

BUFFALO HIGH SCHOOL

The place to *dream, believe and achieve*

This Registration Handbook has been prepared by BHS staff to assist you in selecting classes for next year. Our District motto is that we are “The place to dream, believe and achieve.” Keep this in mind as you begin the registration process. Each student is unique and their schedule should reflect their interests and future needs.

Dream

What do you want to do following graduation? The options are endless – enter the workforce, gain a technical skill, continue your education, travel the world, enter the military, raise a family

Do you want to pursue sports, acting, or musical endeavors?

Is there a field of interest that you want to explore?

Believe

BHS offers a wide variety of classes to help prepare you for whatever you choose to do.

We believe that you can do whatever you want, and we want to help you reach your goals!

Achieve

Discuss your plans with parents, teachers, and/or counselors, as they can provide valuable insight.

Consult the information on the next few pages to make sure the classes you are choosing meet the criteria needed for your future plans.

- Classes taken meet requirements for post-secondary education or athletic eligibility.
- College in the Schools classes provide the rigor you will encounter in future educational pursuits and allow you to earn free college credit. We partner with 7 Colleges to offer 35 Courses and up to 120 credits for you to earn.
- Career and Technical Education (CTE) classes enable you to gain necessary skills now.

Tips On Selecting Courses:

- Carefully review the graduation requirements for your graduation year.
- When selecting courses, consider the following:
 - 4-year course plans and needed requirements
 - Post-secondary plans – courses that prepare you and open doors
 - Potential career interests
 - Course pre-requisites and a balance of courses of interest and courses that will stretch you.

We are excited to go through this process with you. Reach out to your counselor with any questions as you complete the registration process!

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Navigating the Guide:

- All students must meet their Buffalo High School Graduation Requirements, for their graduation year, found in the front of the guide.
- Students interested in earning college credit, while in high school can find this information in the AP, CIS, and PSEO sections.
- Any student-athlete who may want to participate in NCAA athletics in college at the Division I or II levels should review the NCAA Eligibility section.
- All courses are listed by their department – please review grade level, term length, and prerequisites for each course.
- Courses that align with certain career clusters are indicated by a corresponding icon – please see the section on “Exploring Future Careers” for more information.
- An icon system is used to help student know how each course may help them with any of the above information.

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Course Icon Guide

	Advanced Placement College Credit Opportunity		College in Schools College Credit Opportunity
	NCAA Approved		Fulfills The Arts Credit
	Agriculture, Food, & Natural Resources		Health Science Technology
	Arts, Communication & Information Systems		Human Services
	Engineering, Manufacturing & Technology		Business, Management, & Administration

Choose courses carefully – This guide lists classes that may be offered at BHS. What courses we offer is determined by a number of factors, with student interest as the most important factor when determining how to offer a course. Decision regarding staffing and scheduling are made based on these course requests. Therefore, it is important that courses and alternatives are chosen carefully.

Class of 2025 Graduation Requirements

BHS REQUIRES 29 CREDITS FOR GRADUATION

PROGRAM	CREDITS	BHS REQUIREMENTS
English	1 credit	English 9
	1 credit	English 10
	2 credits	Student Choice
Math	3 credits *Sequence depends on student performance & ability. Must include 1 credit of Algebra 2.	Intermediate Algebra
		Geometry
		Algebra 2
Science	1 credit	Science 9
	1 credit	Biology
	1 credit	Chemistry or Physics
Social Studies	1 credit	American Government
	1 credit	American History
	1 credit	World History
	½ credit	Economics
The Arts	1 credit	ALL Art & Music Courses Acting Digital & Graphic Design Intro to Digital Photography/Video
Physical Education	1 credit	PE 9
	½ credit	PE 10 or PE 10 Hybrid
Health	½ credit	Health 10
Remaining Course Credits	12 ½ credits	Chosen Courses
TOTAL	29 credits	

Class of 2026 Graduation Requirements

BHS REQUIRES 28 CREDITS FOR GRADUATION

PROGRAM	CREDITS	BHS REQUIREMENTS
English	1 credit	English 9
	1 credit	English 10
	1 credit	English Literature & Composition or CIS Intro to Literature
	1 credit	Student Choice
Math	3 credits *Sequence depends on student performance & ability. Must include 1 credit of Algebra 2.	Intermediate Algebra
		Geometry
		Algebra 2
Science	1 credit	Science 9
	1 credit	Biology
	1 credit	Chemistry or Physics
Social Studies	1 credit	American Government
	1 credit	U.S. History
	1 credit	World History
	½ credit	Economics
The Arts	1 credit	ALL Art & Music Courses Acting Digital & Graphic Design Intro to Digital Photography/Video
Physical Education	1 credit	PE 9
	½ credit	PE 10 or PE 10 Hybrid
Health	½ credit	Health 10
Remaining Course Credits	11 ½ credits	Chosen Courses
TOTAL	28 credits	

Class of 2027 Graduation Requirements

BHS REQUIRES 27½ CREDITS FOR GRADUATION

PROGRAM	CREDITS	BHS REQUIREMENTS
English	1 credit	English 9
	1 credit	English 10
	1 credit	English Literature & Composition or CIS Intro to Literature
	1 credit	Student Choice
Math	3 credits *Sequence depends on student performance & ability. Must include 1 credit of Algebra 2.	Intermediate Algebra
		Geometry
		Algebra 2
Science	1 credit	Science 9
	1 credit	Biology
	1 credit	Chemistry or Physics
Social Studies	1 credit	Government & Citizenship
	1 credit	U.S. History
	1 credit	World History
	½ credit	Economics
Business	½ credit	Personal Finance
The Arts	1 credit	ALL Art & Music Courses Acting Digital & Graphic Design Intro to Digital Photography/Video
Physical Education	½ credit	PE 9
	½ credit	PE 10 or PE 10 Hybrid
Health	½ credit	Health 10
Remaining Course Credits	11 credits	Chosen Courses
TOTAL	27 ½ credits	

Class of 2028 Graduation Requirements

BHS REQUIRES 27½ CREDITS FOR GRADUATION

PROGRAM	CREDITS	BHS REQUIREMENTS
English	1 credit	English 9
	1 credit	English 10
	1 credit	English Literature & Composition or CIS Intro to Literature
	1 credit	Student Choice
Math	3 credits *Sequence depends on student performance & ability. Must include 1 credit of Algebra 2.	Intermediate Algebra
		Geometry
		Algebra 2
Science	1 credit	Earth Science
	1 credit	Biology
	1 credit	Chemistry or Physics
Social Studies	½ credit	Human Geography
	1 credit	U.S. History
	1 credit	World History
	½ credit	Economics
	½ credit	Government & Citizenship
Business	½ credit	Personal Finance
The Arts	1 credit	ALL Art & Music Courses Acting Digital & Graphic Design Intro to Digital Photography/Video
Physical Education	½ credit	PE 9
	½ credit	PE 10 or PE 10 Hybrid
Health	½ credit	Health 10
Remaining Course Credits	11 credits	Chosen Courses
TOTAL	27 ½ credits	

GRADE 9 COURSE OPTIONS

All **BOLD** courses have a prerequisite course that must be fulfilled.

AGRICULTURE

Intro to Agriculture
Animal Science
Companion Animal Science
Horse Science & Management
CIS Landscaping/Landscaping

ART

Art Foundations
Drawing 1
Painting 1
Ceramics & Sculpture 1

AVID

AVID 9 Elective – 2 trimesters
AVID Extension

BUSINESS & COMPUTER TECH

Intro to Business
College & Career Exploration
Computer Applications
Digital & Graphic Design

ENGLISH

Acting
English Grammar and Usage
Journalism – 2 trimesters

FCS

Fundamentals of Food Preparation
Culinary Foods
Baking & Pastry
Human Develop: Prenatal-Toddler
Child Develop: Pre-K-Teen
Textile Design

MATH

Intro to Computer Programming

MUSIC

Repertory Band – 3 trimesters
Repertory Orchestra – 3 trimesters
Tenor Bass Repertory Choir – 3 trimesters
Soprano Alto Repertory Choir – 3 trimesters
Guitar
Music Production

PHYSICAL EDUCATION

9/10 Competitive Team Sports
Strength & Conditioning 1
Strength & Conditioning 2
Net Games 1

SOCIAL STUDIES

Current Events
Minnesota History
World Religions
History Through Film

TECHNOLOGY

Energy, Power & Transportation
Automotive Engineering and Design
Intro to CAD (Computer Aided Drafting)
Technology Exploration
Electricity/Electronics
Wood Technology
Robotics
Robotics 2
Intro to Welding
Sheet Metal Fabrication

WORLD LANGUAGES

Intro to World Languages
French 1- 2 trimesters
French 2 – 2 trimesters
German 1 – 2 trimesters
German 2 – 2 trimesters
Spanish 1 – 2 trimesters
Spanish 2 – 2 trimesters

COLLEGE ADMISSION RECOMMENDATIONS

In addition to your high school graduation requirements, students planning to attend a Technical, Community, or 4-Year College may need to complete additional coursework to be considered for admission. The table below summarizes these general requirements.

<i>*1 credit=2 trimesters*</i>	2-Year Community or Technical College	Traditional 4-Year College	Selective 4-Year College
Examples:	<i>North Hennepin Comm., St. Cloud Tech., Ridgewater</i>	<i>NDSU, St. Cloud State, UMD, UW - Stout</i>	<i>U of M, UW-Madison, St. Olaf, Notre Dame</i>
English	4 cr.	4 cr.	4 cr.
Math	3 cr.	3-4 cr.	4 cr.
Science	3 cr.	3-4 cr.	4 cr.
Social Studies	3.5 cr.	3.5 cr.	3.5 cr.
World Language	Not Required	Completion Level 2	Completion Level 3
The Arts	1 cr.	1 cr.	1-2 cr.

**Requirements vary by college. Please see your counselor to review specific requirements for your possible college choices.*

OFFICIAL HIGH SCHOOL TRANSCRIPTS

Buffalo High School uses Parchment to track and deliver official transcripts throughout your high school career and thereafter.

Register for your free account at: www.parchment.com

- Begin by filling in the required fields. Do not use your BHS email.
- Finalize your registration with the confirmation code provided in your email.
(Note: Your Profile only needs to be 6% completed to be able to send transcripts).

Find your High School

- Click on: Start by adding a school or organization you attended.
- Enter in your High School (Buffalo High School)
- Select the appropriate School/Organization, Location & Type by clicking ADD.
- Fill in the required fields then review the FERPA privacy rights. Check the box, then select Consent & Request.

Order your Transcript

- Click on order.
- In the search bar, type in the name of the school or organization you want to send your transcript to and click search.
- Review order and check out. Cost ranges from \$4-5.
- Watch your email & Parchment profile for updates.

TRANSCRIPT REQUEST FOR CIS CLASSES

These requests are done online and involve a fee. Go to the college website from which the credits were earned (see below). Search "official transcript" and follow directions given.

U of MN www.onestop.umn.edu

SCSU www.stcloudstate.edu

Southwest State www.smsu.edu

North Hennepin Community College www.nhcc.edu

Hennepin Technical College www.hennepintech.edu

Central Lakes College www.clcmn.edu

Anoka-Ramsey Community College www.anokaramsey.edu

COLLEGE OR UNIVERSITY STUDENT ATHLETICS



Division I or II Student Athletes NCAA Information

If you intend to participate in Division I or II athletics as a college freshman, you must register and be certified by the NCAA Initial Eligibility Center. The NCAA Eligibility Center is the agency that handles all eligibility for Division I and II athletics.

Visit <http://www.eligibilitycenter.org> and meet with your School Counselor.

*If you are on Free/Reduced lunch please see your counselor for a fee waiver. You will need to bring your counselor your NCAA ID#.

CORE COURSE GUIDELINES

Students inquiring about approved core courses should consult with the NCAA Eligibility Center website. The BHS school code for all NCAA documents is 240345. Students should see their counselor if they have questions about anything related to the NCAA or athletic eligibility.

DIVISION I

Complete 16 core courses:

- 4 years of English
- 3 years of Math (Algebra 1 or higher)
- 2 years of natural/physical science (including 1 year of lab if offered)
- 1 year of additional English, math or natural/physical science
- 2 years of social science
- 4 years of additional English, math, social, natural/physical science, world language.

*Complete 10 core courses, including 7 in English, math or natural/physical sciences before your 7th semester.

*Once you begin your 7th semester, you may not repeat or replace any of those 10 courses to improve your core-course GPA.

*Earn at least a 2.3 GPA in core courses.

*See Counselor re: qualifying college admission test score.

DIVISION II

Complete 16 core courses:

- 3 years of English
- 2 years of Math (Algebra 1 or higher)
- 2 years of natural/physical science (including 1 year of lab if offered)
- 2 years of social science
- 3 years of additional English, math, natural/physical science
- 4 years of additional English, math, natural/physical science, social, world language

*Earn a core-course GPA of at least 2.20 for full qualifier/2.0 for Academic Redshirt.

*See Counselor re: qualifying college admission test score.



Two-Year College Student Athletes - NJCAA

The NJCAA serves as the national governing body for two-year college athletics in the United States and is the nation's second-largest national intercollegiate sports organization (second to the NCAA). Each year nearly 60,000 student-athletes from 525 member colleges compete in 28 different sports. See more at www.njcaa.org

DUAL HIGH SCHOOL AND COLLEGE CREDIT OPTIONS:

Buffalo High School students have multiple options for earning college credit while they are still enrolled in high school.

For students who want to earn college credit, while still having a high school experience, BHS offers both College-in-the-Schools (CIS) and Advanced Placement (AP) Courses. Students in these courses have the opportunity to earn both high school and college credit. The major difference between these options is CIS courses provide students the chance to earn college credit upon successful completion of the course and AP courses are designed to prepare students for a credit bearing exam at the end of the year. Students can earn college credit typically with a score of 3 or higher on the AP exam. Please contact your student's prospective college to determine how these credits may be applied.

CIS (Concurrent Enrollment) Courses-2024-2025

**Check the course description for information about coursework, requirements, and BHS prerequisites. Not all classes are offered each year.*

Anoka Ramsey Community College (ARCC)

BHS COURSE NAME	COURSE CODE	CREDITS	# TRI(S)	ELIGIBILITY REQUIREMENTS
**CIS Introduction to Statistics	MATH 1114	4	2	Grades 10-12 with GPA of 2.6 or Accuplacer

Central Lakes College (CLC)

BHS COURSE NAME	COURSE CODE	CREDITS	# TRI(S)	ELIGIBILITY REQUIREMENTS
CIS Music Theory & History	MUSC 1459	3	1	Juniors: GPA 3.0 or placement test Seniors: GPA 2.5
CIS Concert Band	MUSC 1408	2	3	Grades 11-12; No GPA requirements

Hennepin Technical College (HTC)

BHS COURSE NAME	COURSE CODE	CREDITS	# TRI(S)	ELIGIBILITY REQUIREMENTS
**CIS Wood Technology 2	CBTG 1100	2	1	Grades 10-12; C in Woods 1 GPA 2.0 or placement test
CIS Auto Service & Maintenance	ATEC 1050	2	1	Grades 10-12 GPA 2.0 or placement test
CIS Landscaping	LNDC 1235	2	1	Grades 9-12; GPA 2.0
CIS Competitive Engineering	ENGC 2075	3	2	Grades 10-12; GPA 2.0
**CIS Mechanical Drawing	ENGC 2100	4	1	Grades 10-12; GPA 2.0
**CIS Entrepreneurship	BUSN 1510	3	1	Grades 10-12; GPA 2.0
Certified Nursing Assistant (CNA)	NAHA 1010	4	2	Grades 11-12 GPA 2.1 or reading placement test

North Hennepin Community College (NHCC)

BHS COURSE NAME	COURSE CODE	CREDITS	# TRI(S)	ELIGIBILITY REQUIREMENTS
CIS Intro to Sociology	SOC 1110	3	2	Grades 11-12; GPA 2.0
**CIS US History	HIST 1200	3	2	Grades 10-12; GPA 2.0 A in Am. Gov and English 9

**CIS World History	HIST 1010	3	2	Grades 11-12; GPA 2.0 A in US His. and English 10
CIS College Academic Prep (CAP)	FYE 1020	2	1	Grades 10-12; GPA 2.0

Southwest Minnesota State University (SMSU)

BHS COURSE NAME	COURSE CODE	CREDITS	# TRI(S)	ELIGIBILITY REQUIREMENTS
**CIS Chemistry A/B or CIS Chemistry A/B/C (all completed the same school year)	CHEM 231 CHEM 231 & CHEM 232	4 9 (4+5)	2 3	Sophomores: Top 10% or GPA 3.75 Juniors: Top 33% or GPA 3.5 Seniors: Top 50% or GPA 3.0
CIS Intro to Psychology 101	PSYCH 101	3	2	Juniors: Top 33% or GPA 3.5 Seniors: Top 50% or GPA 3.0

St. Cloud State University (SCSU)

BHS COURSE NAME	COURSE CODE	CREDITS	# TRI(S)	ELIGIBILITY REQUIREMENTS
CIS College & Career Prep	COLL 111	2	1	Juniors: Top 33% or GPA 3.5 Seniors: Top 50% or GPA 3.0
**CIS Business	MKTG 100	3	1	Sophomores: Top 10% or GPA 3.75 Juniors: Top 33% or GPA 3.5 Seniors: Top 50% or GPA 3.0
**CIS College Algebra	MATH 112	3	2	Sophomores: Top 10% or GPA 3.75 Juniors: Top 33% or GPA 3.5 Seniors: Top 50% or GPA 3.0 ALL: Accuplacer Test 245 or ACT MATH 22
CIS Exercise Physiology	PESS 120	1	1	Sophomores: Top 10% or GPA 3.75 Juniors: Top 33% or GPA 3.5 Seniors: Top 50% or GPA 3.0
CIS Human Anatomy	BIOL 103	3	2	Sophomores: Top 10% or GPA 3.75 Juniors: Top 33% or GPA 3.5 Seniors: Top 50% or GPA 3.0
**CIS Wood Technology 3	CM 130	3	1	2.5 GPA & meet state testing requirement Pass CIS Woods 2
CIS Intro to Education	ED 200	3	2	Juniors: Top 33% or GPA 3.5 Seniors: Top 50% or GPA 3.0

University of Minnesota - Twin Cities Campus (UMN)

BHS COURSE NAME	COURSE CODE	CREDITS	# TRI(S)	ELIGIBILITY REQUIREMENTS
**CIS Animal Science	ANSC 1101	4	2	Sophomores: Top 20% Juniors & Seniors: Top 50%
CIS Writing & Critical Thinking	WRIT 1301	4	2	Seniors ONLY Top 30% and 3.0 GPA in English Coursework
CIS Intro to Literature	ENGL 1001W	4	2	Juniors & Seniors: Top 30%

CIS Intro to Public Speaking	COMM 1101	3	2	Juniors & Seniors: Top 50%
**CIS Physics	PHYS 1101W	4	2	Juniors & Seniors (sophomores with UMN approval) B in Algebra II or Trigonometry
CIS Creative Problem-Solving	DES 1111	3	1	Juniors & Seniors: 3.0 GPA
**CIS French 4 or **CIS French 4 & 5 (all completed the same school year)	FREN 1003 FREN 1003 & FREN 1004	5 10 (5+5)	2 3	Juniors & Seniors: Top 30% C in prior levels
**CIS German 4 or **CIS German 4 & 5 (all completed the same school year)	GER 1003 GER 1003 & GER 1004	5 10 (5+5)	2 3	Juniors & Seniors: Top 30% C in prior levels
**CIS Spanish 4 or **CIS Spanish 4 & 5 (all completed the same school year)	SPAN 1003 SPAN 1003 & SPAN 1004	5 10 (5+5)	2 3	Juniors & Seniors: Top 30% C in prior levels

Advanced Placement (AP) Courses:

AP Calculus A/B

AP Calculus B/C

AP Computer Science

AP Biology

Post-Secondary Enrollment Option ACT (PSEO)

Public school 10th, 11th and 12th grade students may be eligible to participate in this program. The purpose of the program is to promote rigorous educational pursuits, and provide a wider variety of options to high school students by enabling 10th, 11th and 12th graders to enroll full-time or part-time, without cost to them, in a non-sectarian course or program in any eligible Minnesota post-secondary institution.

Students must communicate their intent to enroll in any PSEO Coursework by May 30 of the spring prior to the school year. See your counselor for more information.

EXPLORING FUTURE CAREERS

Buffalo High School offers a number of elective courses that students can take to explore their future career and academic goals. As students choose courses, we encourage them to think carefully about the types of classes that will help them learn about their potential future plans.

Future Planning:

During a student's time at BHS, students participate in an Advisory program. A key aspect of this program is developing College and Career Readiness Skills. In order to do this, students will explore interest areas and potential career opportunities using the MCIS system.

We invite parents and guardians to sit with their student and learn more about this program together. Students can log in at: <https://portal.mn.cis360.org/>



Career Clusters:

The MN Department of Education and Department of Employment and Economic Development together define careers into six broad career clusters and a variety of career pathways. Buffalo High School offers many options for students to explore any of these future career paths.



Course Alignment:

In this guide, you will find our elective courses that focus on career exploration and foundational knowledge, are aligned with one or more of these career clusters.

Please look for the following icons to see how these courses align:

	Agriculture, Food, & Natural Resources		Health Science Technology
	Arts, Communication & Information Systems		Human Services
	Engineering, Manufacturing & Technology		Business, Management, & Administration

Agriculture

Intro to Agriculture

Grade Level: 9-10

Terms: 1

Prerequisites: None



Description: The exploding world of agriculture is examined in this introductory class. “Learning by Doing” activities will provide exposure to various areas of agriculture. Areas to be covered include careers, FFA, SAE’s, plant science, horticulture, animal science, outdoor recreation, and natural resources. A special focus of this class is your importance and personal involvement in America’s #1 industry.

Agricultural Construction

Grade Level: 10-12

Terms: 1

Prerequisites: None



Description: This course is an introduction to agricultural buildings and facilities used for livestock, crop production and storage. It is a primarily hands-on experience in the design and construction of a small storage building. Students will learn tool safety, blueprint reading, cost estimating, and selection of building materials. All students will learn the step by step construction process. Students will work cooperatively in a group and analyze the building upon completion.

Intro to Ag Business

Grade Level: 10-12

Terms: 1

Prerequisites: Intro to Agriculture or Intro to Business



Description: This course will take a deeper look at agribusinesses rather than ag production methods. Basic economic principles will be evaluated through the lens of agricultural products. Students will examine agricultural commodities and how they are marketed. Basic farm financial management practices will be explored. The course will also cover how the US ag commodity trade fits into the global scheme, what a business structure and SWOT analysis looks like, and a deeper dive into some of Minnesota's largest global ag businesses.

Natural Resources/Wildlife Mgmt

Grade Level: 10-12

Terms: 1

Prerequisites: None



Description: Students will develop skills related to management of our natural resources with an emphasis on wildlife, forest, wetlands, waters, and soils. Students will study the natural ecosystems and the effect human intrusion has had on wildlife populations. They will study how to maintain the balance between hunting, commercial, and recreational use while at the same time conserving our natural heritage.

CIS Landscaping/Landscaping

Grade Level: 9-12

Terms: 1

Prerequisites: None



Description: This course is designed to introduce students to the diverse field of plants and landscaping. Students will spend ½ the class period outdoors building retaining walls, patios, and general landscape activities. Other topics covered include: plant anatomy, propagation, reproduction, flowers, vegetables, trees, shrubs, surveying, lawn ornaments, landscape design and career opportunities as they relate to the floral, landscaping, and golf course industries. Students will design a golf course and spend time working with plants in a greenhouse. **Upon successful completion of the course, students who are eligible for college credit will earn 2 credits from Hennepin Technical College. (See CIS table for eligibility).**

Animal Science

Grade Level: 9-12

Terms: 1

Prerequisites: None



Description: This course is an introduction to the production and care of domestic animals. Primary species that will be studied include beef, sheep, hogs, dairy cows, and horses. Time will also be spent studying alternative animals such as bees, llamas, and others. This course is intended for any student interested in veterinary medicine, livestock production, hobby farms, and related industries. Topics will include the importance of animals, selection, nutrition, reproduction, behavior, training,

showing, processing, and marketing. *Meets the University of Minnesota science entrance requirement. One of 2 courses required to receive college credit at selected Minnesota Community Colleges.

Food Animal Products **New Course**

Grade Level: 9-12

Terms: 1

Prerequisites: Animal Science



Description: This course will take a hands-on look at food products that come from animals and how they are made and graded. In animal science we look at how these animals are raised and a little bit into food products (ribeye grading, churning butter, eggs) but this class will be more in depth on these food products. Many units/activities will be concurrent to various FFA contests – poultry evaluation, milk quality, meat evaluation, and food science. There will be many labs associated with this class with cooking meats and grading/evaluating food products.

Companion Animal Science

Grade Level: 9-12

Terms: 1

Prerequisites: None



Description: This course focuses on the multi-billion dollar companion animal industry, which includes the study of dogs, cats, horses, fish, birds and exotic animals. Topics include selection, breeding, reproduction, nutrition, health, behavior, training, showing, and animal welfare. This is a wonderful class for students interested in careers such as veterinary medicine, training, sales, or research. It also fits the needs of pet owners. Students can compete in judging contests, science fairs, and awards programs. Students will conduct research and communicate findings on a controversial topic. *This course meets the University of Minnesota science entrance requirement. One of 2 courses required to receive college credit at selected Minnesota Community Colleges.

Horse Science and Management

Grade Level: 9-12

Terms: 1

Prerequisites: None



Description: This class will deal specifically with topics of equine science and management including: safety, handling, grooming, training, biology, care, behavior, diseases, nutrition, identification, judging, and marketing. Whether you have a horse or not, this class is for you. All you need is a genuine interest in animals.

Veterinary Science

Grade Level: 10-12

Terms: 1

Prerequisites: Animal Science or Companion Animal Science and Biology A&B



Description: Veterinary Science is an advanced animal science class. Veterinary science students will learn: safety and sanitation, veterinary terminology, anatomy and physiology of certain pet animals, clinical examination procedures, animal hospital procedures, office management procedures, parasitology, posology, laboratory techniques, animal nutrition, animal diseases, animal management, and career exploration. Students have the opportunity to join the local FFA Chapter and challenge themselves and their peers to an academic/skills contest using small animals.

CIS Animal Science/Advanced Animal Science

Grade Level: 10-12

Terms: 2

Prerequisites: Animal Science, Biology, top 50% of class (if taken for U of MN credit)



Description: Designed for students interested in further exploration of animal production, care, and marketing. Students will have the opportunity to learn specific management techniques and to explore emerging technologies related to modern animal production. Class projects will be used to promote student participation in science fairs, competitions, and recognition programs. Students will assess the environmental impact of an agricultural innovation/issue by presenting cost-benefit risk analysis and conveying their findings to other classmates. *Meets the University of Minnesota science entrance requirements. **Upon successful completion of the course, students who are eligible for college credit will earn 4 credits from the University of Minnesota. (See the CIS table for eligibility criteria).**

Art

Art Foundations

Grade Level: 9-12

Terms: 1

Prerequisites: None



Description: Students will learn about the art elements and principles of design and apply these concepts to their own studio experience. Students will gain a better understanding of artists and their artworks. The experience allows students to work with a broad range of art materials including clay, acrylic paint, plaster, scratch board, and drawing tools.

Drawing 1

Grade Level: 9-12

Terms: 1

Prerequisites: None



Description: Students in the class learn drawing and composition skills. We will use graphite and colored pencil, oil pastel, permanent marker, and pen to create artwork inspired by the world around us, other artists, and our own imagination. Students draw from real life and photographs. Various artists are studied for inspiration.

Drawing 2

Grade Level: 10-12

Terms: 1

Prerequisites: Drawing 1



Description: This class is designed to continue exploring the fundamentals of drawing in order to achieve higher level drawing skills. Students will develop visual and aesthetic perception through a variety of drawing exercises and projects. The class will work with charcoal, oil pastels, pencil, permanent markers, and pen. A variety of subject matter will be explored.

Painting 1

Grade Level: 9-12

Terms: 1

Prerequisites: None



Description: Students in Painting 1 experiment with a variety of painting media and subject matter. We will create an acrylic painting that is focused /zoomed in subject matter, pointillism in acrylic and a watercolor series. Artists and their design styles will be used as inspiration for each project.

Painting 2

Grade Level: 10-12

Terms: 1

Prerequisites: Painting 1



Description: Students in this class create paintings that reflect an artist's search for a personal "voice", both in style and message. Through the study of historical events, famous artists, and significant art styles, students will gain insight into why and how artists paint and draw. We will work with a variety of media and subject matter. Students will create an expressive self portrait, human figure composition, and a non-object composition.

Ceramics & Sculpture 1

Grade Level: 9-12

Terms: 1

Prerequisites: None



Description: This class is an introduction to a variety of three-dimensional materials including clay, balsa foam wood, and plaster. For inspiration, students will study specific artists and art styles. Students will use the Principles of Art that are taught in Art 1 in a variety of problem solving sculpture assignments. The students will gain knowledge of the technical processes involved with each material including throwing on the pottery wheel.

Ceramics & Sculpture 2

Grade Level: 10-12

Terms: 1

Prerequisites: Ceramics & Sculpture 1



Description: This class is designed for the student who is dedicated to pursuing higher level three-dimensional art. In this challenging class, students will be guided to find their artistic "voice" in three-dimensional work. The students will be required to produce work on the pottery wheel. The students should come into this class with working knowledge of the technical processes of clay.

Ceramics & Sculpture 3

Grade Level: 11-12

Terms: 1

Prerequisites: Ceramics & Sculptures 1 and 2



Description: In this advanced ceramic class, students will study and create a wide variety of functional clay vessels. Some forms that will be explored include bowls, cups, vases, platters, mugs, plates, and teapots. Work on the pottery wheel is required. Other artists and cultures will be viewed for inspiration to guide the work. The student's own past experiences will also guide their work's direction. Students should come into this class with a solid background in clay ceramic construction and glazing techniques. Students entering this class are expected to be proficient on the pottery wheel. Students will have daily reading and journal assignments.

AVID Program

AVID (Advancement Via Individual Determination) is an academic elective course that prepares students for post high school success. In AVID, students participate in activities that incorporate strategies focused on writing, inquiry, collaboration, organization, and reading to support their academic growth. Additionally, students engage in activities centered around exploring college and career opportunities to increase their own agency. Graduates who have completed two or more years in AVID classes, including their senior year, will wear a silver cord at graduation to indicate their achievement. If you are interested in taking AVID at your grade level, please speak with Ms. Nickelsen (AVID Coordinator) in the LLC.

AVID 9

Grade Level: 9

Terms: 2

Prerequisites: None

Description: The focus on AVID 9 is developing academic and personal goals and adjusting to the high school setting. Students will work in collaborative settings, learning how to participate in discussions and use sources to support their ideas and opinions. They will refine their study skills and test-taking, note-taking, and research techniques. Students will also participate in college field trips and guest speaker presentations. They will begin building their knowledge of colleges and careers of interest.

AVID 10

Grade Level: 10

Terms: 2

Prerequisites: None

Description: During the 10th grade AVID Elective course, students will refine the AVID strategies to meet their independent needs and learning styles. As students increase their rigorous course load and school/community involvement, they will hone their time-management and study skills accordingly. Students will expand their writing, participate in collaborative discussions, and develop leadership skills. They will also begin preparing for college entrance exams, and continue to participate in college field trips and guest speaker presentations. Lastly, students will narrow down their colleges and careers of interest based on their personal interests and goals.

AVID 11

Grade Level: 11

Terms: 2

Prerequisites: None

Description: The 11th grade AVID Elective course focuses on writing and critical thinking expected of first- and second-year college students. In addition to the academic focus, there are college-bound activities

during the junior year to support students when they apply to four-year universities and confirm their postsecondary plans. They participate in college field trips and the National College Fair, prepare for the ACT, write college application essays, and seek out letters of recommendation as they continue to narrow their list of colleges and careers.

AVID 12

Grade Level: 12

Terms: 2

Prerequisites: None

Description: The 12th grade AVID Elective course centers on writing and critical thinking expected of first- and second-year college students. Students will complete a final service-learning research project, focusing both on college research skills and ways to contribute to communities near and far. In addition to the academic emphasis, there are college-bound activities and tasks that should be achieved during the senior year that support students as they apply to four-year universities and confirm their postsecondary plans. Time is spent on college and scholarship applications, the FAFSA and college financial aid, and the transition to college life and academics.

AVID Extension

Grade Level: 9-12

Terms: 1

Prerequisites: Must be currently enrolled in AVID Elective

Description: This optional course is for current AVID students and is to be taken during the trimester when they are not in the required two trimesters of the AVID Elective. Students will continue to receive support with organization, time management, and their courses through tutorials/collaborative study groups, as well as exploring areas such as leadership and community service.

Business

HYBRID = hybrid courses are designed to integrate face-to-face “seat time” and some off campus college-style learning opportunities (Online learning and off campus work time).

Intro to Business

Grade Level: 9-12

Terms: 1

Prerequisites: None



Description: In Intro to Business students will be introduced to each of the many important and exciting facets of business practice – from Management to Entrepreneurship to Marketing. Students will take a look at business in a changing world by exploring and analyzing current trends in companies like Apple, Nike, Target, and Amazon. The course is designed to help students determine their interest level in business and to gain an insight to various career opportunities. As an additional activity, students may have the opportunity to manage their own computer simulated business (Virtual Business).

Marketing

Grade Level: 10-12

Terms: 1

Prerequisites: None



Description: Did you know, on average, that Americans are exposed to approximately 7,000 advertisements each day? Effective marketing is critical for the long-term success of all business organizations. This ensures that they retain, attract, and grow their customer base. The central focus of this course is to show how the flow of goods and services from the producer to the consumer is impacted by the various marketing principles. Students will learn how marketers promote and advertise through persuasion and various marketing strategies. Topics include target market, the marketing mix (product-place-price-promotion), market research, careers in marketing, merchandising, personal selling, and the social responsibilities of marketing.

Sports & Entertainment Marketing

Grade Level: 11-12

Terms: 1

Prerequisites: Marketing



Description: Sports and Entertainment Marketing is designed to build upon students’ prior knowledge of Marketing. Students will develop a thorough understanding of advanced marketing concepts and theories as they relate to the sports and entertainment industries. Students will investigate the business side of marketing as well as look deeper into the Marketing Mix as it pertains to the sports and entertainment industries. The course will also address career development skills and explore career options. In addition to traditional delivery instruction, this course will involve hands-on projects and real-world connections made through the use of guest speakers and field trips.

CIS Business (may be available as a Hybrid)

Grade Level: 11-12

Terms: 1

Prerequisites: Introduction to Business and/or Marketing



Description: CIS Business provides a comprehensive examination of the major activities of business, contemporary issues, trends and challenges of the business environment in today’s global and changing society. This is an exciting, fast and self-paced course designed to introduce students to the varied facets of the business world. Real-world examples, videos, activities, discussions, and other instructional aspects may be used to further the student’s involvement in and understanding of the business arena. **Upon successful completion of the course, students who are eligible for college credit will earn 3 credits from St. Cloud State University. (See the CIS table for eligibility criteria).**

CIS Entrepreneurship (may be available as a Hybrid)

Grade Level: 11-12

Terms: 1

Prerequisites: Introduction to Business and/or Marketing



Description: This course will provide a sound base to the understanding of entrepreneurial activity and possibilities. Students will learn the process and skills needed for creating and developing a business venture. The course will explore the skills and characteristics of successful entrepreneurs; and cover key areas of new venture development including opportunity identification, feasibility analysis, business model design, business plan development, and execution strategy. In addition to learning the process, students will have the opportunity to create a business plan and to focus on developing an idea, planning, financing, and managing a new business venture. **Upon successful completion of the course, students who are eligible for college credit will earn 3 credits from Hennepin Technical College. (See the CIS table for eligibility criteria).**

Accounting (may be available as a Hybrid)

Grade Level: 10-12

Terms: 1

Prerequisite: None



Description: Managing your money and accounting for it is a critical component of running a successful business. In this course, students will work with a sample service business to discover how a business runs and makes a profit. Students will be exposed to T accounts, debit and credit transactions, a balance sheet, income statement, and statement of cash flows. If you hope to run your own business or get a business degree, this class is highly recommended.

College & Career Exploration

Grade Level: 9-12

Terms: 1

Prerequisites: None

Description: In College & Career Exploration students will have the opportunity to explore and research their options for after high school. Students will evaluate career choices within the MN Career Framework, explore post-secondary options (2 and 4-year college, apprenticeships, military). Using the MCIS software program as a main resource, students will become familiar with their personal interest pattern, assess their abilities and begin to identify their life experiences and personal values.

CIS College & Career Prep (may be available as a Hybrid)

Grade Level: 11-12

Terms: 1

Prerequisites: None



Description: In CIS College & Career Prep, college-bound students will have the time and support to explore careers of interest, post-secondary options and details (transcripts, cost, scholarships, majors, applications), and learn key employment skills. Areas of focus will include: develop self-knowledge of strengths and career interests through personal interest and skills inventories; participate in a job shadow or informational interview; create a current resume; and develop and practice interview skills. **Upon successful completion of the course, students who are eligible for college credit will earn 2 credits from St. Cloud State University. (See the CIS table for eligibility criteria).**

CIS College Academic Prep/CAP (may be available as a Hybrid)

Grade Level: 10-12

Terms: 1

Prerequisites: None



Description: Do you have the skills to be successful in college? This course will help prepare you for rigorous college level courses by providing study skills tips in reading, note-taking, test-taking, and other areas. Students will learn about the culture of college, personal responsibility, motivation and self-management. They will be able to apply the skills learned to elevate their high school experience and enter college with more confidence. **Upon successful completion of the course, students who are eligible for college credit will earn 2 credits from North Hennepin Community College. (See the CIS table for eligibility criteria)**

Personal Finance

Grade Level: 10-12

Terms: 1

Prerequisites: None



Description: Control your finances; don't let your finances control you. Learn how to finance a car loan, rent an apartment, and save for a house. In this course, you'll also learn how to understand taxes and how to use various saving tools to grow your money. We will also look at other life changes that could affect your life currently. We will learn how to plan for retirement and to build individual and generational wealth. How will you pay for all this, life after high school, and for future education? Understanding Personal Finance continues to be essential for all. Stock market simulations and financial management simulations may be used.

Law & Order (may be available as a Hybrid)

Grade Level: 10-12

Terms: 1

Prerequisites: None



Description: Are you curious about the law and how it affects you? Come take a tour of the American legal system. This course is designed to inform students of their rights and obligations in business and personal encounters. Topics may include criminal and civil law, court systems, the juvenile justice system, consumer law, and international law.

Computer Applications

Grade Level: 9-12

Terms: 1

Prerequisites: None



Description: Students will explore computer skills and applications needed on a personal, school/college, and career level. The focus of this course is to provide knowledge and skills associated with Microsoft Office (Word, PowerPoint, Excel) and the Google Apps (Docs, Slides, Sheets). Students will have the opportunity to create various projects that highlight the uses of both programs.

Digital & Graphic Design

Grade Level: 9-12

Terms: 1

Prerequisites: None



Description: This course will introduce students to the technical, artistic, and conceptual principles of graphic design. Areas of study include elements of design, technical software skills, layout principles, structure, and style. Students will use this knowledge of principles to create original graphic art products using both technical skill and artistic principles utilizing Photoshop, Photography, and Illustrator.

English

REQUIRED FOR ALL STUDENTS:

English 9

Grade Level: 9

Terms: 2

Prerequisite: None



Description: English 9 helps students improve their comprehension of fiction and non-fiction texts and develop reading strategies they can apply to courses throughout their high school experience. Writing includes practice in narration and exposition, helping students to create original claims and develop support for their ideas. Students will also deepen their understanding of the writing process. Collaboration and discussion engage students in inquiry and build critical thinking skills.

English 10

Grade Level: 10

Terms: 2

Prerequisite: None



Description: English 10 is designed to build on the skills and interests developed in English 9 through additional emphasis on literature analysis, reading strategies, writing experiences, research techniques, effective communication, and critical thinking. The curriculum is based on the Common Core standards with particular emphasis on reading, writing, and research. We will focus on the information, skills, and mindset necessary to succeed not only at the high school level, but also in college and future careers.

English Lit & Comp

(CIS Intro to Lit is an alternative for those who qualify)

Grade Level: 11-12

Terms: 2

Prerequisites: None



Description: This course is designed to introduce students to a thematic survey of our literary genres using a variety of short stories, essays, poems, novels, and drama. Students will be engaged actively in the process of analyzing texts through both written and oral assessments. Students will engage in learning the steps of a writing process, including pre-writing, drafting, revising, and publishing to produce written and multimodal texts that consider the basic rhetorical relationship between subject, audience, and purpose.

ELECTIVE COURSES (DETERMINED BY GRADE LEVEL):

(All students must take 1 additional credit to fulfill graduation requirements.)

World Literature

Grade Level: 11-12

Terms: 2

Prerequisites: None



Description: This course is designed to survey the stories, ideas, and cultures of the world using short essays, stories, poems, novels, and drama. The skills of writing, rhetoric, and composition are emphasized as well as used as tools for learning. Students will be engaged in an interdisciplinary learning environment where they will use shared inquiry in the process of learning about themselves and their relationship to other cultures.

CIS Intro to Literature

Grade Level: 11-12

Terms: 2

Prerequisites: None



Description: Introduction to Literature is a course primarily focused on 20th Century multicultural literature. Students will acquire the tools and procedures necessary for the interpretation and analysis of fiction, poetry and drama. Students will be required to share their interpretation of the readings in concise and in-depth written notebook entries as well as through classroom discussion. This course will require a great deal of out-of-class reading and writing, and should be taken by students with strong literary and composition skills who are willing to invest the required time and effort. **Upon successful completion of the course, students who are eligible for college credit will earn 4 credits from University of Minnesota Twin Cities.** (See the CIS table for eligibility criteria).

Acting

Grade Level: 9-12

Terms: 1

Prerequisites: None



Description: Acting is about life. Humans have forever told each other stories, have connected through words and actions, have worked together creatively, and have reflected on the past. **This is an energetic, hands-on, project-based class, participation is crucial & required.** A highly physical course, students are introduced to essential elements of live performance. These acting elements include games, movement, memorization, character, ensemble collaboration and story development. Students will collaborate, create, communicate and problem solve throughout the quarter and build skills to perform an original physical storytelling project for an outside audience.

English Grammar & Usage

Grade Level: 9-12

Terms: 1

Prerequisites: None



Description: English Grammar and Usage is a rigorous examination of the underlying structures and guiding principles of language and writing. Students are required to demonstrate proficiency through leveled daily assignments, weekly spelling exams, mid-term and final exams. Student baseline skills are assessed; subsequent coursework addresses skill deficiencies and usage issues, which prohibit or mar effective writing. Course content includes the most test areas on the ACT English test, including but not limited to sentence formulas; phrase and clause; identification, recognition and use of modifiers; and punctuation control. ***This course is highly recommended for those students intending on taking the ACT exam.***

Creative Writing

Grade Level: 11-12

Terms: 1

Prerequisites: None



Description: This class is designed to help students gain the basic skills necessary for writing creative works such as flash fiction, short stories, poetry, personal narratives and creative writing projects. Upon completion of this course students will be able to: Recognize and use the active voice in writing, recognize and use a variety of formulas for creating a story, recognize and create characters of good quality, write with fluid transitions, write using sensory language and avoiding clichés, review and revise a piece of writing, critique, review and edit the work of other authors and, create a unique voice and style.

College Prep Writing and Critical Reading

Grade Level: 11-12

Terms: 2

Prerequisites: None



Description: This course will focus on developing students' writing skills to prepare them for advanced writing at a college-level standard. Intensive writing instruction will include pre-writing techniques, organization of thought, analysis of writing styles, peer conferencing and annotation, and correct grammar and mechanics. **Students who register should have good writing skills and be prepared to invest time outside of school on writing and revising their work.** The course will require students to share their writings in class critique sessions. This will not be a "creative writing" course; most emphasis will be placed on expository essays, including a personal narrative, ethnography, causal analysis, and critical review. ***Do not register for this class if you have successfully completed or plan to take CIS Writing and Critical Reading.***

CIS Writing and Critical Reading

Grade Level: 12

Terms: 2

Prerequisites: None



Description: This course will focus on developing students' writing skills to prepare them for advanced writing at a college-level standard. Intensive writing instruction will include pre-writing techniques, organization of thought, analysis of writing styles, peer conferencing and annotation, and correct grammar and mechanics. **Students who register must have advanced writing skills and be prepared to invest time outside of school revising their work.** They will also be responsible for assignments from college-level texts, as well as mandatory meetings at the University of Minnesota. Emphasis will be placed on expository essays, including a personal narrative, ethnography, causal analysis, and critical review. ***Do not register for this class if you have successfully completed College Prep Writing.*** Upon successful completion of the course, students who are eligible for college credit will earn 4 credits from University of Minnesota Twin Cities. (See the CIS table for eligibility criteria).

Speech Communications

Grade Level: 10-12

Terms: 1

Prerequisites: None



Description: This course introduces students to three different areas of speech communications: interpersonal communication, small group communication, and public speaking. In addition to receiving an introduction to speaking in front of groups, the course will include effective one-on-one communication and effective communication in groups, skills which will be applied to social as well as professional goals. This class presumes a willingness to speak publicly and with all members of the class individually and in groups. *Students who have taken College Prep Public Speaking should not sign up for Speech Communications.*

CIS Intro to Public Speaking

Grade Level: 11-12

Terms: 2

Prerequisites: None



Description: CIS Intro to Public Speaking is a course designed to teach students basic public speaking skills. The course helps students develop an understanding of the basic principles of oral communication, with a focus on improving skills in researching, writing, and organizing effective presentations that are appropriate to particular audiences. Students will develop, improve, and gain confidence in basic delivery skills. Students will also learn to critically evaluate speeches and develop an awareness of, and appreciation for, the responsibilities of ethical communication. **Upon successful completion of the course, students who are eligible for college credit will earn 3 credits from the University of Minnesota. (See the CIS table for eligibility criteria.)**

Mass Media

Grade Level: 11-12

Terms: 1

Prerequisites: None



Description: Students will build critical media literacy skills to become smarter consumers -- and producers -- of media messages. The course encourages students to examine the effect of mass media through deep analysis of a wide variety of media texts. Students explore historical and current media landscapes, with specific focus on advertising, music, TV/film, news coverage, and social media. The course will analyze how these forms of media are

evolving, and will ask students to identify and research current issues and future trends in media. Note-taking, reading, media production projects, written analysis, and discussion are each significant parts of this course. This course addresses MN state standards of media literacy and non-fiction reading.

Journalism

Grade Level: 9-12

Terms: 2

Prerequisites: None



Description: Journalism is a writing workshop that supports the newspaper at Buffalo High School and beyond. The majority of the class-time is based on writing projects including news, features, documentaries, sports, investigative, and editorial writing -- with an emphasis on conducting interviews and publication. Other writing assignments include creative writing and technical writing. To improve writing, students are also asked to develop an independent reading program and keep a journal.

Publications Writing (Yearbook)

Grade Level: 11-12

Terms: 3

Prerequisites: Teacher Approval



Description: This is an advanced co-curricular class that allows students to perfect their writing by meeting national standards for publication. Emphasis will be placed on writing journalistic copy, including research, surveys, interviewing techniques, feature stories, headlines, and captions. Extensive revisions will be necessary during the writing process. In addition, students will be assigned articles, essays, writing style practice, and grammar quizzes. Self-motivated independent learners must be willing to meet college-level writing standards. This class requires multiple work nights outside of the school day whose dates are set at the beginning of the school year.

Family & Consumer Sciences (FCS)

Fundamentals of Food Preparation

Grade Level: 9-12

Terms: 1

Prerequisites: None



Description: Lost in the kitchen? Do you want to be able to pick up a recipe and make it, but don't know if you are doing it correctly? Then this class is for you! Students will gain knowledge of the kitchen, its equipment and how to follow a recipe. We'll explore service industry careers and learn the many avenues a culinary-based career could take you!

Culinary Foods

Grade Level: 9-12

Terms: 1

Prerequisites: Fundamentals of Food Preparation



Description: Culinary Foods provides students with a firm foundation in basic food preparation. Industry safety and sanitation standards are stressed with all food labs. Students will begin to develop their culinary knowledge and the practical skills needed to work in the home kitchen and beyond. This course is designed to be interactive, student centered, collaborative, cooperative, and relevant.

Baking & Pastry

Grade Level: 9-12

Terms: 1

Prerequisites: Fundamentals of Food Preparation



Description: In Baking & Pastry Arts you will learn some of the foundations and skills necessary to create beautiful cakes, cookies, and pastries. Students will continue to apply industry level safety and sanitation standards while learning preparation techniques and principles used in baking to prepare a wide array of baked goods, pastries, and confections.

Human Development: Prenatal-Toddler

Grade Level: 9-12

Terms: 1

Prerequisites: None



Description: In this class students study the physical, intellectual, social, and emotional development of a child from conception to age 3. Topics include development theories, conception, prenatal development, labor & birth, infant development and toddler development. This class is a basic foundation course for any student wanting to pursue a career working with children in any capacity and is a great stepping stone to the Child Development course. Do not take this class if you've already taken Child Development.

Child Development: Pre-K - Teen

Grade Level: 9-12

Terms: 1

Prerequisites: Human Development: Prenatal-Toddler recommended, not required.



Description: This course is designed for students who are interested in the development of children from preschool through high school, as well as those who may want to choose a career working with children, especially from an educational standpoint. In this course you will focus on the physical, social, emotional and intellectual development of a child from ages 3 to 18. This is a great companion course to Human Development: Prenatal through Toddlerhood, which is recommended prior but not required for this course.

Adulting 101

Grade Level: 10-12

Terms: 1

Prerequisites: None



Description: This course is designed to teach successful strategies for life after high school. Topics include: personal health & wellness, college & career readiness, consumer & personal finances, independent living skills, basic cooking skills and more! Start out on the right path to independence with knowledge and confidence!

Textile Design

Grade Level: 9-12

Terms: 1

Prerequisites: None



Description: Students will be able to demonstrate knowledge and skill in proper use of the sewing machine. We'll discuss fabrics/fibers and learn which types are best suited for various projects & patterns. Students will understand pattern layout and fabric cutting by properly reading the pattern guide and following a series of pictorial steps along with written directions. Students will complete several projects which will demonstrate mastery of key elements of sewing and design. **Project materials are provided by the student.**

General Courses

CIS Intro to Education

Grade Level: 11-12

Terms: 1

Prerequisites: None



Description: Are you thinking about becoming a teacher? This class is your entrance to experiencing education. You'll learn about the profession and develop a greater understanding of the history of education in our state and nation; gain insights into the structure and functions of our schools and school systems; learn the steps to teacher and educator certification; and recognize the significance of teacher leadership and advocacy for the profession. You will experience the classroom as a Teacher Cadet Intern when you design and deliver effective lessons while creating and applying effective classroom climate, management, and discipline strategies. Analysis and reflection will help you evaluate instructor and peer feedback. **Upon successful completion of both terms, students who are eligible for college credit will earn 3 credits from St. Cloud State University. (See the CIS table for eligibility criteria)**

CIS Creative Problem Solving

New Course

Grade Level: 11-12

Terms: 1

Prerequisites: None



Description: This course provides the chance to explore and engage with contemporary and historic practice in the creative fields, principally in art and design through a series of personal and creative activities. This course promotes the exploration of new media as well as traditional practice through personal involvement in creativity and creative practice. Central to the mission of the course is the development of your personal traits of creativity, thoughtful analysis, ingenuity, experimentation and the ability to solve problems. The goal of this course is to create a lasting, permanent, and integrated connection between the student, their own creativity, and the creative fields. **Upon successful completion of both terms, students who are eligible for college credit will earn 3 credits from University of Minnesota Twin Cities. (See the CIS table for eligibility criteria)**

CIS Certified Nursing Assistant - CNA

New Course

Grade Level: 11-12

Terms: 2

Prerequisites: None



Description: This course introduces students to some of the most important concepts used in caring for our elderly population in a variety of healthcare settings. The course includes the theory for these concepts, as well as the training to perform the necessary care giving skills. The skills are demonstrated in a supervised laboratory setting. The course includes an additional 16 hours of clinical experience. Upon successful completion of this course the student is eligible to take the Minnesota Competency Evaluation for Nursing Assistants. **Upon successful completion of both terms, students who are eligible for college credit will earn 4 credits from Hennepin Technical College. (See the CIS table for eligibility criteria)**

Peer Coaches

Grade Level: 11-12

Terms: 1 (can be taken multiple times)

Prerequisites: None

Description: As a Peer Coach you will work one-to-one or in small group consultations to support any student working on a project. You will model, discuss and guide the students in problem-solving, encouraging future success. Peer Coaches will receive training in an inquiry-based Socratic approach. **Students will earn .5 credit and P/NC grade for this class.**

Senior Study

Grade Level: 12

Terms: 1 (can be taken 1 time per trimester during the senior year)

Prerequisites: Minimum 2.0 cumulative GPA and have not failed a class during high school

Description: Many seniors have rigorous schedules filled with CIS and college prep classes that require extra effort and time to be successful. This class provides you the opportunity to have additional time to work on courses. **Please note, the Senior Study does not generate any credit toward graduation.**

Unified Mentorship Opportunities

Unified Agriculture Mentor

Grade Level: 11-12

Terms: 1

Prerequisites: Mentors should have completed Intro to Agriculture or CIS Landscaping.

Description: This class allows all students (general education partners as well as students who benefit from special education services) to interact in an environment focused on developing skills in agriculture. This opportunity fosters collaboration in planting seeds, soils, plant commodities, seed, plant and weed identification, transplanting, pruning, and two community outings. Students will participate in planning, cultivating, and caring for a plant from germination to transplanting to pruning. Students will be given opportunities to lead peer activities to gain valuable leadership experience.



Unified Home Living Mentor

Grade Level: 11-12

Terms: 1

Prerequisites: None

Description: This home living skills class allows all students (general education students as well as students who benefit from special education services) to interact in an environment focused on developing independence in a variety of home living skills. This mentorship opportunity fosters collaboration in meal planning, cooking, safety, communication, cleaning, and community planning. Students will participate in meal preparation from beginning to end. This includes planning, creating, setting the table, and enjoying various types of meals from breakfast to dessert. Student mentors will be given opportunities to lead peer activities to gain valuable leadership experience.



Unified Music Mentor

Grade Level: 11-12

Terms: 1

Prerequisites: Should be current music students.

Description: Music for all! This class is a music making class mentorship designed to give all students (general education students and those who benefit from Special Education Services) the opportunity to interact and support one another in a music making environment. Student mentors will collaborate with individuals with disabilities to engage in the music making process; singing, moving, and playing instruments together. Students will have opportunities to participate in performances as well as community based education outings. Student mentors will be given opportunities to lead peer activities to gain valuable leadership experience and skills.



Unified Physical Education Mentor

Grade Level: 11-12

Terms: 1

Prerequisites: None

Description: This class is a Physical Education class mentorship opportunity designed to give an opportunity for all students (general education students and those who benefit from Developmental Adapted Physical Education) to participate in Physical Education together. Student mentors will come alongside of students with special needs who have DAPE services in recreation, leisure, and fitness while increasing their understanding of inclusion, social justice, and advocacy. Student mentors and their peers will have opportunities to participate in Unified athletic tournaments and community-based education outings. Student mentors will also be given opportunities to teach their peers activities to increase their leadership skills.



Unified Work Experience Mentor

Grade Level: 11-12

Terms: 1

Prerequisites: None

Description: This is a work-based learning mentorship class designed to give all students (general education mentors as well as students who benefit from special education services) the opportunity to learn general employability skills by volunteering in the school and in the community. Students support one another while learning work skills such as cleaning, making soap, and selling coffee. Through this class, student mentors will be given opportunities to gain leadership experience.



Health

Health 10

Grade Level: 10

Terms: 1

Prerequisites: None

Description: This course is a one term course designed to help the student develop a better understanding of the physical, social, and emotional aspects of human life. The main units of study are staying healthy, the top killers, nutrition and fitness, and responsible choices about drugs and sex.

Current Health Trends

Grade Level: 10-12

Terms: 1

Prerequisites: None

Description: Students will look at current topics such as: obesity, diseases, new medical technology, addiction, and reliable Internet sources. The class will vote on additional topics of interest which include: careers in health care, sports medicine, mental health topics, brain research, environmental health, and much more. Class includes discussion, hands-on projects, and research, in addition to the reading and videos.



CIS Exercise Physiology

Grade Level: 10-12

Terms: 1

Prerequisites:

Description: This class is intended for students interested in careers in medicine or physical therapy or athletes who want to learn about the body and how to increase athletic performance. Subjects covered will be the muscular and skeletal systems, and the physiological effects of exercises, and weight training on athletic performance. Students will also develop a weight lifting and conditioning program and complete original student led research. Knowledge of theories and principles as related to exercise physiology and biomechanics will be covered in a classroom setting. A lab environment will be used as needed. **Upon successful completion of the course, students who are eligible for college credit will earn 1 credit from St. Cloud State University. (See the CIS table for eligibility criteria).**



Math

Intermediate Algebra

Grade Level: 9-10

Terms: 2

Prerequisites: Teacher Recommendation



Description: Intermediate Algebra is designed for students who wish to deepen and extend the concepts of Algebra. Topics from Algebra 2 and Geometry will be introduced.

Geometry

Grade Level: 9-12

Terms: 2

Prerequisites: Intermediate Algebra; Teacher Recommendation



Description: This course will look at the relationships between points, lines and planes in spatial and plane geometry as well as coordinate geometry. Learning deductive reasoning with the use of postulates and theorems will be the main focus of the first term. Properties of polygons, transformations, similarity, right triangles, area, and volume will be topics for study in the second term.

Algebra 2

Grade Level: 9-12

Terms: 2

Prerequisites: Geometry



Description: This course combines knowledge from first-year algebra and geometry with new concepts involving practical life situations and beginning work on the graphing calculator. Topics to be covered include: solving equations and inequalities, systems of equations and inequalities, functions, graphing, exponents, complex numbers, polynomial functions, rational expressions, probability, and statistics.

Algebra 3 with Trig

Grade Level: 10-12

Terms: 1

Prerequisites: Geometry and Algebra 2



Description: This is a one term course intended for students who have completed Geometry and Algebra 2. This class will enhance higher level thinking and problem-solving skills by studying topics that include functions, logarithms and trigonometry as well as other topics commonly found on the ACT test. Students will benefit from this additional exploration

and mastery of algebra skills by preparing them for the next-level mathematics course such as Pre-Calculus, College Algebra or Trigonometry.

CIS College Algebra

Grade Level: 10-12

Terms: 2

Prerequisites: Algebra 2



Description: This course is for students who have successfully completed Algebra 2 and want college credit for pre-calculus math. Topics include: graphs and functions; polynomial, radical, rational, exponential, logarithmic functions; equations, inequalities, systems of equations and inequalities; applications. Upon successful completion of the course, students who are eligible for college credit will earn 3 credits from St. Cloud State University. (See the CIS table for eligibility criteria).

Pre-Calculus

Grade Level: 10-12

Terms: 2

Prerequisites: "B" or above in Algebra 2 or completion of Algebra 3 with Trig



Description: This course is an elective course designed to prepare kids for calculus. The content is similar to CIS College Algebra. Topics include: graphs and functions; polynomial, radical, rational, exponential, logarithmic functions; equations, inequalities, systems of equations & inequalities; applications. **Do not register for this course if you have successfully completed or plan to take CIS College Algebra.**

Trigonometry

Grade Level: 10-12

Terms: 1

Prerequisites: Algebra 2

Recommended: "B" or above in Algebra 2



Description: This course is a **precalculus level class** designed for college-bound students. Topics covered in this course are the unit circle, right-triangle trig, trig identities, graphs of trig functions, radian measure, analytical trig, and many applications.

Advanced Placement (AP) Calculus A/B

Grade Level: 10-12

Terms: 3

Prerequisites: Pre-Calculus or CIS College Algebra, Trigonometry



Description: The goal of AP Calculus is to provide a clear understanding of the concepts of differential and integral calculus as well as the procedures used in finding solutions to the variety of problems presented. Topics to be used include: functions, their properties and graphs, continuity and limits, extreme values, concavity, and average and instantaneous rates of change. Integration by use of the Fundamental Theorem of Calculus will be stressed.

Advanced Placement (AP) Calculus B/C

Grade Level: 11-12

Terms: 2

Prerequisites: AP Calculus A/B



Description: This is a continuation of AP Calculus AB beginning with a brief review of volumes of revolutions and area between curves, arc length and surface areas of revolutions. Integration techniques, L'Hopital's Rule and improper integrals followed by a thorough study of series, including the Taylor and Maclaurin series with the different tests for convergence will be investigated. Slope fields, parametric equations, polar coordinates, vectors and vector-valued functions will also be studied.

Statistics

Grade Level: 11-12

Terms: 1

Prerequisites: Intermediate Algebra



Description: This course will focus on statistics concepts such as collecting, organizing, and analyzing data. It will also introduce probability and statistical inference. Students will be participating in activities and projects involving surveys and experimental design. We will also explore many real world applications of statistics including the US Census Bureau and opinion polls.

CIS Statistics

Grade Level: 10-12

Terms: 2

Prerequisites: Algebra 2

Recommended: B or above on Algebra 2



Description: This is a concurrent enrollment course through Anoka Ramsey Community College. It is a college statistics course. This course is designed to present strategies for collecting, organizing,

analyzing, and drawing conclusions from data. Students will review probability theory and various distributions, and learn how to perform statistical inference. They will learn to interpret and judge the statistical information in the world around them. Not only is this course useful to students pursuing studies in math, science and engineering, but also in the health fields and social sciences, including economics, business and psychology. **Upon successful completion of the course, students who are eligible for college credit will earn 4 credits from Anoka Ramsey Community College. (See the CIS table for eligibility criteria).**

Intro to Computer Programming

Grade Level: 9-12

Terms: 1

Prerequisites: None



Description: In this class, students will learn the basics of computer programming with the Java programming language. Students do not need to have any prior programming experience for this class. Students will be introduced to topics such as problem-solving, algorithms, object-oriented design, primitive data and objects, arrays, designing classes and methods, and graphics.

AP Computer Science A

Grade Level: 11-12

Terms: 2

Prerequisites: Intro to Computer Programming



Description: This course is equivalent to a first-semester, college-level course in computer science. It introduces students to topics that include problem solving, design strategies and methodologies, data structures, algorithms, analysis of potential solutions, and the ethical and social implications of computing. This course emphasizes both object-oriented and imperative problem solving and design using Java language.

Financial Algebra (Formally Life Skills)

Grade Level: 12 or teacher approval

Terms: 1

Prerequisites: None



Description: This course will focus on a variety of financial applications in math. Areas to be covered will be: banking, loans, credit cards, investments, automobiles and transportation, mortgage insurance, income and deductions, and taxes. Math topics will include basic math operations, linear and exponential functions, statistics, ratios and proportions.

Music

MUSIC PERFORMANCE CLASSES ARE A YEAR LONG COMMITMENT

Repertory Band

Grade Level: 9-12

Terms: 3

Prerequisites: Completion of 8th grade band or Teacher Approval



Description: All 9th grade band students will register for Repertory Band, as well as those in grades 10-12 who are not placed in Varsity or Concert Band. The band will meet every day for the full year. These students will have the opportunity to play in three concerts and to play in summer marching band, winter drumline, pep bands, & jazz ensembles.

Varsity Band

Grade Level: 10-12

Terms: 3

Prerequisites: Completion of Repertory Band or Teacher Approval



Description: All 10th grade band students, and those in grades 11 & 12 who are not in Concert Band, will be in Varsity Band. This band will meet every day for the full year. Students in this group will study and perform a variety of band literature, covering music from different time periods and styles. In addition to band literature, students in the Varsity Band will study and/or perform chamber music and solo literature. These students will have the opportunity to play in the summer marching band, winter drumline, pep bands, and jazz bands. They will also participate in several concerts and contests. The band director places students in the Varsity Band.

CIS Concert Band

Grade Level: 11-12

Terms: 3

Prerequisites: Audition



Description: Students in grades 11-12 are eligible for this band by audition only. Students will be selected based on instrumentation needs and playing ability determined via rehearsal performance, playing assessments and/or audition. This band will meet every day for the full year. Students in this group will study and perform a variety of band literature, covering music from different time periods and styles. In addition to band literature, students in the Concert Band will study and/or perform chamber music and solo literature. These students will have

the opportunity to play in the summer marching band, winter drumline, pep bands, jazz bands and symphony orchestra. They will also participate in several concerts and contests. The band director places students in the Concert Band. **Upon successful completion of the course, students who are eligible for college credit will earn 2 credits from Central Lake College. (See CIS table for eligibility).**

Repertory Orchestra

Grade Level: 9-12

Terms: 3

Prerequisites: Completion of 8th Grade Orchestra or Teacher Approval



Description: All 9th grade orchestra students, and those in grades 10-12 who are not placed in Varsity or Concert Orchestra, will register for Repertory Orchestra. Students will continue to expand on their previously acquired skills and knowledge such as independent tuning, musical interpretation, shifting, bowing technique, and leadership. The orchestra will meet every day for the full year. These students will have the opportunity to play in three concerts and to play in Chamber Strings II.

Varsity Orchestra

Grade Level: 10-12

Terms: 3

Prerequisites: Completion of Repertory Orchestra or Teacher Approval



Description: All 10th grade orchestra students, and those in grades 11 & 12 who are not in Concert Orchestra, will be in Varsity Orchestra. Varsity Orchestra is a non-audition ensemble that meets every day all year. Students will continue to expand on their previously acquired skills and knowledge such as independent tuning, theory, musical interpretation, extended positions, bowing technique, and leadership. In addition to performing as a large group, students will also have an opportunity to play in three concerts, festivals, solo and small ensembles, and Chamber Strings II. The orchestra director places students in Varsity Orchestra.

Concert Orchestra

Grade Level: 11-12

Terms: 3

Prerequisites: Audition



Description: Students in grades 11-12 are eligible for Concert Orchestra by audition only. Students will be selected based on instrumentation needs and playing ability determined via rehearsal performance, playing assessments and/or audition. This group will meet every day all year. Students in this group will study and perform a wide variety of orchestral literature and will have an opportunity to perform as both a “string only” ensemble as well as a full symphony orchestra. In addition to practice and performance, this course includes an overview study of music history and theory. Students will also have an opportunity to play in a chamber orchestra, small ensembles and participate in concerts and contests. The orchestra director places students in the Concert Orchestra.

Tenor Bass/Mixed Repertory Choir

Grade Level: 9-12

Terms: 3

Prerequisites: None



Description: All 9th grade Tenor & Bass choir students will register for Tenor Bass Repertory Choir. Tenors & Basses in grades 10-12 who are not placed in Varsity or Concert Choir also enroll in this course. Students will have class every day for the full year, and will sing in three concerts across the school year. We will rehearse and perform a variety of choral and vocal music styles. Emphasis in this class is placed on skill development in practice and performance, the study of basic music theory, and vocal development. Both Soprano Alto and Tenor Bass Repertory Choirs will rehearse and perform together as a mixed choir during Trimester 3. All choir students will have the opportunity to sing in festivals, audition for optional ensembles, and experience a variety of performance opportunities.

Soprano Alto/Mixed Repertory Choir

Grade Level: 9-12

Terms: 3

Prerequisites: None



Description: All 9th grade Soprano & Alto choir students will register for Soprano Alto Repertory Choir. Sopranos & Altos in grades 10-12 who are not placed in Varsity or Concert Choir will also enroll in this course. Students will have class every day for the full year, and will sing in three concerts across the school year. We will rehearse and perform a variety of choral and vocal music styles. Emphasis in this class

is placed on skill development in practice and performance, the study of basic music theory, and vocal development. Both Soprano Alto and Tenor Bass Repertory Choirs will rehearse and perform together as a mixed choir during Trimester 3. All choir students will have the opportunity to sing in festivals, audition for optional ensembles, and experience a variety of performance opportunities.

Varsity Choir

Grade Level: 10-12

Terms: 3

Prerequisites: Teacher Approval



Description: The Varsity Choir is a large group choral ensemble designed to continue the development of vocal performance skills for students in grades 10-12. Varsity Choir is a non-auditioned choir that meets every day for the entire school year. The course includes the rehearsal and performance of a variety of choral music styles in mixed SATB voicing. Emphasis in this class is placed on skill development in choral singing and performance, the study of music elements, and vocal development. Choir students will participate in concerts, festivals, and other performance opportunities. The choir director places students into the Varsity Choir.

Concert Choir

Grade Level: 11-12

Terms: 3

Prerequisites: Audition



Description: This is the most advanced choral ensemble at BHS and is designed for mixed voices. Students in grades 11-12 are eligible for Concert Choir by audition only. Concert Choir will meet every day all year. Emphasis in this choir is on performance and musicianship, as well as vocal technique. Students in this group will study and perform a variety of choral literature covering music from different periods and styles. In addition, students will have the opportunity to study and perform solo and ensemble literature. The Concert Choir performs at numerous concerts, contests and festivals. The choir director places students in the Concert Choir.

Guitar

Grade Level: 9-12

Terms: 1

Prerequisites: None



Description: This class is for students at any experience level. Students with limited to no experience will learn the basics of playing guitar including chords, strum patterns, reading lead sheets, basic rhythms, easy melodies, simple bass lines and tuning. Students with more guitar experience will expand on these concepts based on their current level of ability.

Guitar 2

Grade Level: 9-12

Terms: 1

Prerequisites: Guitar 1 or test-out (Guitar 1 final exam – score 85% or higher)



Description: This course is a continuation of Guitar I, building upon the knowledge and skills gained in the introductory course. Students will learn barre chords, power chords, and fingerpicking technique, the extended fretboard and notation, scale and chord theory, as well as tablature and transposition (us of the capo).

Music Production

Grade Level: 9-12

Terms: 1

Prerequisites: None



Description: This class is an introduction to the many processes that go on behind the scenes when producing music. In this hands-on, project-based class, students will learn how to use a digital audio workstation (DAW) to mix, quantize, equalize, pan, compress, and tune various music and sounds as well as some microphone and recording basics.

CIS Music Theory and History

Grade Level: 11-12

Terms: 1

Prerequisites: None



Description: This course covers the basics of music theory, aural perceptions, and sight singing all in the context of primarily western music history. Emphasis is placed on rhythmic exercises, notation, tonality, phrase structure, simple form, fundamental harmony, and basic keyboard facility. Students will also learn how music has evolved through time, and how it has developed differently in various regions and cultures.

Upon successful completion of the course, students who are eligible for college credit will earn 3 credits from Central Lake College. (See CIS table for eligibility).

On The Job Training

On the Job Training

**Fifth Hour Only*

Grade Level: 12

Terms: 3

Prerequisites: None

Description: On the Job Training allows students to make their job a part of their classroom experience. Students are excused from school for 5th hour to go to work and must complete online assignments to meet vocational seminar requirements. All students are required to work an average of 10 hours per week, proven by submitting W2 pay stubs as assignments. On the Job Training focuses on 21st century success skills that students need to develop and practice to successfully transition from school into the workforce. Students who continue this course more than 1 trimester will see vocational seminar requirements become more involved and career focused.

Requirements:

- Obtain a job prior to the start of class; job must provide W2 pay stubs and Workers' Compensation, as well as follow child labor guidelines
- Must be able to work an accumulative average of 10 hours per week
- Completed Training Agreement approved and signed by self, parent, and work supervisor. Communication with teacher about changes in employment status. Cannot work for a parent
- Complete 60% or better on assignments and pay stub submissions via Google Classroom
- Check-in with teacher, as assigned

Expectations:

- Frequent communication with teacher and boss/supervisor
- Ability to have input from supervisor
- Completion of weekly assignments (equivalent to approximately 1 hour of course work)
- Required pay stubs to prove hours logged
- Provide work schedule and be able to have teacher/job coach visit

Physical Education

PE 9

Grade Level: 9

Terms: 1

Prerequisites: None

Description: 9th grade physical education is a required course. Students will participate in individualized fitness programs. Fitness programs will include 3-4 days of cardiovascular conditioning, 2 days of strength training, and one classroom day. The students are responsible for written projects demonstrating an understanding of the fitness principles using the Fitness for Life text book. Current technology, including heart rate monitors, and pulse sticks will be utilized to evaluate students' fitness levels and intensity.

PE 10

Grade Level: 10

Terms: 1

Prerequisites: Pass PE 9

Description: Throughout this course, individuals will face a number of challenges concerning physical fitness. These challenges will include the following: Assessing individual physical fitness and progress during the term; learning about changes in personal habits that could be needed to improve fitness; taking responsibility for planning, developing, and maintaining a healthy and active lifestyle; exploring consumer fitness choices; designing a physical activity and fitness program that can meet individual needs throughout life. Class will include cardio training, strength training and various activities such as circuits, step aerobics, taebo, exercise balls and weight lifting with heart rate monitors.

PE 10 Hybrid

Grade Level: 10

Terms: 1

Prerequisites: Pass PE 9

Description: This course is a hybrid course with 4-6 face to face meetings throughout the quarter. Students will have an individual face to face meeting with the instructor once a week. The PE10 curriculum will be administered through a Google site and e-mail communication with the instructor. The student's fitness level will be measured during a pre and post fitness assessment. Each individual will use a Heart Rate monitor to assess and record resistance and

cardiovascular workouts completed off campus. Some topics covered will be nutrition, personal fitness habits, chronic disease prevention, basic physiology and others.

9th/10th Competitive Team Sports

Grade Level: 9-10

Terms: 1

Prerequisites: None

Description: This course is an elective course for 9th and 10th grade students and will not replace the 9th and/or 10th grade Physical Education requirement. This class will allow students to learn how to work together as a team, learn rules and etiquette of team and individual activities as well as good sportsmanship. Competitive play/participation as well as heart rate monitors will be the basis of assessment for this course.

Competitive Team Sports

Grade Level: 11-12

Terms: 1

Prerequisites: Pass PE 9 & 10

Description: This course is designed for the skilled athlete who seeks a higher level of skill and competition in a variety of sports. Students will be evaluated through performance in competitive leagues and tournaments, as well as time in target heart rate zone. This is a class for students with average or above average level of sports skill.

Indoor/Outdoor Recreation

Grade Level: 11-12

Terms: 1

Prerequisites: Pass PE 9 & 10

Description: Students will participate in lifetime sports. Activities will include net games, team sports, striking sports, and yard games. Attendance and daily participation is essential for this class.

Strength & Conditioning 1

Grade Level: 9-12

Terms: 1

Prerequisites: None



Description: This course will instruct students in all aspects of strength training and conditioning. Emphasis will be on safety, basic lifting techniques, and the concept of total fitness training. A 3 day lifting and 2 day conditioning program will be utilized. Students will wear heart rate monitors and will be assessed on the time in target heart rate zone.

Strength & Conditioning 2

Grade Level: 9-12

Terms: 1

Prerequisites: Pass Strength & Conditioning 1



Description: This course is open to students who have an interest in improving their physical fitness but have little experience in weightlifting and conditioning programs. Students will be involved in strength conditioning, fitness testing, and other fitness activities. The students will learn training methods and daily exercises beneficial to their lifetime fitness. Heart rate monitors will be worn by students for assessment on the time in target heart rate zone.

Net Games 1

Grade Level: 9-10

Terms: 1

Prerequisites: None

Description: Net Games 1 and 2 will give students the opportunity to work individually and as part of a team during physical education class. These two courses will also allow students to learn the basics and expand their knowledge on lifelong recreational activities (NASPE Standards 1,2,3,5). Net Games 1 will focus on developing skills and game play.

Net Games 2

Grade Level: 11-12

Terms: 1

Prerequisites: None

Description: Net Games 2 will give students the opportunity to work individually and as part of a team during physical education class. These two courses will also allow students to learn the basics and expand their knowledge on lifelong recreational activities (NASPE Standards 1,2,3,5). Net Games 2 is for 11th and 12th grade students only and will focus on refining skills developed in Net Games 1, tournament and competitive play.

Officiating & Coaching

Grade Level: 10-12

Terms: 1

Prerequisites: None



Description: The goal behind this course will be to expose students at a young age to these professions, give them opportunity to partner up with BCMS activities, youth organizations, and create a culture where both professions can be valued and respected by all. This course will focus on what it means to be a transformational coach vs transactional coach and will give students the opportunity to learn the fundamentals of officiating and coaching.

Mind & Body Connection

Grade Level: 11-12

Terms: 1

Prerequisites: None



Description: This class is designed for students who want to increase their overall connection to their mind and body. Students will work on developing the skills necessary for guided breathing, meditation, stretching and mindfulness activities. This class is designed for a mixture of both health and physical education elements. Students who sign up for this course will improve their coping skills, self-esteem and overall mental health.

Science

2024-25 Science Graduation Requirements (3.0 Credits)

	Science 9 Credit (1.0 Credit)	Biology Credit (1.0 Credit)	Chemistry or Physics Credit (1.0 Credit)
General	Science 9 A/B	Biology A/B	Chemistry A/B or Physics A/B
Accelerated	Science 9 A/B	AP Biology A/B/C	Chem X (typically in 9th or 10 grade year) and CIS Chem A/B/C or CIS Physics A/B

***There are many pathways for students to complete the 3.0 credit requirement in Science.*

Earth Science

Grade Level: 9

Terms: 2

Prerequisites: None



Description: Science 9 is a two-term earth science course in which students are introduced to basic concepts in earth science. This course provides hands-on activities in the laboratory and opportunities for problem solving. Topics covered in this course include: geomorphology, weathering, water; atmosphere, oceans, natural resources; climate, space, stars. This course is a fundamental class that is required before taking other courses of study in Science.

Biology

Grade Level: 10-12

Terms: 2

Prerequisites: Science 9



Description: This is a required course designed to meet the needs of students that may be college bound. It's structured around the Minnesota Academic Science Standards, primarily in Life Science, but includes some of the History and Nature of Science strand as well. Because living things are governed by the same laws of nature as all matter, 9th grade Physical Science (or its equivalent) is a prerequisite in order to fully understand the concepts of this course. While the course may take on many themes such as methods, process, cycles, change, relationships, responsibility, and ethics, its primary goal is to encourage students to think knowledgeably, thoughtfully and critically about observations, data and scientific discoveries and theories

Wildlife Biology

Grade Level: 10-12

Terms: 1

Prerequisites: None



Description: Serious biology students will use an ecological and hands-on approach to cover topics on wildlife management, waterfowl, endangered species, birds of prey and big and small game species. Timber wolves will be studied as a model to learn basic research and data collection techniques. Identification of species will be discussed using a variety of models and hands-on activities.

AP Biology

Grade Level: 11-12

Terms: 3

Prerequisites: Successful completion of Biology A/B or Chem X or Chemistry A/B



Description: Advanced Biology is a course for students with a serious interest or a career interest in the biological sciences. Advanced Biology will cover two of the three general areas of study as prescribed by the AP College Board: molecules and cells and organisms and populations. This course will be taught at a college introductory level and will include lectures, readings and discussions, and extensive AP approved laboratory opportunities. **The course will prepare students to take the AP Biology Exam in the spring.**

CIS Human Anatomy

Grade Level: 10-12

Terms: 2

Prerequisites: Successful completion of Biology or AP Biology



Description: This course covers the chemistry of life, the structure and physiology of cells and tissues, body organizations and homeostasis. The skeletal, muscular, and digestive systems are investigated along with issues such as anorexia. The sensory systems of sight and hearing, the endocrine systems as well as the respiratory system and issues related to smoking will be covered. The second term of Human Anatomy will be a continuation of the information presented during the first term. In this portion of the course the cardiovascular, digestive, endocrine, reproductive, respiratory, and immune systems will be studied. Pregnancy, fetal growth and development, sexually transmitted diseases, and reproductive technologies to treat infertility will be highlighted in this course. Continued dissection will be discussed on a weekly basis in this course. Throughout the term, a variety of guest speakers representing multiple medical fields will present information from their field of expertise. **Upon successful completion of the course, students who are eligible for college credit will earn 3 credits from St. Cloud State University. (See the CIS table for eligibility criteria).**

Chemistry

Grade Level: 10-12

Terms: 2

Prerequisites: Successful completion or concurrent enrollment in Geometry B



Description: Chemistry is the study of the material world and its changes. We will study atoms, chemical bonds, reactions, mole theory, equilibrium, and historical developments of chemical concepts. Much of the course will be based on lab investigations. This course meets the MN state graduation requirements.

Chemistry X

Grade Level: 9-11

Terms: 1

Prerequisites: Successful completion or concurrent enrollment in Geometry B.



Description: This course is a ½ credit higher paced introductory Chemistry course for students who plan to take CIS Chemistry and/or AP Biology. Topics studied will be atomic and molecular structure, bonding, writing and balancing chemical reactions, stoichiometry, and acid/base reactions. Much of the course will be based on lab investigations. This course meets *half* of the MN state graduation requirements for 1 credit in chemistry or physics.

CIS Chemistry

Grade Level: 11-12

Terms: 2 or 3

Prerequisites: Successful completion of Chem X or Chem B



Description: CIS Chemistry is a three-trimester sequence science elective intended for students who are college bound and wish to obtain a strong chemistry background. Topics include atomic structure, inorganic nomenclature, stoichiometry, reactions, thermodynamics, states of matter, solution chemistry, kinetics, equilibria, acid-base chemistry, electrochemistry, nuclear chemistry, and a brief introduction to organic chemistry. **Upon successful completion of the A and B trimesters, students who are eligible for college credit can earn 4 credits from Southwest MN State University (General Chemistry I - 3 semester credits and General Chemistry I Lab- 1 semester credit). Upon successful completion of trimester C, students who completed the 4 General Chemistry I credits can earn 5 additional credits from SMSU (General Chemistry II - 3 semester credits and General Chemistry II Lab- 2 semester credits. See the CIS table for credit eligibility criteria.**

Physics

Grade Level: 11-12

Terms: 2

Prerequisites: Algebra 2 & Trigonometry recommended



Description: Physics is the study of matter that is in motion. We will explore the forces that are involved in moving that matter and the energy that is associated with it. Hands-on activities will utilize Hot Wheels, roller coasters and various sports equipment. A field trip to an amusement park is included for real-world application. This course meets the MN state graduation requirements.

CIS Physics

Grade Level: 11-12

Terms: 2

Prerequisites: B or better in Algebra 2



Description: Fundamental principles of physics in the context of everyday world. Use of kinematics/dynamics principles and quantitative problem-solving techniques to understand natural phenomena. **Upon successful completion of the course, students who are eligible for college credit will earn 4 credits from University of Minnesota Twin Cities. (See the CIS table for eligibility criteria).**

Astronomy

Grade Level: 10-12

Terms: 1

Prerequisites: None



Description: In Astronomy we will explore the Universe. In this course students will work to solve current problems and challenges found in Astronomy. Topics will include the challenges of developing missions to nearby planetary objects, searching for planets outside of the solar system, describing how the universe is changing, and understanding electromagnetic radiation. Additional topics may be added based on student interest and current discoveries. This course will require students to be able to solve algebra-based problems.

Forensics

Grade Level: 11-12

Terms: 1

Prerequisites: Biology and Chemistry



Description: Explore the science behind evidence in this one-term elective course. Topics covered include: the history of forensic science in art/literature/popular media; physical evidence such as fibers, fingerprints, chromatography, and ballistics; biological evidence such as toxicology, blood pattern analysis, anthropology, DNA, and entomology; plus bonus topics in digital evidence, impressions, and more. You will have opportunities to explore these topics through hands-on lab activities and true-crime analysis.

Food Science

Grade Level: 10-12

Terms: 1

Prerequisites: Successful completion of or current enrollment in Chemistry



Description: In this class, students will learn about how science and food are intimately connected. Students will explore those interactions in both a lecture and culinary lab-based learning environment. The science covered in the course will be in relation to different food topics including: food safety, food ingredients, food production, and food preparation.

Social Studies

Human Geography

Grade Level: 9

Terms: 1

Prerequisites: None

Description: Students will explore the world and its people through geography. Students will understand places and regions, recognizing how power structures shape their characteristics. They will analyze human systems, examining patterns of movement and interconnectedness within cultural, economic, and political systems on local and global scales. Additionally, students will evaluate human-environment interaction, exploring the relationship between humans and the environment, including the impact of climate change. Lastly, they will investigate culture and its influence on a sense of place, gaining insight into how different cultural perspectives shape our world. Through engaging activities and discussions, students will gain a deeper understanding of the world and develop critical thinking skills to become informed global citizens.

US History

Grade Level: 10

Terms: 2

Prerequisites: None



Description: In the United States History course, students will delve into the events, ideas, and people that have profoundly influenced our nation. This comprehensive exploration will span from Colonial America through the Civil War and into 20th Century America. Throughout the course, students will place significant emphasis on analyzing primary sources, such as documents, photographs, literature, and speeches. By engaging with these primary sources, students will develop critical thinking skills and gain a deeper understanding of historical events. Additionally, the course will focus on honing written expression skills, particularly in the development of well-crafted theses and the effective use of supporting evidence. Ultimately, this course aims to empower students to become critical thinkers and globally minded citizens.

CIS US History (meets US History requirement)

Grade Level: 10

Terms: 2

Prerequisites: English 9 with an A or teacher recommendation



Description: This course focuses on the major cultural, social and political issues in United States History. The first quarter will look at the ideas that led to the American Revolution, how the 13 Colonies rose to power against the British, the consequences of the slave culture in America, the Civil War and the promises and failures of Reconstruction and rebuilding our nation after the Civil War. The second quarter will look at the influence of the Industrial Revolution, the impact of immigration, the rise of organized labor, the Great Depression, World War II, the Cold War and the global fight between communism and democracy. Lastly, the course will conclude with a look at the fight for racial and economic equality during the Civil Rights Movement. The students will gain insight into the aspects that are the most crucial for a solid understanding of the nation's history and build skills that will help them be successful at the college level. Significant reading and writing are involved in this course. **Upon successful completion of the course, students who are eligible or college credit will earn 3 credits from North Hennepin Community College. (See the CIS table for eligibility criteria).**

World History

Grade Level: 11

Terms: 2

Prerequisites: None



Description: This course will provide 11th-grade students with the opportunity to explore a diverse range of topics in world history, geography, and cultures. From ancient civilizations to modern-day events and places around the globe, students will delve into the fascinating stories and developments that have shaped our world. Throughout the course, students will examine key themes such as globalization, revolutions, civilizations, diverse perspectives, social movements, imperialism, technology innovations, and human rights. By engaging with these themes, students will develop critical thinking skills and cultivate a global mindset, preparing them to become informed and empathetic citizens of the world.

CIS World History (meets World History requirement)

Grade Level: 11

Terms: 2

Prerequisites: None



Description: World history is transregional, transnational, and transcultural. This course examines historical connections from pre-history to current events. Students will be asked to examine history from diverse perspectives and common historical themes. As a class, we will examine history by looking at the big picture; focusing on cultural interchange and comparative history. This course involves significant reading and writing assignments. CIS World History meets the World Studies requirement for graduation. **Upon successful completion of the course, students who are eligible for college credit will earn 3 credits from North Hennepin Community College. (See the CIS table for eligibility criteria).**

Government & Citizenship

*Due to course realignment, this class will be offered again in 2026-27

Grade Level: 11 or 12

Terms: 1

Prerequisites: None



Description: Students will explore the crucial role that citizens play in a democratic society. Through engaging lessons and activities, students will gain a deep understanding of the decision-making process and its impact on society. The course integrates current political and social issues, providing students with opportunities to analyze and discuss real-world events. Students will also dive into the structures of national, state, and local government, exploring the functions and powers of each branch. Additionally, the course will cover contemporary constitutional issues, fostering critical thinking and informed discussions. Throughout the course, students will examine their responsibilities as citizens both locally and globally, emphasizing the importance of active participation and informed decision-making.

Economics (may be available as a hybrid)

Grade Level: 12 (grade 11 by special circumstance)

Terms: 1

Prerequisites: None



Description: Students will explore the field of decision making. The course covers fundamental economic concepts, microeconomics, macroeconomics, globalization, and personal finance. We will analyze decision making by individuals, households, and businesses, and compare different economic systems, focusing on America's mixed economic system. We will also examine our economy as a whole and its interactions with other global economies. Students will develop critical thinking skills and apply economic concepts to real-world scenarios, becoming informed decision makers and responsible citizens locally and globally.

Psychology A (may be available as a hybrid)

Grade Level: 11-12

Terms: 1

Prerequisites: None



Description: This course will introduce students to the interesting world of psychology. We will cover the history of psychology, how the brain affects behavior, mental illnesses, and deviant behavior. Students will also learn about why we dream and the reasons we experience different emotions. It will help students to apply their knowledge of psychology into understanding and improving themselves.

Psychology B (may be available as a hybrid)

Grade Level: 11-12

Terms: 1

Prerequisites: Psychology A



Description: This is an application class that allows students to further explore the world of psychology with a more "hands-on approach". In this class we look at things such as how your personality is developed, where does your intelligence come from, and social psychology. Students participate in activities that allow them to use their psychology experiences on a daily basis and conduct various psychological experiments and observations. Students will create and conduct their own experiment on a chosen psychological topic.

CIS Intro to Psychology

Grade Level: 11-12

Terms: 2

Prerequisites: You will be automatically approved if you are in the top 20% of your class and eligible for consideration if you are in the top 50%.

Description: The course will cover the principles, organization, processes, and functions of Psychology. Term one will focus on history of psychology, biology of addiction, memory, and intelligence. Term two will focus on sleep and dreams, motivation & emotions, personality, child development, and abnormal psychology. **Upon successful completion of the course, students who are eligible for college credit will earn 3 credits from Southwest MN State University. (See the CIS table for eligibility criteria.)**



Social Issues & Diversity

Grade Level: 11-12

Terms: 1

Prerequisites: None

Description: This course will address some of the contemporary issues and controversies in society. Students will be exposed to the sociology perspective to develop an understanding of issues related to inequality, deviance and the justice system, sexuality, drugs, mental and physical health, and the environment. A special focus of the course will be the American experience for minorities in society related to the issues and controversies studied in class.



CIS Intro to Sociology

Grade Level: 11-12

Terms: 1

Prerequisites: None

Description: Sociology is the study of human society focusing on the social and cultural aspects of human behavior. Students will analyze society through the sociological perspective, which looks for general patterns and behaviors of a particular group. Topics include society and culture, roles and norms, groups and organizations, deviance, inequality, social and cultural change, and research methods. This course is designed by North Hennepin Community College taught by BHS teachers. The rigor and assessments will align with the corresponding class taught at NHCC. **Upon successful completion of the course, students who are eligible for college credit will earn 3 credits from North Hennepin Community College. (See the CIS table for eligibility criteria.)**



Current Events

Grade Level: 9-12

Terms: 1

Prerequisites: None

Description: This course will be a reading and writing intensive course where students will be challenged to investigate, analyze, and interpret events, issues, and controversies that our country faces on a daily basis. Students will participate in debates, mock cabinet meetings, and news broadcasts to gain a deeper understanding of how daily events and broader issues impact our shared society which will help them grow into engaged and informed future citizens.



Minnesota History

Grade Level: 9-10

Terms: 1

Prerequisites: None

Description: Designed as a one term elective for 9th and 10th grade students, Minnesota History explores the geography, history, politics and ethnic culture of our state. We will look at the origins of the fur trade and the treatment of Indigenous People. We will study the Three Frontiers of our state which are lumbering, farming and mining. As a class we will explore the 87 counties. There is also a book we will use to explore the Boundary Waters Canoe Area and the history of this beautiful region. We will use a variety of resources to gather our information including the Minnesota Historical Society website. We will use readings, maps, puzzles and videos to reinforce our learning.



World Religions

Grade Level: 9-12

Terms: 1

Prerequisites: None

Description: Ever wonder what karma, nirvana, yin and yang, jihad, kosher, and the holy trinity really are? What do they have in common? Find out in this class! This class provides an introduction to some of the world's major religions. Some religions might be familiar, some strange and some you may never have heard about. Students direct much of the specific content. Readings, speakers from the various traditions, and class discussions will be used to explore questions common to the human experience. We will also take a field trip to significant locations to various religions in the metro area. This course will teach the history and practices *about* the major religions of the world, not promote or celebrate one religion over another. Join this course and learn about the diverse spiritual paths humanity has taken.



History Through Film

Grade Level: 9-12

Terms: 1

Prerequisites: None



Description: Lights, camera, history! Students will dive into the past through the lens of cinema. We will explore different historical topics as we dissect films based on true stories. Along the way, we'll dig deeper with primary sources that relate to each film and engage in film circle discussions. Students will demonstrate their new skills with a midterm film analysis paper and an original final film pitch project. By examining historical films students will not only gain a deeper appreciation for the magic of cinema but also develop the skills needed for future college film course electives.

Technology Education

Energy Power Transportation

Grade Level: 9-12

Terms: 1

Prerequisites: None



Description: MORE POWER! This class explores the technical processes, applications, and impacts of energy and power. You will also learn about the four main classes of transportation (land, air, water, space). Some of the activities included are solar cars, rockets, powerboats, sailboats, gliders, and CO₂ dragsters.

Automotive Engineering and Design

Grade Level: 9-12

Terms: 1

Prerequisites: None



Description: START YOUR ENGINES! Do you want to learn more about America's fastest growing sport of auto racing? This is the class for you. This class will teach you that racing is more than a bunch of cars going around in a circle. You will follow the design and mechanics of a racecar from behind the pit-walls to the checkered flag at the finish line.

CIS Auto Service & Maintenance

Grade Level: 10-12

Terms: 1

Prerequisites: None



Description: Most of you will have your driver's license when you graduate. As a driver, you should know the simple maintenance and upkeep of your vehicle. The field of auto mechanics is a growing field. This class will be a good class for you to see if you are interested in being an auto mechanic. This class won't make you an expert in the field of auto mechanics, but it will make you more informed on how to maintain your vehicle. This class will also make you a better consumer when looking at buying and selling vehicles. **(If you have taken WTC-Auto Technology, do not sign up for this class.)** All students with a car available are strongly encouraged to bring their car in to perform routine service and maintenance checks. However, students must then provide any parts/fluids needed to perform service/repair. Upon successful completion of the course, students who are eligible for college credit will earn 2 credits from Hennepin Technical College. (See the CIS table for eligibility criteria)

Intro to CAD (Computer Aided Drafting)

Grade Level: 9-12

Terms: 1

Prerequisites: None



Description: This class is designed to expose students to a variety of design and drafting techniques utilizing the computer. Emphasis is placed on the design process with respect to the areas of mechanical and architectural designs. Students also participate in a group activity in which they produce a model using the laser cutter.

Architectural (House) Drawing

Grade Level: 10-12

Terms: 1

Prerequisites: Introduction to CAD



Description: Is it fantasy or is it real? If you can imagine it; you can build it here. Enroll into Architectural Drawing to refine your drafting skills in the area of house building. Students will draw several models of houses including a rambler, split entry, 2-story, and a lake cabin. This software allows the user to tour the house in 3-D. Finally, students build the terrain around the house which includes the driveway, sidewalks, retaining walls, patios, and decks.

CIS 3-D Mechanical Drawing

Grade Level: 10-12

Terms: 1

Prerequisites: Introduction to CAD



Description: Students who enjoyed working with AutoCAD in Introduction to CAD will find this class entertaining. Students will use a 3-Dimensional software called CREO to draw mechanical objects in 3-D. Students will learn how to draw exploded views, threaded bolts, and much more. Students will also produce actual models of their drawings using the laser and the 3-D printer. **Upon successful completion of the course, students who are eligible for college credit will earn 4 credits from Hennepin Technical College. (See the CIS table for eligibility criteria)**

CIS Competitive Engineering

Grade Level: 10-12

Terms: 2

Prerequisites: None



Description: This class is for students who are creative, thinking about becoming engineers, or like to work with their hands. Students have to find creative solutions to problems they're given in class. Students will compete directly with classmates to see who developed the best solution to the given problem. Examples of problems are catching eggs using only cardboard and duct tape, building a catapult, and making a "wire racer". If it sounds fun and interesting...it is! Students will follow a research and development process for solving the problems. Students keep a daily journal but do **not** write research papers. **Upon successful completion of the course, students who are eligible for college credit will earn 3 credits from Hennepin Technical College. (See the CIS table for eligibility criteria)**

Technology Exploration

Grade Level: 9-12

Terms: 1 or 2

Prerequisites: None



Description: This class, in which you explore a wide variety of technologies, is freshly updated with new equipment and curriculum. The class offers students hands on opportunities to design and create a variety of projects including vinyl decals, videos/animations, 3d printed designs, robots, t-shirts, and more. Technologies included are: Computer Graphics, Digital Photography, CNC Machining, Computer Animation, Digital Video, Digital Audio, Electronics Kits, Robotics, CAD/3D Modeling, 3D printing, Laser Engraving, Vinyl Cutting, and Bridge Design/Construction. Students also complete technological problem-solving/design projects during the course. This class is designed to allow students to take it for two terms in the same year or different years. **Please note:** There will be some fees charged for materials.

Intro to Digital Photography/Video

Grade Level: 10-12

Terms: 1

Prerequisites: None



Description: Interested in computer graphics, digital photography/imagery, and digital video? Then this is the class for you! This class offers the opportunity to: produce photo collages/montages from scanned & digital photos, produce digital video projects, and produce color page layouts. During the production

process students will learn how to put together interesting and creative photo and video projects by adding cool effects. Students will learn to use a few different software programs and have the opportunity to work with a variety of photo and video equipment. This is a fun class that allows you to be creative.

Electricity/Electronics

Grade Level: 9-12

Terms: 1

Prerequisites: None



Description: In this course you will be given a chance to explore the world of electronics. If you have ever taken apart something electronic and asked yourself, "How does this work?", this is the class for you. The class will work on all types of electrical circuits, from simple series circuits to higher end combination circuits. This class will involve the use of some algebra. Once all the circuit work is done, it's time to construct electronic devices including electric motors and speakers. Students will also complete a variety of experiments using soldering and electronic kits.

Wood Technology

Grade Level: 9-12

Terms: 1

Prerequisites: None



Description: No experience is necessary to apply! Students will build one of two pre-assigned projects developed by the instructor. Students will learn about measurement, drafting and scaling, calculating board feet, and producing a bill of materials for their project. Safety is taught before students can begin working with the machinery including a table saw, radial arm saw, power miter saw, router, jointer, Time Saver sander, and more. **Please note:** if a student chooses option two of the pre-assigned projects, there will be a charge for the extra materials.

CIS Wood Technology 2

Grade Level: 10-12

Terms: 1

Prerequisites: Wood Technology



Description: For those of you who enjoyed working with your hands in Wood Technology, this class is for you. Students will build a pre-assigned project. Woods II will continue to teach you skills that will make you a better craftsman with your hands. **Please note,** students are responsible for their extra material. **Upon successful completion of the course, students who are eligible for college credit will earn 2 credits from Hennepin Technical College. (See the CIS table for eligibility criteria).**

CIS Wood Technology 3

Grade Level: 10-12

Terms: 1

Prerequisites: CIS Woods 2



Description: Why stop at two? Go for three. Students will be able to continue developing craft and building skills. Students will build a pre-assigned project. **Upon successful completion of the course, students who are eligible for college credit will earn 3 credits from St. Cloud State University.** (See the CIS table for eligibility criteria)

Robotics

Grade Level: 9-12

Terms: 1

Prerequisites: None



Description: This curriculum leverages the “coolness” of robotics and the excitement of head-to-head competition to inspire and engage students. During this class students will learn key STEM principles and robotics concepts. At the culmination of this class, students will compete head-to-head against their peers in the classroom on a class designed competition. This modular and project-based curriculum teaches the design process in an engaging, hands-on manner to help challenge, motivate, and inspire students. The curriculum is created to ensure that students with varying learning styles and levels can accomplish the lesson goals. **No prior robotics experience is required.** Beginners are able to advance sequentially through the units to gradually increase their knowledge and skill level.

Robotics 2

Grade Level: 9-12

Terms: 1

Prerequisites: Successful completion of Robotics with a B or higher



Description: This class allows for more fun as you expand upon the knowledge learned in Robotics. This is especially for students who desire additional knowledge and challenges involving robotics. Students will learn and apply physics principles such as speed, torque, angular velocity, linear motion, gear ratio, friction, and acceleration as they relate to robotics. Students will also add a variety of sensors and switches to their robot allowing it to accomplish various challenges where it can interpret its own environment. The course will end with some advanced robotic challenges.

Intro to Welding

Grade Level: 9-12

Terms: 1

Prerequisites: None



Description: Basic welding skills will be taught with emphasis in the welding areas of TIG, MIG, and ARC. A variety of assignments in welding such as butt, “Tee,” and lap will be done throughout the term. This course stresses exploration. ***Students who have taken Machine Trades or Welding at WTC or Intro to Metals are not eligible.***

Sheet Metal Fabrication

Grade Level: 9-12

Terms: 1

Prerequisites: None



Description: Do you like working with metal? Have you ever looked at something made out of metal and wondered, “How did they make this?” This class is designed to show the different metal fabrication processes used in today's world. ***Students who have taken Metal Fabrication should not take this class***

World Language

Intro to World Languages

Grade Level: 9-12

Terms: 1

Prerequisites: None



Description: In this class students will get the opportunity to explore some of the vocabulary and cultural aspects of the three languages offered at BHS. This course will also explore the meaning of culture through language in a society. This would be a good option for a younger student who is undecided on which language they wish to take. It could also be an option for an older student that has already successfully taken a world language, and would like to learn a little more of each of our languages, but doesn't have the schedule flexibility to have a full semester. This study of language and culture may include, but not be limited to, music, food, dress, traditions, and celebrations. Languages covered are: Spanish, French, German. **Any student who took this class at BCMS, should not register for this course.**

French 1, German 1, or Spanish 1

Grade Level: 9-12

Terms: 2

Prerequisites: None



Description: Level 1 will introduce students to the basic aspects of culture, language and geography. Students practice the four language learning skills: speaking, listening, reading, and writing. In level I their writing skills focus on spelling and simple sentence structure, whereas their listening and speaking focus is on basic conversational skills and pronunciation. Students read to comprehend elementary texts. Additionally, cultural aspects like customs, traditional food, school, family and holidays are addressed. By the end of this level a student should be able to participate in simple conversation and understand simple spoken and written materials. This course is designed for all students in grades 9-12. This is a rigorous class, which requires students to do work daily outside of the classroom.

French 2, German 2, or Spanish 2

Grade Level: 9-12

Terms: 2

Prerequisites: Successful completion of Level 1 with a C or above



Description: This course is a continuation of Level 1, building listening, speaking, reading and writing skills. Student capability becomes more sophisticated as more advanced grammar concepts, like verb tenses, and vocabulary are learned. Emphasis is put on writing and conversational abilities. Students use the target language to express themselves through dialogues, skits, readings and projects. Culture, geography and history studies continue to be an important part of world language.

French 3, German 3, or Spanish 3

Grade Level: 10-12

Terms: 2

Prerequisites: Successful completion of Level 2 with a C or above.



Description: This level further prepares students to communicate with native speakers. Students work on advanced composition and conversation, as well as reading authentic materials, like newspapers, magazines, short stories and poetry. Students polish and expand their use of the target language in varied situations and through a variety of activities, including reports, journals, dialogues and skits. Emphasis is on accurate self-expression in the target language. Upon successful completion of this course students are prepared to continue language learning at a college level.

CIS French 4

Grade Level: 10-12 for BHS credit and 11-12 for UMN credit

Terms: 2

Prerequisites for BHS: Successful completion of Level 3 with a C or above

Prerequisites for UMN: Successful completion of Level 3 with a B or above, and in the top 30% of your class (top 50% will be eligible for consideration)



Description: This course is a review of French skills gathered in levels one, two and three. A comfortable and confident understanding of grammar and concepts is necessary. Through the use of authentic readings, written and oral assignments, students are challenged to increase their accuracy in French.

Upon successful completion of the course, students who are eligible for college credit will earn 5 credits from University of Minnesota Twin Cities. (See the CIS table for eligibility criteria.)

CIS German 4

Grade Level: 10-12 for BHS credit and 11-12 for UMN credit



Terms: 2

Prerequisites for BHS: Successful completion of Level 3 with a C or above

Prerequisites for UMN: Successful completion of Level 3 with a B or above, and in the top 30% of your class (top 50% will be eligible for consideration)

Description: This course is a review of all grammar skills and vocabulary. A solid understanding of the concepts and vocabulary introduced in the first three levels of German is necessary. Students will be challenged through authentic texts and will be required to use the language with an increasing level of grammatical accuracy in speaking and writing assignments. **Upon successful completion of the course, students who are eligible for college credit will earn 5 credits from University of Minnesota Twin Cities.** (See the CIS table for eligibility criteria.)

CIS Spanish 4

Grade Level: 10-12 for BHS credit and 11-12 for UMN credit



Terms: 2

Prerequisites for BHS: Successful completion of Level 3 with a C or above

Prerequisites for UMN: Successful completion of Level 3 with a B or above, and in the top 30% of your class (top 50% will be eligible for consideration)

Description: This is the first intermediate Spanish course offered at BHS from the University of Minnesota. Conversation in Spanish is based on themes. Focal points of art, music and literature offer forums to discuss storytelling, issues of environment, human rights, and relationships. Compositions from students fuel ideas for round table discussion. **Upon successful completion of the course, students who are eligible for college credit will earn 5 credits from University of Minnesota Twin Cities.** (See the CIS table for eligibility criteria.)

CIS French 5

Grade Level: 11-12

Terms: 1



Prerequisites for BHS: Successful completion of Level 4 with a C or above.

Prerequisites for U of M: Successful completion of Level 4 with a B or above, and in the top 30% of your class (top 50% will be eligible for consideration)

Description: Level 5 is a continuation of Level 4 offered through the University of Minnesota. It is comprehensive

review of past grammar, communicative topics, and cultural discussions. Topics are more challenging and students are expected to communicate and understand the language at a more advanced level. Upon successful completion of this course, students will have fulfilled their entire language requirement at the University of Minnesota. **Upon successful completion of the course, students who are eligible for college credit will earn 5 credits from University of Minnesota Twin Cities.** (See the CIS table for eligibility criteria)

CIS German 5

Grade Level: 11-12

Terms: 1



Prerequisites for BHS: Successful completion of Level 4 with a C or above.

Prerequisites for U of M: Successful completion of Level 4 with a B or above, and in the top 30% of your class (top 50% will be eligible for consideration)

Description: This course is the highest level of second language learning available at BHS. It is a review and practice of all past grammatical and communicative processes and also an introduction of sophisticated concepts. Topics are more challenging and abstract as students learn to express themselves through speaking and writing and understand meaning from written and spoken language at a more advanced level. Upon successful completion of this course, students will have successfully fulfilled their entire language requirement at the University of Minnesota. **Upon successful completion of the course, students who are eligible for college credit will earn 5 credits from University of MN Twin Cities.** (See the CIS table for eligibility criteria)

CIS Spanish 5

Grade Level: 11-12

Terms: 1



Prerequisites for BHS: Successful completion of Level 4 with a C or above.

Prerequisites for U of M: Successful completion of Level 4 with a B or above, and in the top 30% of your class (top 50% will be eligible for consideration)

Description: The most advanced offering of Spanish offers more opportunity for thematic discussion. Students uncover cultural topics through conversation regarding art, music and literature. Debates, compositions and round table discussions stem from topics such as diversity, culinary arts, economy, and the 21st century. **Upon successful completion of the course, students who are eligible for college credit will earn 5 credits from University of Minnesota Twin Cities.** (See the CIS table for eligibility criteria.)

Wright Technical Center

CAREER & TECHNICAL EDUCATION PROGRAMS

Grade: 11-12

The Wright Technical Center provides advanced career and technical programs to area high school juniors and seniors. Each WTC course meets local high school graduation requirements and students may be able to earn post-secondary college credit

Automotive Technology

Grade Level: 11-12

Terms: 3

Prerequisites: None



Description: The Automotive Technology program offers students an opportunity to train in a state of the art, industry equipped automotive shop. Time will be divided between classroom instruction and hands-on training in the shop using professional tools and equipment. All classroom and shop instruction is provided by industry certified ASE technicians. This is a rigorous course, taught at an introductory college level.

Second year opportunities are available to continue your training. Students must be able to work independently, maintain a "B" or above grade and have the approval of the instructor to participate. All second-year students will take the ASE Student Certification test, which is the first step in building a career as a service professional in the automotive industry.

College Credit Opportunities & Professional Certifications: In the Automotive Technology course, you can earn ASE certifications and college credits. Students will need to earn a "B" or better grade in their course work. College credits are available at the following schools: Anoka Technical College, Dunwoody College of Technology, Hennepin Technical College, Minnesota West Community & Technical College, Ridgewater College, Rochester Community & Technical College, South Central College, St. Cloud State University, St. Cloud Technical & Community College and Universal Technical Institute.

Construction Technology

Grade Level: 11-12

Terms: 3

Prerequisites: None



Description: Students who enroll in the Construction Technology course will become

members of the construction crew, which builds a house from layout and framing, to final trim work. You may assist in the construction of various school and community projects based on current industry standards and practices. You will also develop skills using carpenter's hand tools, and stationary and portable tools used in the construction industry.

Second year opportunities are available to continue your training. Students must be able to work independently, maintain a "B" or above grade and have the approval of the instructor to participate.

College Credit Opportunities: College credits and/or apprenticeship hours can be earned with a "B" or better average in the course at the following schools: Anoka Technical College, Hennepin Technical College, Ridgewater College, Rochester Community & Technical College, South Central College, St. Cloud Technical & Community College and St. Cloud State University.

Cosmetology Careers

Grade Level: 11-12

Terms: 3

Prerequisites: None



Description: The Cosmetology Careers course introduces students to the professional beauty industry. As a cosmetology student you will study the basic laws & rules of Minnesota and practice hands-on skills in a modern salon setting. You will also explore the various career opportunities available in the Cosmetology field. There is a required non-refundable fee of **\$50** for the purchase of your own manikin head.

College Credit Opportunities: College credits and/or hours can be transferred to the following Cosmetology colleges: Aveda Arts & Sciences Institute, Atelier Academy of Beauty, Empire Schools, Model College of Hair Design, PCI Academy and Ridgewater College. Esthetician colleges: The Institute of Advanced Aesthetics & The MedSpa Institute of America.

Creating Entrepreneurial Opportunities

(CEO) *Offered Mornings only – 7:30-8:50 am

Grade Level: 11-12

Terms: 3

Prerequisites: None



Description: Would you like to own your own business someday? If so, then this is the class for you! You will attend class every day onsite at one of the dozens of businesses you will tour. You will learn from the owners and entrepreneurs who started these businesses. They will give you helpful advice when starting your own business. This year-long class is a commitment, but if you are willing to challenge yourself, the experience will be amazing.

Students must apply for acceptance into this program as class size is limited to 20 students. Applications are available at WrightTechCEO.com/ApplyNow or in the student services office.

Early Childhood & Elementary Careers

Grade Level: 11-12

Terms: 3

Prerequisites: None



Description: If you enjoy working with young children and are considering a career in teaching, social work, or child psychology, enroll in Early Childhood and Elementary Careers. You'll be able to put your classroom knowledge to work by having hands-on experiences with the preschool children in the Head Start classroom. Internships are also required in community-based day care centers, Head Start programs, special education programs and elementary schools.

Second year opportunities are available to continue your training. Students must be able to work independently, maintain a "B" or above grade and have the approval of the instructor to participate.

Child Development Associate (CDA) National Certification Opportunity: Motivated students have the opportunity to work on attaining a CDA certification under the guidance of the ECEC & Youth Apprenticeship Instructors.

College Credit Opportunities: College credits can also be earned if you maintain a "B" or above grade in the class. Credits are available from the following schools: Central Lakes College, Hennepin Technical College, Ridgewater College, St. Cloud Technical & Community College and St. Paul College.

Graphic Communications

Grade Level: 11-12

Terms: 3

Prerequisites: None



Description: This course is designed to give the students an overview of the graphic communications industry. You will develop and enhance your creative skills and artwork through visual presentations. You will complete projects which simulate industry standards. You will gain entry-level knowledge and skills required of this fast-paced graphic industry. Throughout the class, you will have the opportunity to participate in field trips, industry tours and hear from classroom guest speakers.

Second year opportunities are available to continue your training. Students must be able to work independently, maintain a "B" or above grade and have the approval of the instructor to participate.

College Credit Opportunities: College credits can also be earned if you maintain a "B" or better grade at the following schools: Central Lakes College, Dunwoody College of Technology, Hennepin Technical College, Ridgewater College, and South-Central College.

Heavy Equipment Operations & Maintenance

*Offered mornings only – 7:55 – 9:20 am

Grade Level: 11-12

Terms: 3

Prerequisites: None



Description: This hybrid course is an introduction to the Heavy Equipment Operations and Maintenance industry. Students will utilize online learning, supplemented by hands-on activities, heavy equipment simulators, industry tours and career speakers.

College Credit Opportunities: College credits can also be earned if you maintain a B or above grade at the following schools: Central Lakes College & North Hennepin Community College

Health Science Technology & Nursing Assistant

Grade Level: 11-12

Terms: 3

Prerequisites: None



Description: The Health Science Technology course is an excellent foundation for all students interested in entering the medical profession. You will explore a wide variety of medical careers through research, guest speakers, and field trips. You will learn over 350 medical terms, study anatomy & physiology, and practice with medical equipment; such as automated external defibrillators (AEDs), stethoscopes, sphygmomanometers, plus many more. After completing the course, you will be eligible to take the state test to become a Nursing Assistant.

You will perform hands-on medical skills in simulated hospital rooms. After completing the medical skills, you will have an opportunity to participate in an on-the-job training at a local nursing home. You will be studying the MN Dept. of Health Nursing Assistant Curriculum which will prepare you for the state Nursing Assistant exam.

College Credit & Certification Opportunities: Students can earn up to nine college credits and are available through the following schools: Anoka-Ramsey Community College, Anoka Technical College, Central Lakes College, Hennepin Technical College, Normandale Community College, Rochester Technical & Community College, Southeast Technical College, St. Cloud Technical & Community College, and most other MN Colleges & Universities. Students will have the opportunity to take the state examination to become a licensed certified nursing assistant registered (NAR).

Law Enforcement/Emergency Medical Responder

Grade Level: 11-12

Terms: 3

Prerequisites: None



Description: In the Law Enforcement and Emergency Medical Responder course, you will receive academic instruction with hands-on training needed to develop the knowledge and skills for a future career in the criminal justice field or as a professional rescuer. Guest speakers, discussions, demonstrations, lectures, role-playing and practical exercises are just some of the activities that will allow you to better understand the various training procedures used by law enforcement and emergency medical responder professionals.

Second year opportunities are available to continue your training. Students must be able to work independently, maintain a “B” or above grade and have the approval of the instructor to participate.

College Credit Opportunities: College credits can also be earned if you maintain a B or above grade at the following schools: Alexandria Technical & Community College, Hibbing Technical College and Riverland Community College.

Welding Technology

Grade Level: 11-12

Terms: 3

Prerequisites: None



Description: In the Welding Technology course, you will be introduced to the advanced world of welding. This hands-on course will focus on the various welding processes used in today’s industries. You will learn to weld mild carbon steel, stainless steels, alloy steels and non-ferrous metals. You will have the opportunity to demonstrate your welding skills by completing individual projects. Students will use state of the art equipment to work towards completing certification tests to qualify for opportunities in industry as well as college credit. It is recommended that each student purchase his/her own welding leathers, gloves, safety glasses and welding helmet at an approximate cost of \$80.

Second year opportunities are available to continue your training. Students must be able to work independently, maintain a “B” or above grade & have approval of the instructor to participate.

College Credit Opportunities: College credits can also be earned if you maintain a “B” or above grade in the course. Credits are available from the following schools: Anoka Technical College, Central Lakes College, St. Cloud State University, Ridgewater College and St. Cloud Technical & Community College.

Youth Apprenticeship (YA)

**Fifth Block Only*

Grade Level: 11-12

Terms: 3

Prerequisites: None



Description: Youth Apprenticeship integrates school and work-based learning to instruct students in program area employability and occupational skills. Students will follow program area training guidelines, endorsed by business and industry. Students earn academic credit to meet graduation requirements. Students are employed by a participating employer and are supervised by a skilled mentor. Students obtain Youth Apprenticeship Certification once they achieve the required competency levels for the program; pass all required courses; and work a minimum number of hours (450 hours/year). Availability of Youth Apprenticeship placements is dependent upon local employer needs. Contact your high school counselor for additional details.

Program Requirements. Each student must agree to:

- Attend monthly meeting with YA Coordinator
- Verify hours worked with copies of paystubs from employer
- Complete workplace training and abide by all employer safety and work policies, and procedures
- Communicate with instructor prior to any changes in employment while enrolled in course