-0738 STAGE CHOIR, 1-4

Prerequisite: audition and must also be enrolled in select choir Grade: 9-12
Course length: 4 terms Credit: ¼ each
Members of select choir may audition for and become members of stage chorus. This is a group of no more than 20 singers which perform jazz and popular music especially arranged for vocal groups. Emphasis is placed on vocal ability and showmanship. Choreography is added when appropriate. The stage chorus sings at all choir concerts, co-hosts the variety show, and sings at various community functions. The group will attend at least one Swing Choir Festival or clinic per year. Members of the stage chorus are required to purchase their own performance attire.



0710-0713 CHORUS, 1-4

Prerequisite: none Grade: 9-12
Course length: 4 terms Credit: ¼ each
Enrollment in this mixed choir is based on auditions. Students with a developing musical ability in the areas of sight reading, tonal quality, intonation and working attitude will be selected. This choir will rehearse and/or perform music from a wide variety of periods, styles and cultures. Along with the Select Choir they will perform at Holiday Concerts, a Spring Concert and Graduation. Members of Chorus will also participate in Region 7AA Large Group Competition and Solo/Ensemble Contest. Private voice lessons are strongly recommended and members should be interested in refining their individual and group vocal skills. All members must accept responsibility for attending all daytime or evening performances and Large Group competitions.



0699 CLASS PIANO

Prerequisite: none Grade: 9-12
Course Length: 1 term Credit: 1/2
This course is group piano instruction for students with little or no previous keyboard experience. The students will learn fundamental keyboard skills as well as basic reading and music fundamentals. We will cover basic playing techniques, musical notation, rhythm and tonal patterns. Class size is limited to 12 students.



0698 GUITAR 1

Prerequisite: Students must provide their own acoustic six string guitar with nylon or steel strings. Grade: 10-12
Course Length: 1 term Credit: 1/2
This is a basic beginning guitar class where students with minimal to no experience will learn how strum chords, learn and name parts of the guitar, tune by pitch matching, read and recognize musical symbols, and will play weekly assignments individually or in small groups. The class will culminate with a recital. There is a class fee for the purchase of books.



0739 GUITAR 2

Prerequisite: Guitar 1 or equivalent guitar experience and instructor approval Grade: 10-12
Course length: 1 term Credit: 1/2
Each week students will track the evolution and performance practices of Rock music through their own performance on the electric guitar. Students must provide their own electric guitar.



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Special Instructions for Music Students

A number of “skinny courses” are available to music students opposite band or choir.
If you want a half block study hall, do not sign up for these courses.

Freshmen

Concert Band or Chorus: Sign up for Online Academy #0747 and Freshmen Seminar Skinny #0251

Sophomores

Symphonic Band: Sign up for Online Academy #0746 and Health Skinny #0912

Chorus: Sign up for Online Academy #0747 and #0750

Select Choir (not signing up for Stage Choir): Sign up for Online Academy #0745 and #0749

Juniors & Seniors

CL Winds (not signing up for Jazz Band): Take Online Academy #0745 and #0749

Chorus: Sign up for Online Academy #0747 & #0750

Select Choir (not signing up for Stage Choir): Take Online Academy #0745 and #0749

Online Academy is an opportunity for students to be able to complete a required or elective class instead of having a study hall. All coursework is done on-line and students will receive credit once the selected class is completed.



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Other Courses



1600-1601 HEALTH CARE 1 & 2

Prerequisite: none
 Course Length: 2 terms
 Students must register and commit to both sections (I & II) of this course. Chisago Lakes High School, in partnership with Pine Technical Community College and Parmly Life Pointes offer this two-term class for students who are considering a medical career (nursing assistant, nurse, physician, physician's assistant, etc.) The course will provide hands-on medically related experiences along with an introduction to medical language to help students make career choices. Students will be eligible to take the Minnesota Nursing Assistant Competency exam. Students are expected to complete 24 hours of clinical work at Parmly Life Pointes during and after school hours. *Concurrent enrollment with Pine Technical Community College 3 credits.



1665 WORK BASED LEARNING

Prerequisite: Two courses within a career pathway - Teacher and counselor approval
 Course length: 1-4 terms
Please register to indicate interest in this class. Registering does not indicate enrollment.
 Students enrolled within the Work Based Learning should have a specific career pathway in mind and want to explore aspects of a potential career by working on a job site. Students will need to complete a minimum of 90 hours on-site per term. Students should speak with the WBL coordinator well in advance in order to have a job placement in their field. Students need to apply for the program on the career pathway website before it can be added to their schedule. Students will leave this course with an OSHA 10 credential. If a student is interested in one of the trades it is recommended they take career exploration.



NEW

1666 CAREER EXPLORATION

Prerequisite: none
 Grade: 11-12
 Career Exploration is designed to support students who are unsure of their career pathway. This course is also designed to support those students who would like to dive deeper and learn more about a career pathway. This course will require students to complete independent study modules, job-related experiences, job shadowing and interviewing adults in various careers. Students will gain an OSHA 10 credential upon completion of this course. Students enrolled within the Work Based Learning should have a specific career pathway in mind and want to explore aspects of a potential career by working on a job site. Students will need to complete a minimum of 90 hours on-site per term. Students should speak with the WBL coordinator well in advance in order to have a job placement in their field. Students need to apply for the program on the career pathway website before it can be added to their schedule. Students will leave this course with an OSHA 10 credential. If a student is interested in one of the trades it is recommended they take career exploration. Tech math provides the practical math skills needed in a wide variety of occupational areas including plumbing, automotive, electrical, construction, machining, HVAC, health, and more. This class uses a practical approach with actual on-the-job applications. This should be a third math credit for students.



1700 ELEMENTARY VOLUNTEER

Prerequisite: see your counselor for eligibility criteria and an application
 Course Length: 1 term
 Students enrolled in this course have the opportunity to volunteer in an elementary school classroom. This is an excellent course for students interested in a career in elementary education, child care or wanting to give back to their community. Student responsibilities are assigned by the classroom teacher. * **Students are responsible for their own transportation to the elementary school.**

0234 FRESHMEN SEMINAR

Prerequisite: none
 Course length: 1 term
 This is a required class for 9th graders and is intended to help students learn more about how their skills, abilities, interests, and values match up with different career clusters. The MN-CIS online career assessment system will be used to keep a 4-year portfolio of this information and be updated annually. Additional units covered include study skills/strategies, post-secondary options, job skills, and character building.



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Physical Education and Health

Course Offerings:

Physical Education 9
Physical Education 10
Health
Recreational Sports and Fitness
Unified Physical Education

Note: *Students must complete 1 term of required physical education in grades 9 and 10.*



0900 PHYSICAL EDUCATION 9

Prerequisite: none
Course length: 1 term
Students will demonstrate knowledge and skill in a variety of activities. Activities include team sports, individual and dual sports, lifetime fitness and recreational activities. Students must successfully complete the swimming unit. Students are required to complete written work in most units. Appropriate dress is required.



0905 PHYSICAL EDUCATION 10

Prerequisite: Phy. Ed. 9
Course length: 1 term
A variety of assessments will be used to determine current fitness levels. Throughout the quarter cardiovascular and strength exercises and a variety of activities will be used to enhance personal fitness levels. At the end of the quarter students will post test and evaluate their results in a written assessment paper.



0904 HEALTH

Prerequisite: none
Term length: 1 term
This course is a required course for 10th grade students. It will enable students to use information to make choices and decisions that will lead to an informed, healthy lifestyle. Topics covered include wellness and decision making, nutrition, body systems, first aid and CPR, mental health, alcohol, drugs and tobacco, STDs, contraceptives, and abstinence.



0913

RECREATIONAL SPORTS AND FITNESS

Prerequisites: Successful completion PE9, PE10, and Health 10
Course Length: 1 term
Grades: 11-12
Credit: ½

This class will focus on the teaching of basic fitness principles (strength, agility, flexibility, endurance) and allow students to participate in recreational sports/activities (Pickleball, Badminton, Volleyball, Basketball, etc.). Pre and Post fitness tests will be given to determine students current fitness level. A workout plan will be created for each student based on the goals they set for themselves. Recreational sports and activities will have an emphasis on teamwork, sportsmanship, content knowledge of the sport, and enhancing skills from previous Phy Ed courses. Students will be able to take the skills and content knowledge they learned from this course and apply it to their life long after high school is over. *This course is not recommended for athletes in season or powerlifting*

NEW

0916

UNIFIED PHYSICAL EDUCATION

Prerequisites: Successful completion PE9, PE10, and Health 10
Course Length: 1 term (skinny)
Grades: 11-12
Credit: ¼

Through Unified Physical Education students will have the unique opportunity for inclusion. The class combines students with and without disabilities in a physical education environment. The class will provide leadership skills as well as teamwork/sportsmanship.



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Science

9th Grade Classes	10th Grade Classes	11th Grade Classes	12th Grade Elective Options
Science 9 or Science 9 Honors	Conceptual Chemistry or Chemistry or Physics	Biology or College Biology	Ag - Science Astronomy College Anat./Phys. College Physics Conceptual Chemistry Chemistry Physics
	Electives: Ag - Science Astronomy	Electives: Ag - Science Astronomy Science Electives	Electives: Agri-Science Electives Science Electives

Required Science Courses:

1 credit of Science 9
1 credit of Chemistry, Conceptual Chemistry, or Physics
1 credit of Biology

Science Electives:

College Anatomy and Physiology
Astronomy
Conceptual Chemistry

Physics
College Physics
Principles of Engineering (PLTW) 1 & 2
College Biology



NCAA

1056 / 1058 SCIENCE 9, 1 & 2

Prerequisite: none
Course length: 2 terms
Grade: 9
Credit: ½ each

Why do astronauts float when in space? Not because there's no gravity! Are black and white colors? Why is sand on the beach hot compared to the water in the afternoon, but cold compared to the water at night? Why do you bend your knees when landing from a jump? In 9th grade science you will learn concepts that explain how things you experience everyday work. More importantly, you will learn how to do science. Science is a process, a method for solving problems. Physics is the most basic of all the sciences so physics will be the main focus of this class. With this as a foundation, you will be better prepared for success in the other areas of science you will study.



NCAA

1066 / 1068 SCIENCE 9 HONORS, 1 & 2

**** DO NOT SIGN UP FOR THIS CLASS****

Students will be selected based upon data collection and instructor/administrative placement.
Grade 9

Course length: 2 terms
Credits: ½ each

This rigorous course is designed for highly motivated students who choose to pursue an accelerated and academically challenging, in-depth study of physical science. Students must be self-motivated learners with outstanding reading, writing and math skills. An in-depth math based consideration of concepts will take place. In Science 9 Honors, you will learn concepts that explain how things you experience everyday work. More importantly, you will learn how to do science. Science is a process, a method for solving problems. Physics is the branch of science that is the most basic. Physics will be the focus of this class. With this as a foundation, you will be better prepared for success in the other areas of science you will study.



NCAA

1040 / 1041 CHEMISTRY, 1 & 2

Prerequisite: Successful completion of Science 9 and completion of Intermediate Algebra
Grade: 10
Course length: 2 terms
Credit: ½ each
Chemistry is a course which encourages understanding of the properties of matter, interactions of matter and energy, atomic theory, periodicity, chemical bonding, chemical reactions and the historical significance of major scientific advances. The course lays the foundation for the future study of biology. This course is designed for students who are highly motivated, have a strong interest in science, are proficient in algebra, and wish to challenge themselves with an enriched science course in their sophomore year



NCAA

1042-1043

CONCEPTUAL CHEMISTRY, 1 & 2

Prerequisite: none
Grade: 10
Course length: 2 terms
Credit: ½ each
Conceptual Chemistry is an introductory course which encourages the understanding of the properties of matter, interactions of matter and energy, atomic theory, periodicity, chemical bonding, chemical reactions and the historical significance of major scientific advances. The course lays the foundation for the future study of biology. This course is designed to meet the needs of those students who may be considering post-secondary education, but whose interests generally lie in the social sciences and humanities. Students enrolled in this course are exposed to traditional chemistry topics with an emphasis on the application of the concepts with less of a mathematical approach. If a student anticipates pursuing a pathway in the science field in college or is planning to take college level science classes while attending high school, s/he should enroll into Chemistry 1&2, 1040/1041.



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Science (continued)



1003-1004 BIOLOGY, 1 & 2

Prerequisite: none
Grade: 11
Course length: 2 terms each
Credit: ½

Students will learn the steps of the scientific method through studies of lab data and laboratory assessment. Students will research and present information on a historical aspect of biology or present a biological account of a scientist. This course covers a wide variety of topics including the study of life, organic chemistry, the cell, respiration, photosynthesis, mitosis, meiosis, heredity, genetic engineering, evolution, animal behavior, and ecology. Instruction will include the use of lectures, homework, readings, labs and projects.



1007 / 1009 COLLEGE BIOLOGY, 1 & 2

Prerequisite: Successful completion of Chemistry or Honors Chemistry. Accuplacer
Grade: 11-12
Course length: 2 terms
Credit: ½ each

This is a time and work intensive two term course. During this introduction to the field of biology students will focus on learning the unifying principles of biology through the discussion of various biological concepts and biological theories. Throughout the course students will apply the scientific method to the study of life. Topics covered during this course will include; life's chemical basis; cell theory; cellular structure, function, metabolism, and reproduction; genetics and inheritance; evolution, and an introduction to community and ecosystem ecology. Lab includes conducting, interpreting, and communicating results of lab exercises and experiments. Concurrent enrollment with Lake Superior College. This course mirrors General Biology I at Lake Superior College. Students earning a satisfactory grade will receive college credit.



1016 / 1018 PHYSICS, 1 & 2

Prerequisite: none
Grade: 10-12
Course length: 2 terms
Credit: ½ each

How do airplanes fly? Why are sunsets red? What is static cling? Physics is a class for anyone interested in a general understanding of the natural events that happen around us every day. These concepts will be covered WITHOUT diving into the rigorous mathematical side of Physics. Topics covered include motion, forces, energy, sound, light, and electricity. Learning takes place through a variety of activities including demonstrations, lectures, discussions, experimentation and projects. Be more in the know...take physics..



1020 / 1022 COLLEGE PHYSICS 1 & 2

Prerequisite: College Algebra is recommended
Grade: 11-12
Course length: 2 terms
Credit: ½ each

This is a rigorous time intensive two-term course!
How do airplanes fly? Why are sunsets red? College physics is a class for anyone interested in a complete understanding of the natural events that happen around us everyday, including the rigorous mathematical approach to physics problem solving. Topics covered include motion, forces, energy, fluids and thermodynamics. Learning takes place through a variety of activities including demonstrations, group work, experimentation, and discussion. Concurrent enrollment with Lake Superior College 5 credits. Students earning a satisfactory grade will receive college credit.



1028-1029 COLLEGE ANATOMY & PHYSIOLOGY, 1 & 2

Prerequisite: B or higher in Biology or passing College Biology, and meeting concurrent enrollment requirements
Successful completion or concurrent enrollment in Chemistry is *recommended*
Grade: 11-12
Course length: 2 terms
Credit: ½ each

If you are considering a career in the medical field, or just interested in how the human body works, this course is for you! Anatomy and Physiology is a **college course** that will explore how the human body systems work to maintain homeostasis. We will study cell biology, body organization, tissues, the integumentary system, the skeletal system, the muscular system and the nervous system. Students are expected to explain how structure is related to the function of each system. We will also investigate the impact of multiple diseases on each body system that we cover. Class will consist of lectures, discussions, case studies, videos and lab work. Students will be assessed using homework, quizzes, labs and tests. Concurrent enrollment with Lake Superior College. This course mirrors the Cell Biology and Anatomy and Physiology I at Lake Superior College. Students earning a satisfactory grade will receive 5 college c.



1036 ASTRONOMY-Exploring the Universe

Prerequisite: Completion of Science 9
Grade: 10-12
Course length: 1 term
Credit: 1/2

This class is for highly-motivated students who are willing to take their learning experiences above and beyond the classroom setting. To understand their universe, students must understand how basic physical processes determine the largest and the smallest details of the cosmos. Some topics focused on in the class include: the origin of astronomy, cycles of objects in the sky, star classification and characteristics, and stellar evolution. Among the requirements, students will need a strong mathematics background, and will need to attend night time observation sessions, and complete labs and activities -- at home and online -- throughout the term.



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Social Studies

Course Offerings:

Grade 9

- *Human Geography
- *US Government

Grade 10

- *US History 1 & 2 or
- *AP US History 1 & 2

*Required course

One credit of social studies must be completed each year.

Electives:

College Sociology
College Psychology 1&2
College Social Problems
War in History, Literature & Film
Comparative American Cultures

Women's History
Psychology
Women's History
Scandinavian Studies
World War 20th Century



NCAA

1108 US GOVERNMENT

Prerequisite: none
Course length: 1 term

Grade: 9
Credit: ½

US Government examines the traditions behind democracy, as well as the structure and operation of our federal, state and local governments. The course also looks at the citizen's role and responsibilities in government and society.



NCAA

1163 HUMAN GEOGRAPHY

Prerequisite: none
Course length: 1 term

Grade: 9
Credit: ½

Students will employ geospatial skills to compare and contrast places and regions and examine human systems and their relationships to the environment. Coursework will focus on themes such as basics of geography, population, culture, and politics geopolitics, economic development, urbanization, natural resources.



NCAA

1160 US HISTORY I

Prerequisite: none
Course length: 1 term

Grade: 10
Credit: ½

This course will examine the history of the United States from its origins through the first half of the 19th century. Topics covered include the American Revolution, Western Expansion, and the Civil War.



NCAA

1161 US HISTORY II

Prerequisite: US History I
Course length: 1 term

Grade: 10
Credit: ½

This course will examine the history of the United States during the late 19th century and the first part of the 20th century. Topics covered include the Industrial Revolution and Immigration, The Progressive Era, World War I, and the Great Depression.



NCAA



1167 / 1169 AP US HISTORY I & II

Prerequisite: none

Grade: 10

Course length: 4 terms

Credit: 1/4 each

Advanced Placement U.S. History is a time intensive and rigorous full year, two-semester course designed as an equivalent of an introductory college U.S. History course. Students should be prepared to commit considerable time and effort developing their reading, writing, and analytical skills. At the end of this course students may elect to take the A.P. History exam for an opportunity to receive college credit. This course is to be registered concurrently with AP Language. ****This is a full year, two-semester course and students earn a full credit.



NCAA

1110 / 1112 WORLD HISTORY 1 & 2

Prerequisite: none

Grade: 11

Course length: 1 term each

Credit: ½ each

World History will cover the history of Western Civilization and civilizations in Asia and Africa. Some of the topics that will be covered include: Ancient Greece and Rome, Mesopotamian civilizations, Ancient Egypt, and Ancient China and India. Other topics include the Middle Ages, the Renaissance, the Ottoman Empire, the Age of Revolutions and an introduction to the world wars of the 20th century.



NCAA

1135-1136 WORLD HISTORY HONORS 1 & 2

Prerequisite: none

Grade: 11

Course length: 1 term each

Credit: ½ each

This class will be geared towards advanced learners who have the desire to dig in and experience their learning at a deeper level and detail. Students should be interested in exploring the history of the world and their place in it. Students should be prepared to commit considerable time outside of class and effort developing their reading, writing, and historical analysis skills.



NCAA

1118 ECONOMICS

Prerequisite: none

Grade: 12

Course length: 1 term

Credit: ½

Students will complete a one term study of the principles, concepts and applications of general economic systems. Major themes of study will include basics of economic principles, microeconomics, macroeconomics and international economics. In addition students will understand how households, business and government interact with one another in the economic cycle.



NCAA

1130 WAR IN HISTORY, LITERATURE AND FILM

Prerequisite: none

Grade: 11-12

Course length: 1 term

Credit: ½

Students may take this course as an elective in either English or Social Studies. This course will focus on several wars through history (nonfiction), literature (novels) and film. We will study the effect of the media, both news and feature films, on the public's perception of war. This course will also include the reading of several novels and short works of fiction.



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Social Studies (continued)



NCAA

1102 PSYCHOLOGY

Prerequisite: none
 Course length: 1 term
 Grade: 11-12
 Credit: ½
 Psychology is the science concerned with behavior and mental processes. Psychology deals with environmental, biological, social and individual forces that help to describe, explain, predict, and control behavior. This course presents a broad survey of basic concepts, issues, theories, classic experiments, and new discoveries in the field of psychology.



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1104-1105 COLLEGE PSYCHOLOGY, 1 & 2

Prerequisite: meeting concurrent enrollment requirements
 Course length: 2 terms
 Grade: 11-12
 Credit: 1 credit

Concurrent Enrollment w/Lake Superior College 3 credits.
 This course is a college level Introduction to Psychology course. Students earning a satisfactory grade in this course will receive college credit. This course is a comprehensive introduction to psychology. The course examines the history of psychology, the brain, the senses, hypnosis, sleep, child and adult development, language, thinking (including critical thinking) and learning, motivation, emotion, social psychology, personality, human diversity, conflict and the diagnosis and treatment of emotional problems such as anxiety, schizophrenia and depression.



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1122 WORLD WARS OF THE 20TH CENTURY

Prerequisite: none
 Course length: 1 term
 Grade: 11-12
 Credit: ½
 This course will cover the two great military conflicts of the 20th Century, World War I and World War II. The coverage of World War I will focus on the causes of the war, new technology, trench warfare, key battles, and the failure of the Treaty of Versailles. Coverage of World War II will include the rise of totalitarian governments, military actions in Europe and the Pacific, important leaders (civilian and military), and effects of the war.



NCAA



1124 COLLEGE SOCIAL PROBLEMS

Prerequisite: College level reading and writing
 Course length: 1 term
 Grade: 11-12
 Credit: ½
 This course uses the topic of social problems to teach sociological concepts and processes coupled with civic responsibility. It examines a range of social problems and the diverse views of the common good that affect our perceptions of these problems. It encourages students to understand their own and others' positions and to define social justice in light of these positions.

NCAA



1155 SCANDINAVIAN STUDIES

Prerequisite: none
 Course length: 1 term
 Grade: 11-12
 Credit: ½
 Have you ever wondered why Lindström has a Swedish coffee pot for a water tower? Who are Karl Oskar & Kristina anyway? And, who is that guy with the bike on that statue in Chisago? This course will answer these questions and many more as we examine the historic region of Scandinavia in Northern Europe, primarily focusing on Sweden. This course will tie in local history as well to explore the profound connection between Scandinavia and the Chisago Lakes Area. Themes explored will include Scandinavian Immigration to the United States, Scandinavian culture of past and present.



NCAA

1131 COMPARATIVE AMERICAN CULTURES

Prerequisite: Human Geography
 Course length: 1 term
 Grade: 10-12
 Credit: ½
 Course Description: Comparative American Cultures is the critical and interdisciplinary study of race, ethnicity, and indigeneity with a focus on the experiences and perspectives of people within the United States. The main emphasis of this course is to explore African, Asian, Hispanic and Native Americans historical roles in the United States/Minnesota. By examining the minority experience and exploring our own personal narratives, this will enable the Chisago Lakes student a greater ability to understand other people from different backgrounds and experiences.



NCAA



1100 COLLEGE SOCIOLOGY

Prerequisite: meeting concurrent enrollment requirements
 Course length: 1 term
 Grade: 11-12
 Credit: ½
 Concurrent Enrollment w/Lake Superior College 3 credits.
 This is an introduction to the scientific study of human behavior in groups and the social forces that shape society. Special attention is given to the application of sociological ideas and analysis. Topics include methods of research, major sociological theory, culture, socialization, group dynamics and interaction, deviance, social stratification, and social institutions such as the family.

NCAA

1129 WOMEN'S HISTORY

Prerequisite: none
 Course length: 1 term
 Grade: 11-12
 Credit: ½
 The dictionary defines feminism as "The Advocacy of Women's Rights on the Basis of the Equality of the Sexes." Women's History explores the four waves of the feminist movement in United States History. From the fight for suffrage, legal battles to give women equal rights under the law and the current movement, students will learn the history behind the movement and the positives and negatives that it has had for society.



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Special Services Programming

Individualized Courses (assigned by a case manager)

All students registering for these courses must be on an Individualized Education Plan (IEP). Appropriate placement is determined by the IEP team. See your case manager for questions about appropriate placement.

Course Offerings:

Foundational Math	Language Arts-Fusion
Pre-Algebra	Employment Skills Seminar
Algebra	Advanced Employment Skills Sem.
Consumer Math	Personal Enrichment/Study Skills
Language Arts	Social Skills

1405-1408 FOUNDATIONAL MATH

Prerequisite: none Grade: 9-12

Course length: 4 terms

This course uses the AGS Concepts curriculum and is geared toward students needing to strengthen their basic math skills. Concepts give students the basic math concepts they will need throughout life. The curriculum includes but is not limited to the understanding of arithmetic operations, the introduction of algebraic concepts, and problem-solving and estimation.

1409-1412 PRE-ALGEBRA

Prerequisite: none Grade: 9-12

Course length: 4 terms

This course is designed to help students improve their pre-algebra math skills. We will be using a combination of the AGS math curriculum along with supplemental test prep materials. This course will also give a basic introduction to topics such as Geometry & logical thinking skills.

1413-1416 ALGEBRA

Prerequisite: none Grade: 9-12

Course length: 4 terms

This course introduces students to key concepts and theories that provide a foundation for further study in mathematics (Geometry, Algebra II, and beyond) and increases students' mathematical literacy, problem-solving, and critical thinking skills. The problem solving and critical thinking skills that students learn in Algebra are valuable tools that can be taken to and applied in other disciplines.

1401-1404 CONSUMER MATH

Prerequisite: none Grade: 12

Course length: 4 terms

Consumer Mathematics is geared toward Seniors who could benefit from instruction on basic math skills needed for everyday living. The content includes but is not limited to paying taxes, buying food, banking and investing, and managing a household. Course objectives are to help students and young adults become wiser, more informed consumers.

1450-1453 LANGUAGE ARTS

Prerequisite: none Grade: 9-12

Course length: 4 terms

The Language! classes are a comprehensive look at literacy that works with word-level skills and comprehension skills, including phonemic awareness and phonics, word recognition and spelling, vocabulary and morphology, grammar and usage, listening and reading comprehension, and speaking and writing. Students are placed based on a placement test given in the Fall of the previous year.

1462-1465 LANGUAGE ARTS-FUSION

Prerequisite: none Grade: 11-12

Course length: 4 terms

This course is designed to improve the reading skills of struggling readers. Lesson and activities embed strategies to increase comprehension include vocabulary breakdown, prediction, Thieves and Summarization. Students will improve their ability to technically read through infused activities and projects.

1557-1558 EMPLOYMENT SKILLS SEMINAR

Prerequisite: none Grade: 11-12

Course length: 1 semester

This course is designed to begin developing job searching and seeking skills. Course objectives are to support students in the beginning stages of investigating their post-high school career/educational goals. Lesson and activities may include but not limited to exploring a career interest, completing a career inventory, and utilizing technology in the areas of employment.



College Credit Opportunity



Agriculture, Food & Natural Resources



Health Science Technology



Arts, Communications & Information Systems



Fulfills Fine Arts Credit



Engineering, Manufacturing & Technology

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Business, Management & Administration



Human Services

Special Services

Programming (continued)

1561-1562 ADVANCED EMPLOYMENT SKILLS SEMINAR

Prerequisite: none Grade: 12

Course length: 2 terms (2nd semester)

This course is designed to acquire the skills necessary to apply for and obtain a job. Course objectives are to examine personal interests and establish future goals based on interests. Students will develop and understanding the meaning of taxes and understand and complete basic employment forms.

1438-1441 PERSONAL ENRICHMENT/ STUDY SKILLS

Prerequisite: none Grade: 9-12

Course length: 4 terms

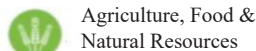
The content in this course includes but is not limited to developing strategies to improve the social, emotional, and academic outcomes of students with a disability. Lesson and activities may include skills in communicating, advocating for self, decision making, problem-solving, managing one's emotions, healthy relationships, homework completion and test-taking strategies, and other life skills. This is a daily two-part course. Each part is 40 minutes long. The outcomes vary based on IEP goals and objectives and making progress through the classwide level system.

1446-1449 SOCIAL SKILLS

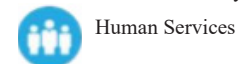
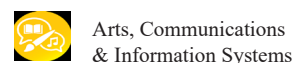
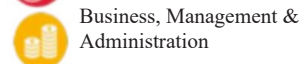
Prerequisite: none Grade: 9-12

Course length: 4 terms

The content in this course includes but is not limited to developing strategies to improve the social outcomes of students with a disability. Lesson and activities may include skills in communicating, problem-solving, self-advocacy, working with others, and managing one's emotions. Students will develop these skills through discussions, role play, social games, self-reflection, and classroom participation. The outcomes vary based on IEP goals and objectives.



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Technology Education

“Through hands on, activity based courses; develop every student’s problem solving skills, their ability to work independently or in team like environments, and increase their level of career and technological literacy that enables them to become productive members of an ever-changing society.”

Course Offerings:

COMPUTER DRAFTING TECH

Intro to Computer Aided Drafting
Architectural Drafting I, 1 & 2
Architectural Drafting II, 1 & 2 (not offered 2023-2024)

WOOD SHOP

Adv. Woodworking 1 & 2
Construction Technology
Woodworking

METALS

Metals I
Metals II
Metals III

AUTO SHOP

Autos for Girls
Auto Mechanic Services I
Auto Mechanic Services II

TECHNOLOGY

Small Engine Repair
Manufacturing
How to Make Almost Anything

PROJECT LEAD THE WAY (PLTW) - see Engineering section for course descriptions

Introduction to Engineering Design
Principles of Engineering
Engineering Capstone
Computer Integrated Manufacturing



0400 INTRO TO COMPUTER AIDED DRAFTING

Prerequisite: none Grade: 9-12
Course length: 1 term Credit: ½
Students in this course will be introduced to the world of drafting. Students will receive instruction in Sketching and the use of the CAD programs Autodesk Inventor and Revit. Students will learn basic technical sketching and drafting techniques and standards. Through this process students will learn the steps necessary to design, sketch, and create appropriate 3d models and 2d drawings needed to construct a simple wood or metal project. Students will complete a project that will be produced on our 3d Printer. Students will also complete a unit in Architectural Drafting Autodesk Revit.



0402 / 0404 ARCHITECTURAL DRAFTING I, 1 & 2

Prerequisite: Intro to Computer Aided Drafting or Intro to Engineering Design Grade: 10-12
Course length: 2 terms Credit: ½ each
Students will learn the process of creating a set of blueprints using CAD. They will be building on the skills learned in Intro to AutoCAD and applying them to the area of architecture. Students will also be introduced to plotting to scale and the use of larger format printing. Students in this course will complete a set of construction drawings for a single-family residence from the design phase to presentation drawings. Students will use math to solve problems such as room, window, and floor areas, roof and beam loads, etc.



0406 / 0408 ARCHITECTURAL DRAFTING II, 1 & 2

Prerequisite: completion of Architectural Drafting I, 1 & 2 with a grade of B or higher Grade: 10-12
Course length: 2 terms Credit: ½ each
Students in this course will complete a set of construction drawings for a multi-family residence from the design phase to presentation drawings. Students will demonstrate knowledge of CAD in both the design and creation of working drawings. Students will understand and apply the theory, symbols and equipment of the world’s universal language of drafting. Students will also construct a presentation model of their design.



0410 WOODWORKING

Prerequisite: none Grade: 9-12
Course length: 1 term Credit: ½
Students in this class will use both hand & power tools to complete individual wood projects. Emphasis will be placed upon wood joints, finishing techniques, and project construction. Safety and good work habits will be stressed. This is an introductory course for the student who wants to create projects made of wood. ****Shop fees apply****



0413-0414 ADVANCED WOODWORKING 1 & 2



Prerequisite: Woodworking & Intro. to Computer Aided Drafting or Intro to Engineering Design Grade: 10-12
Course length: 2 terms Credit: ½ each
The student will research, develop, and create a new product to demonstrate an understanding of needs, analysis, specific materials or technologies, material processing or design techniques, or by both. In Advanced Woodworking 1, the student will learn about technologies, research and develop a set of plans for a wood project to be built in Advanced Woodworking 2. **Students meeting criteria will receive 3 credits from Lake Superior College. **Shop Fees Apply****



0417 MANUFACTURING

Prerequisite: Woodworking Grade: 11-12
Course length: 1 term Credit: ½
Innovators! If you like building things, can follow detailed instructions or are good at organizing people and processes, then manufacturing may be a good fit. In this class you and your team will research, design, fabricate, promote and market a Wildcat Original product. Discover topics such as forecasting, inventory control, job sequencing, online marketing and lean manufacturing in a dynamic “hands on” environment.



0416 CONSTRUCTION TECHNOLOGY

Prerequisite: none Grade: 10-12
Course length: 1 term Credit: ½
This is an introductory course that will explore basic residential construction methods. Students will then use this knowledge to construct simulated or actual building projects.



College Credit Opportunity



Agriculture, Food & Natural Resources



Health Science Technology



Arts, Communications & Information Systems



Fulfills Fine Arts Credit



Engineering, Manufacturing & Technology



Business, Management & Administration



Human Services

Technology Ed. (continued)



0422 METALS I

Prerequisite: none
 Course length: 1 term
 This course is an introduction to basic metal working with emphasis on skill development through the making of projects using welding, machining, and other fabrication processes.
****Shop fees apply****

Grade: 10-12
 Credit: ½



0423 METALS II

Prerequisite: Metals I & Intro Comp. Aided Drftg. or Intro to Engineering Design
 Course length: 1 term
 Students in Metals II will refine basic metal skills and learn to weld aluminum, stainless, and other metals in all positions. Researching, developing, and testing a new product constructed by the student will gain practical experience. Other practical skills pertaining to metals will also be covered.
****Shop fees apply****

Grade: 10-12
 Credit: ½



0424 METALS III

Prerequisite: Metals II
 Course length: 1 term
 Students in Metals III will construct their designed Metals II project. Students will also have the opportunity to be introduced to the CNC machine and robotic technology.
****Shop fees apply****

Grade: 11-12
 Credit: ½



0425 AUTOS FOR GIRLS

Prerequisite: none
 Course length: 1 term
 The automotive classroom has previously been male dominated, which need not be the case due to the fact that there are just as many female drivers at Chisago Lakes High School as male. This hands-on course is designed to create an environment where students have the equal opportunity to actively work on vehicles in a lab setting. Students will learn how to change a flat tire and check and change oil, fuses, and many more general maintenance tasks. This course is great for students/new drivers with a desire to learn more about their own vehicles. In addition, students will learn simple ways to save money by properly and safely maintaining a vehicle.
****There will be a \$5 lab fee.****

Grade: 11-12
 Credit: ½



0409 HOW TO MAKE ALMOST ANYTHING

Prerequisite: none
 Course length: 1 term
 This is a hands-on course in which you will learn the digital Design and Fabrication Process. This includes learning and using 2-d and 3-d design software, a variety of machines (vinyl cutters, large scale printers, mini mills, 3d printers, CNC machines and dye sublimation process). Students will complete activities with all of the machine processes, creating and producing self designed products.

Grade: 9-12
 Credit: ½



College Credit Opportunity



Agriculture, Food & Natural Resources



Health Science Technology



Arts, Communications & Information Systems



Fulfills Fine Arts Credit



Engineering, Manufacturing & Technology



Business, Management & Administration



Human Services



0426 / 0428

AUTO MECHANIC SERVICES I, 1&2

Prerequisite: none
 Course length: 2 terms
 This is a course for male and female students who drive. Students will read and apply informative technical material about basic automotive systems from text and other sources. First term covers general shop safety, tools, lubrication, tires, wheels, cooling systems, and other simple adjustments. Time is split with 2/3 being hands on shop applications and practical experiences. The other 1/3 will be classroom discussion, demonstration, and reading. Term 2 students go beyond general car care and general service including purchasing/finance an automobile. Students will be exposed to areas such as: ignition systems, charging systems, electrical systems, and brake systems.
****There will be a \$5 lab fee.****

Grade: 11-12
 Credit: ½ each



0430-0431

AUTO MECHANIC SERVICES II, 1 & 2

Prerequisite: both terms of Autos I completed with a "B" or higher along with GOOD attendance and work ethic
 Course length: 2 terms
 This is for students who are interested in Automotive Service Repair or related areas as a career or vocation. Class time will be split, with 10%-20% of the time reading text, manuals, and materials. Students will have 70%-80% hands-on lab time to better understand and apply the technical information being taught. Students will be working on vehicles on behalf of our Ford AAA Student Organization. This includes working on personal, staff, and donated vehicles. Grades are based on productivity skill level and ASE type competency tests in areas of Automotive Service Technology. Students can earn 2 college credits for Century College Automotive Service Technology program upon application and completion of the course with a grade of B or higher.
Students meeting criteria will receive 3 credits from Pine Technical & Community College.
****There will be a \$5 lab fee.****

Grade: 12

Credit: ½ each



0446 SMALL ENGINE REPAIR

Prerequisite: none
 Course length: 1 term
 This course will introduce students to the basic principles behind the operation, maintenance and repair of Small Gas Engines. Students will gain a basic understanding of engine fundamentals and service procedure. Information on the following areas will be given: 4 stroke cycle and 2 stroke cycle theory, small engine construction, operation, lubrication maintenance, troubleshooting, service, rebuilding and repair. Students will learn shop safety practices, how to follow procedures from a shop manual and proper use of tools to disassemble, inspect and reassemble a small gas engine.
****Shop fees apply****

Grade: 9-12

Credit: ½