

# **BUFFALO HIGH SCHOOL REGISTRATION GUIDE**

**2020-2021**





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## GRADUATION REQUIREMENTS

### BHS REQUIRES 30 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 and 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 9
	1 credit	American History 10
	1 credit	World Studies 11
	1/2 credit	Economics
The Arts	1 credit	<b>ALL Art, Music &amp; Dance Courses</b> Acting I - The Physical Actor Acting I - The Vocal Actor Acting II – Integration of Voice & Body Apps for Web Design Photoshop Editing & Design Illustrations & Animation Computer Graphics II (Photoshop or Illustrator) Visual Technology Video & Multimedia Productions
Physical Education	1 credit	Physical Education 9
	1/2 credit	Physical Education 10 Elective Course (students choose from a menu of options)
Health	1/2 credit	Health 10
Remaining Course Credits	13.5 credits	Chosen Courses
<b>Total</b>	<b>30 credits</b>	

## **ADVANCED PLACEMENT (AP) COURSES**

AP Calculus A/B  
AP Music Theory

AP Calculus B/C  
AP Computer Science A

## **POST SECONDARY ENROLLMENT OPTIONS ACT (PSEO)**

Public school 10<sup>th</sup>, 11<sup>th</sup> and 12<sup>th</sup> 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 10<sup>th</sup>, 11<sup>th</sup> and 12<sup>th</sup> 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. See your counselor for more information.

## **MINIMAL 4-YEAR COLLEGE ADMISSION RECOMMENDATIONS**

<b>English:</b>	4 years (8 terms)	Composition, Literature, Speech
<b>Math:</b>	3 years (6 terms) total	2 years (4 terms) of Algebra, including Algebra 2, 1 year (2 terms) of Geometry
<b>Science:</b>	3 years (6 terms) total	1 year (2 terms) each of a biological science and a physical science and all 3 courses with lab experience.
<b>Social Sciences:</b>	3 years (6 terms) total	1 year (2 terms) U.S. History, along with other courses in the social sciences.
<b>The Arts:</b>	1 year (2 terms)	
<b>World Language:</b>	2 years (4 terms) of a single world language.	

## **OFFICIAL HIGH SCHOOL TRANSCRIPTS**

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

**Register for your free account at: [www.parchment.com](http://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 \$3-4.
- 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](http://www.onestop.umn.edu)

SCSU [www.stcloudstate.edu](http://www.stcloudstate.edu)

Southwest State [www.smsu.edu](http://www.smsu.edu)

North Hennepin Community College [www.nhcc.edu](http://www.nhcc.edu)

Hennepin Technical College [www.hennepintech.edu](http://www.hennepintech.edu)

## ATHLETIC ELIGIBILITY COLLEGE-BOUND STUDENT ATHLETE FOR DIVISION I OR II & 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.

### REGISTRATION PROCESS

Eligibility materials are available on the website <http://www.eligibilitycenter.org>. The Eligibility Center maintains and processes all of the initial-eligibility certifications. Complete the online form at the website listed above or call the NCAA publications hotline at 800-638-3731 for a free copy of the Guide for the College-Bound Student-Athlete which contains the registration forms and a Eligibility brochure. This guide can also be viewed online in the Student-Athlete Eligibility and recruiting section of the web site or on the link below under Resources.

\*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/NCAA INITIAL-ELIGIBILITY CLEARINGHOUSE

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, foreign language, comparative religion or philosophy.
- 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.

#### 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, foreign language, comparative religion or philosophy)
- Earn a core-course GPA of at least 2.20 for full qualifier/2.0 for partial qualifier.
- Earn the ACT/SAT score matching your core-course GPA on the Division II full qualifier sliding scale.
- Graduate from high school.

## ATHLETIC ELIGIBILITY COLLEGE-BOUND STUDENT-ATHLETE FOR TWO-YEAR COLLEGE

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 <http://www.njcaa.org/>

# **NCAA APPROVED CORE CLASSES**

## **English**

English 9  
Enriched English 9  
Quest English 9  
Arts Infused English 9  
Arts Infused English 10  
Arts Infused World Literature  
AVID English 9  
English 10  
Enriched English 10  
Integrated English 10  
Classic Novel  
Contemporary Literature  
American Literature & Composition  
CIS Intro to Literature  
CIS Public Speaking  
CIS Writing & Critical Reading  
eCIS Writing Tools/Studio  
College Prep Writing  
Creative Writing I  
Creative Writing II  
Journalism I  
Journalism II  
Short Stories Seminar  
Speech Communication  
Women in Literature  
College Prep Public Speaking

## **Math**

Geometry  
Algebra 2  
Quest Algebra 2  
Quest Algebra 2/Trigonometry  
Trigonometry  
Statistics  
Algebra 3/Trigonometry  
Pre-Calculus  
CIS College Algebra  
CIS Finite Math  
CIS Statistics  
AP Calculus AB  
AP Calculus BC  
AP Computer Science A

## **Science**

Science 9  
Enriched Science 9  
Arts Infused Physical Science 9  
Biology  
Advanced Biology  
Arts Infused Biology  
Biotechnology  
Chemistry  
Arts Infused Chemistry 11  
Physics  
CIS Chemistry I  
CIS Chemistry II  
CIS Human Anatomy  
Astronomy  
Meteorology

## **Social Studies**

American Experience  
Enriched American Experience  
American Government  
Enriched American Government  
Arts Infused American Government  
American History  
Arts Infused American History  
CIS US History  
World Studies  
Arts Infused World Studies  
AVID World Studies  
CIS World History  
Economics  
CIS Intro to Economics  
Psychology  
CIS Intro to Psychology 101  
CIS Intro to Psychology 102  
CIS Sociology  
World Religions  
Social Issues & Diversity

## **Elective**

French I, II, III, IV  
German I, II, III, IV, V  
Spanish I, II, III, IV, V

## CIS (Concurrent Enrollment) Courses- 2020-21

**\*\* Courses that are in BOLD have a prerequisite course. Check the course description for more info.\*\***

COURSE	PARTNER	COLLEGE COURSE	CREDIT	ELIGIBILITY
<b>University of MN courses are open to students based on the following eligibility:</b>				
<b>CIS Animal Science</b>	U of MN Twin Cities	ANSC 1101	4	Sophomore Top 20% Jrs & Srs Top 50%
CIS Writing & Critical Reading	U of MN Twin Cities	WRIT 1301	4	Seniors Top 20%
eCIS Writing Studio	U of MN Twin Cities	WRIT 1201	4	Juniors Top 20% Seniors Top 50% & Pass Reading MCA
CIS Intro to Literature	U of MN Twin Cities	ENGL 1001W	4	Jrs & Srs Top 30%
<b>CIS French IV &amp; V</b> Top 50% Eligible for Consideration	U of MN Twin Cities	FREN 1003 FREN 1004	5	Jrs & Srs Top 30% B or higher in prior level
<b>CIS German IV &amp; V</b> Top 50% Eligible for Consideration	U of MN Twin Cities	GER 1003 GER 1004	5	Jrs & Srs Top 30% B or higher prior level
<b>CIS Spanish IV &amp; V</b> Top 50% Eligible for Consideration	U of MN Twin Cities	SPAN 1003 SPAN 1004	5	Jrs & Srs Top 30% B or higher in prior level
<b>St. Cloud State courses are open to students based on the following eligibility:</b>				
CIS College & Career Prep	St. Cloud State University	COLL 111	2	Juniors & Seniors Top 50%
<b>CIS Business</b>	St. Cloud State University	MKTG 100	3	Sophomore Top 10% Juniors Top 33% Seniors Top 50%
<b>CIS College Algebra</b>	St. Cloud State University	MATH 112	3	Sophomore Top 10% Juniors Top 33% Seniors Top 50% Pass Placement Test
CIS Exercise Physiology	St. Cloud State University	PESS 122	1	Sophomore Top 10% Juniors Top 33% Seniors Top 50%
CIS Intro to Economics	St. Cloud State	ECON 201	3	Juniors Top 33% Seniors Top 50%
CIS Human Anatomy	St. Cloud State University	BIOL 103	3	Sophomore Top 10% Juniors Top 33% Seniors Top 50%
CIS Intro to Gerontology	St. Cloud State University	GERO 208	3	Sophomore Top 10% Juniors Top 33% Seniors Top 50%
<b>CIS Woods III</b>	St. Cloud State University	ETS 130	3	2.5 GPA & Meet State Testing Requirement for Grade Level
CIS Introduction to Education	St. Cloud State University	CFS 260	3	Juniors Top 33% Seniors Top 50%



**Southwest MN State University requirements are as follows:**

**Sophomores** Top 10% and 90<sup>th</sup> Percentile on Standardized Test

**Juniors** Top 33% and 70<sup>th</sup> Percentile on Standardized Test

**Seniors** Top 50% and 50<sup>th</sup> Percentile on Standardized Test

<b>CIS Chemistry I</b>	Southwest MN State	CHEM 231	4	
<b>CIS Chemistry II</b>	Southwest MN State	CHEM 232	5	
CIS Intro to Psych 101	Southwest MN State	PSYCH 101	3	
<b>CIS Intro to Psych 102</b>	Southwest MN State	PSYCH 102	3	
<b>CIS Culinary Foods 2</b>	Southwest MN State	HOSP 120	1	
<b>North Hennepin Community College Courses are open to students with a 2.0 GPA or higher</b>				
<b>CIS Finite Math (10-12)</b>	North Hennepin Community College	MATH 1140	3	B or higher in Alg. 2 or passing PreCalc Pass Placement Test
<b>CIS Statistics (10-12)</b>	North Hennepin Community College	MATH 1210	4	B or higher in Alg. 2 Pass Placement Test
CIS Introduction to Sociology (11-12)	North Hennepin Community College	SOC 1110	3	
CIS US History (10)	North Hennepin Community College	HIST 1200	3	A in Am. Gov't & A in English 9
CIS World History	North Hennepin Community College	HIST 1010	3	A in Am History & A in English 10
CIS Introduction to Theater (11-12)	North Hennepin Community College	TFT 1210	3	
CIS College Academic Prep (10-12)	North Hennepin Community College	FYE 1020	2	
CIS Personal Financial Management (10-12)	North Hennepin Community College	BUS 1440	3	
<b>CIS Business Computer Systems (10-12)</b>	North Hennepin Community College	CIS 1101	3	
<b>Hennepin Technical College Courses are open to students with a 2.0 GPA or higher</b>				
<b>CIS Woods II (10-12)</b>	Hennepin Technical College	CBTG 1100	2	C or higher in Wood Technology
CIS Auto Service & Maintenance (10-12)	Hennepin Technical College	ATEC 1050	2	Pass Placement Test
CIS Landscaping (9-12)	Hennepin Technical College	LNDC 1110 LNDC 1235	1 2	
CIS Introduction to Early Childhood Ed. (10-12)	Hennepin Technical College	CDEV 1105	3	
CIS Child & Human Development (10-12)	Hennepin Technical College	CDEV 1500	3	Pass Placement Test
CIS Research & Development /CIS Competitive Engineering (10-12)	Hennepin Technical College	ENG 2075	3	
<b>CIS 3D Mechanical Drawing (10-12)</b>	Hennepin Technical College	ENG 2100	4	
<b>CIS Entrepreneurship (11-12)</b>	Hennepin Technical College	BUSN 1510	3	
<b>CIS Accounting II (10-12)</b>	Hennepin Technical College	ACCT 1000	3	C or higher in Accounting I

# GRADE 9 COURSE OPTIONS

## AGRICULTURE

2015 Animal Science  
2016 Companion Animal Science  
2017 FFA/Youth Leadership  
2019 Horse Science & Management  
2020 CIS Landscaping/Landscaping  
2022 Intro to Agriculture

## ART

2502/2503 Art I  
2504 Ceramics & Sculpture I  
2508 Drawing I  
2511 Painting I

## BUSINESS & COMPUTER TECH

3026 Introduction to Business  
3018 Apps for the Future  
3025 Apps for Presentations  
3020 Photoshop Editing & Design  
3023 Illustrations/Animation

## DANCE

0123 Dance I: Basic Movement  
0124 Dance I: Basic Choreography  
**0125 Dance II: Performance and Presentation**  
0122 Musical Theatre Dance

## ENGLISH

3568 Acting I - The Physical Actor  
3569 Acting I - The Vocal Actor  
3516/3517 Journalism I  
3515 English Grammar and Usage

## FACS

4004 Fundamentals of Food Preparation

## MUSIC

5020/5021/5022/5023 Freshman Band  
5044/5045/5046/5047 Freshman Choir  
5040/5041/5042/5043 Freshman Orchestra  
5026 Music in America  
5060 Beginning Guitar Class

## PHYSICAL EDUCATION

5506 9th Grade Strength & Conditioning

## SOCIAL STUDIES

6505 Current Events 1  
6509 Minnesota History  
6528 History Through Film

## TECHNOLOGY

7001 Introduction to CAD  
7003 Introduction to Metals  
7004 Energy, Power & Transportation  
7005 Electricity/Electronics  
7007/7008 Technology Exploration  
7013 Wood Technology  
7017 Automotive Engineering and Design  
7019 Metal Fabrication  
7022 Robotics I  
**7023 Robotics II**

## WORLD LANGUAGES

7501/7502 Spanish 1  
**7503/7504 Spanish 2**  
7511/7512 French 1  
**7513/7514 French 2**  
7521/7522 German 1  
**7523/7524 German 2**  
7531 Intro to World Languages

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

# Agriculture

Agriculture courses at BHS include a wide variety of topic areas including: pets, livestock, landscaping, equine, construction, Ag Business, and leadership. Students will use texts and hands-on experiences to learn firsthand about the many facets of the agriculture world. Challenge yourself to hands-on learning and a chance to “show what you know” in cool laboratory exercises.

## **2022 Introduction to Agriculture**

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.

Grades: 9-10

Terms: 1

## **2023 Veterinary Science**

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.

**Prerequisites:** Animal Science, Companion Animal Science and General Biology

Grades: 10-12

Terms: 1

## **2016 Companion Animal Science**

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.

Grades: 9-12

Terms: 1

## **2015 Animal Science**

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.

Grades: 9-12

Terms: 1

## **2020 CIS Landscaping/Landscaping**

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 3 credits from Hennepin Technical College. (See CIS table for eligibility).**

Grades: 9-12

Terms: 1

### **2019 Horse Science and Management**

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.

Grades: 9-12

Terms: 1

### **2017 FFA/Youth Leadership**

**\*\*Offered every other year -- 2021-22\*\***

Learn how to be a leader, properly run a meeting, and use verbal and non-verbal communication techniques. This class focuses on leadership techniques. Whether you are a committee member or the president of an organization, this class will teach you problem solving techniques such as conflict resolution, group maintenance, and consensus building. You will learn Parliamentary Procedure as it pertains to orderly meetings. You will be expected to demonstrate effective speaking and listening skills. This class will use FFA as the vehicle of instruction. Students will learn the FFA creed, FFA motto, as well as the aims and purposes.

Grades: 9-12

Terms: 1

### **2014 Agricultural Construction**

**\*\*Offered every other year -- 2020-21\*\***

This course is an introduction to agricultural buildings and facilities used for livestock, crop production and storage. It is primarily a 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.

Grades: 10-12

Terms: 1

### **2011/2012 CIS Animal Science /Advanced Animal Science**

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

Grades: 10-12

Terms: 2

# Art

**The Art Department at BHS believes the following:**

- Art is the language we use to communicate ideas and emotions. We need to learn to use this language to read and enjoy other people's artwork and to send our own messages.
- Art is not reserved for the talented few. Everyone has the capability and right to be creative and produce art.
- The art we create is a reflection of the world we live in, the people we know, and our own values and beliefs.
- The process of creating an artwork can be just as important as the product - sometimes it is more important.

**In art classes students will be given the opportunity to experiment with various art media, learn about artists and their philosophies, and develop their own creative "voice". Everyone can create art.**

## **2502/2503 Art I**

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, block printing, and drawing tools.

Grades: 9-12                      Terms: 2

## **2508 Drawing I**

Students in the class learn drawing and composition skills. We will use graphite and colored pencil, pastel, craypas, and ink 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.

Grades: 9-12                      Terms: 1

## **2511 Painting I**

Students in Painting 1 experiment with a variety of painting media and subject matter. We will create an acrylic cubist style still life, and a watercolor landscape. Artists and their design styles will be used as inspiration for each project.

Grades: 9-12                      Terms: 1

## **2504 Ceramics & Sculpture I**

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 I 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.

Grades: 9-12                      Terms: 1

## **2509 Drawing II**

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, pastels, pencil, and pen/ink. A variety of subject matter will be explored.

**Prerequisite:** Drawing I

Grades: 10-12                      Terms: 1

## **2512 Painting II**

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.

**Prerequisite:** Painting I

Grades: 10-12

Terms: 1

## **2505/2506 Ceramics & Sculpture II**

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.

**Prerequisite:** Ceramics & Sculpture I

Grades: 10-12

Terms: 2

## **2507 Ceramics III**

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.

**Prerequisites:** Ceramics & Sculpture I & II

Grades: 11-12

Terms: 1

## **2510 Jewelry and Small Sculpture**

Throughout time and across cultures people have used jewelry as a status symbol to honor achievement and to celebrate important events in a person's life. Students in this course will create jewelry and small sculptures that reflect the designs and traditions of six cultures: Egyptian, Vikings/Celtic, Mexican, Native American, the 70's, and their own culture. We will work with traditional clay, polymer clay (Sculpture III), copper and brass wire, pewter, hemp, purchased, and handmade beads.

**Prerequisite:** Ceramics I

Grades: 10-12

Terms: 1

## **2501 Animation/Hybrid**

In this course students will develop their understanding of the animation field and its history. Students will develop their animation skills through storyboard creation and various collaborative projects. Emphasis will be placed on creative experimental animation using digital cameras. Drawing skills are helpful but not required. Students will be able to leave during this block.

Grades: 11-12

Terms: 1

# Business & Computer Technology

Business courses are for everyone. Whether you are selling your art, managing your farm, working at a hospital or just planning to go to college to figure it all out, we have many courses for you. All students should have a general understanding of how to use computers beyond Google and our business courses will give you the chance to explore all careers, how to manage personal and business finances and help you develop an entrepreneurial mindset.

**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).*

## Business Content Courses

### **3012 Accounting I (may be available as a Hybrid)**

Accounting is a prerequisite for almost every business degree and is recommended for students interested in business careers after high school, students majoring in business at post-secondary institution, students interested in starting their own business, and students who want to understand financial information for their own personal use. This course gives students the necessary background for careers in general business, accounting clerks, bookkeepers, and accountants. Recording and posting transactions, preparing worksheets, income statements and balance sheets, managing a checking- account and reconciling a bank statement are a few of the many skills students will acquire.

Grades: 10-12                      Terms: 1

### **3013 CIS Accounting II (may be available as a Hybrid)**

Does your future include working for someone else or running your own business? Then you need this course. Gain essential experience and knowledge necessary to be successful in managing the finances in a business and knowledge to prepare for college-level accounting classes. Through the use of a real-life simulation, students will learn the accounting process for a merchandising business through recording entries and creating financial statements. **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).**

**Prerequisite: Accounting I with a C+ or better.**

Grades: 11-12                      Terms: 1

### **3008 Personal Finance (may be available as a Hybrid))**

Control your finances. Don't let your finances control you. Learn how to finance a car loan, get an apartment, and save for a house. Let's not forget we need to understand taxes from work and how to use saving tools to grow our money. We will look at other life changes such as getting married, having children, and retirement. How will you pay for all this and college?

Grades: 10-12                      Terms: 1

### **3040 CIS Personal Financial Planning (may be available as a Hybrid)**

In this fast-paced course, students will explore personal and family financial planning. Topics will include understanding taxes, payroll, banking, interest, credit cards, making major purchases (car, house), and investing (mutual funds and stock market). This course is much the same material as Personal Financial Management presented in a college format, more time spent participating and analyzing within the Stock Market Game and an added eMentor program. Students can expect to average an hour of homework each night. **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).**

Grades: 10-12                      Terms: 1

**6541 CIS College Academic Prep – CAP (may be available as a Hybrid)**

Learn to succeed in college while earning college credit. College level courses are rigorous and require more study strategies to succeed. This course will teach students study skills such as note taking, reading strategies, class discussion strategies, and writing skills to handle college level rigor and expectations. Students will also develop advocacy skills, collaboration skills and time-management skills necessary to be successful in college and the workplace. **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)**

Grades: 10-12      Terms: 1

**3038 College & Career Prep (may be available as a Hybrid)**

College is expensive and selecting a career and getting a job is harder than ever. This course will help you look at these major decisions and prepare for your future! Explore the world of work, explore careers in numerous areas, gain skills in interviewing, and prepare a working resume. Opportunities to explore and complete college entrance forms, scholarship applications, and financial aid forms. Students also participate in a job shadow and mock interview. This course is designed for juniors and seniors who plan to attend a postsecondary educational institute or enter the workforce after school. ***Do not register for this course if you plan on taking CIS College & Career Prep.***

Grades: 11- 12      Terms: 1

**3017 CIS College and Career Prep (may be available as a Hybrid)**

This course is designed to introduce you to the process of self-assessment, career exploration and research, decision-making for post-secondary options, and preparation for a career. You will consider what characteristics (abilities, interests, values, and personality) help make you the unique person that you are and begin thinking about how this self-knowledge relates to your ideas of a career. Next we will turn to topics such as career research, decision making on post-secondary education, and job preparation. You will be evaluated on how much effort and depth of thought you put into your assignment and your work ethic and the quality of your assignments. There are some big assignments in this class such as assessments, Job Shadow, Résumé, and doing a Mock Interview. ***Do not register for this course if you took College & Career Prep.*** 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).

Grades: 11- 12      Terms: 1

**3026 Introduction to Business**

Students will be introduced to each of the many important and exciting facets of business practice – from management to marketing to entrepreneurship and international business. Students will take a look at business in a changing world by exploring companies like Apple, Nike, Target, and Best Buy. The course is designed to help students determine their interest level in business and to gain an insight to various career opportunities. Students will also have the opportunity to manage their own computer simulated virtual business throughout the term.

Grades: 9-12      Terms: 1

**3027 Marketing**

Do you enjoy keeping up on current events in the sports and entertainment industries? How about tourism, the outdoor industry, or fashion? It is estimated that most Americans are exposed to around 4,000 to 10,000 advertisements each day. In this course, learn how marketers persuade and advertise through the principles of marketing. Using a variety of activities, learn about the marketing mix, research process, and social responsibilities of marketing.

Grades: 10-12      Terms: 1



### **3011 CIS Business (may be available as a Hybrid)**

This is an exciting, fast-paced course designed to introduce students to the many and varied facets of the business world. Real world examples, up-to-date videos, computer activities utilizing the internet, and lectures may be used to further the student's involvement in and understanding of the business arena. Topic areas will include: general business structure and environment, managing employees, marketing and distribution, and accounting & finance. In addition, students will have the opportunity to explore career opportunities in the world of business.

**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).**

**Recommended Prerequisite:** Introduction to Business or Marketing

Grades: 11-12

Terms: 1

### **3028 CIS Entrepreneurship**

Do you want to own your own successful business and be your own boss someday? If so, CIS Entrepreneurship is for you. This is a college-level course designed to provide you with a fundamental understanding of those basic concepts and procedures required to start your own business. 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 apply the concepts by developing an idea for a new venture and creating a comprehensive business plan.

**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).**

**Prerequisite:** Introduction to Business or Marketing or CIS Business

Grades: 11-12

Terms: 1

### **3024 Law and Order (may be available as a Hybrid)**

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 will include criminal and civil law, court systems, the juvenile justice system, consumer law, and international law.

Grades: 10-12

Terms: 1

## **Graphics, Computer Science & IT Courses**

### **3020 Photoshop Editing & Design**

Do you have any photos on your phone? This course will give you the chance to learn how to edit those photos to make them flawless. You will get the chance to use those photos to put yourself into a different picture. Get a feel for how photo editors make models look magazine ready. Put your skills to the test with projects like creating your own avatar, collaging yourself into other photos, and making a photo look like a caricature. Take your phone filters to the next level.

Grades: 9-12

Terms: 1

### **3023 Illustrations & Animations**

Have you seen Rick & Morty, The Simpsons or Bob's Burgers and wondered how they draw and animate the characters? This course will allow you to explore how to draw characters or if you plan to be an entrepreneur, you can learn to design your own logo. This course will also cover the introduction of animating your drawings. We will be using Adobe Illustrator and Flash in this course.

Grades: 9-12

Terms: 1

### **3010 Computer Graphics II (students that have taken Photoshop or Illustrator)**

Take your Photoshop or Illustrator skills to the next level. All students will get to explore in more detail the use of drawing tablets through a variety of tutorials and projects. Projects will include designing your own logo, sketching or drawing caricatures, and making animated posters and social media posts with Aurasma and Spark.

**Prerequisite:** Photoshop Editing & Design OR Illustrations & Animations

Grades: 10-12

Terms: 1

### **3018 Apps for the Future**

This course is highly recommended to all students, especially freshmen, as it is designed to help students develop skills on the computer to use in high school and beyond. Students will be introduced to network systems and have time to work on improving data entry skills. Concentration will focus on efficient use of computers while working on word processing and graphic design projects using programs such as Microsoft Word, Google Docs, Microsoft Publisher and Canva.

Grades: 9-12

Terms: 1

### **3025 Apps for Presentations**

#### **NEW COURSE!**

Getting up and presenting in front of people can be scary. One way to lessen the stress is by having an amazing interactive and engaging visual for the audience. During this class, you will learn how to make those visuals using programs such as Movie Creator and screen recording software, Microsoft PowerPoint, Adobe Spark, Prezi, and Sway. We will incorporate images, video, sound and hyperlinking to keep your audience entertained.

Grades: 9-12

Terms: 1

### **3019 Apps for College: Excel & Data Analysis (may be available as a Hybrid)**

After you have the basics from Apps for the Future and Apps for Presentations, it's time to start thinking about college. This course is highly recommended for students thinking of pursuing college as their next step after high school. You will receive experiences in working with spreadsheets and database management systems as well as incorporating your data analysis in presentations and reports. You will learn skills that are in high demand in college and in almost every career including how to manage and analyze data. *\*Students who elect to take the course as a hybrid when offered, must have access to a computer with Internet and Microsoft Office Professional desktop software suite outside of school.*

**Recommended Prerequisites:** Apps for the Future and/or Apps for Presentations

Grades: 10-12

Terms: 1

### **3021 Apps for the Web**

Everyone has the internet at their fingertips. Learn how to create dynamic content for use on the web or cell phones. This is an introductory course on how the design, creation, and maintenance of web applications works. Students will critically evaluate apps and websites and learn how to create dynamic pages and sites. This course includes a short Photoshop unit as well for adding those special features. Learn the fundamentals of editing images, of the HTML tagging language, and of graphic editing software.

**Recommended Prerequisites:** Apps for the Future and/or Photoshop Editing & Design

Grades: 10-12

Terms: 1

### **3016 CIS Business Computer Systems (Online option available)**

This course gives students the opportunity to go more in depth in the Microsoft Office Suite: Excel, Access, Publisher, PowerPoint, and Word. Students signing up for this course will have the opportunity to take it online. All students will meet the first week then choose to work online or in class. Online students will be excused from school that hour and will be required to complete curriculum on their own. *\*Students who elect to take the course online when offered, must have access to a computer with Internet and the Microsoft Office Professional desktop software suite outside of school.*

**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).**

Grades: 10-12

Terms: 1

# On-The Job Training

## 8121/8122/8123/8124 On-The Job Training - Grade 12

*\*Fourth Block Only*

This unique program allows students the opportunity to make their job part of the classroom experience. Students complete online assignments to meet vocational seminar requirements for OJT. Students leave school to work at their place of employment. Students are required to work on average of at least 10 hours/week and upload paystubs to the OJT Google Classroom. On-the-Job Training focuses on 21<sup>st</sup> century success skills students need to develop and practice to successfully transition from school into the workforce.

<b>Program Highlights (may include:)</b>	<b>Skills Needed for Success</b>
Personal finance	Dependability and a strong work ethic
Safety-on-the-job	Required weekly class attendance
Interviewing skills	Ability to work as a team member
Career exploration	Excellent communication skills
Soft skill development	Basic reading, writing and math skills
Job shadowing	Willingness to improve your people skills
Work site visits	

### **Program Requirements: Each student must agree to:**

- Complete vocational seminar assignments on Google Classroom
- Verify 10 hours/week worked with copies of paystubs from employer
- Obtain a job by the start of course and stay employed throughout course
- Communicate with instructor prior to any changes in employment while enrolled in course
- Worksite approved by OJT teacher prior to enrolling in the program
- Work must meet child labor guidelines
- May not work for a parent

# Dance

The Dance Department offers classes that are designed to help students develop a mastery of dance skills, as well as the ability to create their own dances. There are currently several classes offered. Dance 1 Movement and Dance 1 Choreography are introductory level and Dance II is performance based with a required concert at the end of the class.

### **0123 Dance I: Basic Movement**

The focus of this class is learning the basic movement skills used in western concert dance. The skills will be drawn from a variety of disciplines including modern, jazz, and ballet. A multi-level approach is used to accommodate a variety of skill levels.

Grades: 9-12

Terms: 1

### **0124 Dance I: Basic Choreography**

This class is focused on artistic principles used to create dances. Students will learn about the lives and styles of well-known choreographers both past and current and apply this knowledge to develop their own style. Students will create dances as solos, duets and small groups. Students will have the opportunity for in-house performances.

Grades: 9-12

Terms: 1

### **0125 Dance II: Performance & Presentation**

This class assumes good movement skills and requires either both Dance 1 classes or 4 years of dance training at a recognized studio. The students will spend the term creating and producing dances for a concert at the end of the term. Students will work in groups and alone and with the teacher and guest artists to create their works.

Grades: 9-12

Terms: 1

### **0122 Musical Theatre Dance**

Students in this class will learn steps and choreography commonly used in Musical Theatre Dance. Students will also look into films and choreographers who built the movement of theatre dance. **Movement is required in this class.** Students taking this class will need to be able to move freely and be willing to work in a collaborative way. Dance shoes, including jazz, tap and character, are encouraged but not required. Students should be prepared to dress for movement on the first day of class.

Grades: 9-12

Terms: 1

## **English**

**Our English courses offer a variety of experiences with language including literature, speech, writing, media, and production classes. Students will receive opportunities to read and react to classic and contemporary literature and non-fiction selections, as well as develop their own voices in different formats. The overriding goal of the curriculum is to develop solid readers and writers with critical thinking skills who desire to be life-long learners.**

### **3500/3501 English 9**

*NCAA approved*

English 9, built on Common Core Standards, 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 student 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.

Grade: 9

Terms: 2

### **0142/0143 Arts Infused English 9**

*NCAA approved*

Arts Infused English 9, built on Common Core Standards, 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. The teachers provide an interdisciplinary learning environment where students will use shared inquiry, arts, and performance in the process of learning about themselves and their relationship to fiction and non-fiction texts. The course includes equal state academic standards and core outcomes as English 9.

Grade: 9

Terms: 2

### **3504/3505 English 10**

*NCAA approved*

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.

Grade: 10

Terms: 2

### **0150/0151 Arts Infused English 10**

*NCAA approved*

Arts Infused English 10 is designed to build on the skills and interests developed in Arts Infused 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. The teachers provide an interdisciplinary learning environment where students will use shared inquiry, arts, and performance in the process of learning about themselves and their relationship to fiction and non-fiction texts. The course includes equal state academic standards and core outcomes as English 10.

Grade: 10

Terms: 2

**3568 Acting I - The Physical Actor**

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.

Grades: 9-12                      Terms: 1

**3569 Acting I - The Vocal Actor**

Students will be introduced to essential elements of acting for the stage. These elements include script analysis, voice projection, blocking and movement. Performances include two-person scenes and monologues.

Grades: 9-12                      Terms: 1

**3534 Acting II - Integration of Voice & Body**

Students further develop the essential elements of live performance including improvisational acting, movement, blocking, voice production, character development, and script analysis. In addition, they will examine the differences between a literary work and a stage or film adaptation of that work. Students will study the fundamentals of creating an original one act play and will rehearse and perform this original one act for an outside audience.

**Prerequisite:** Acting I - Physical Actor, Acting I - Vocal Actor, or Stage Acting I (before 2018/2019)

Grades: 10-12                      Terms: 1

**3529 Speech Communications**

*NCAA approved*

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.*

Grades: 10-12                      Terms: 1

**3516/3517 Journalism I**

*NCAA approved*

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.

Grades: 9-12                      Terms: 2

**3518/3519 Journalism II**

*NCAA approved*

Journalism II is designed to be an extension of the Journalism I and Publications Writing programs. It focuses on creating daily New Media content designed for both online and print production. In this hands-on class, heavy emphasis is placed on advanced layout and design techniques, visual design, digital imaging, online production, and first hand reporting. In addition to being production based, Journalism 2 focuses on building a strong knowledge base and elements of ethical and decision making, time management, trend analysis, and other academic areas. This class will feature an even split of production time and classroom learning.

Grades: 11-12                      Terms: 2

**3535 Women in Literature***NCAA approved*

This literature discussion class will focus on works by respected female authors and/or featuring female protagonists. We will examine how literature reflects vital issues from a variety of perspectives with 3 class novels and 1 individual choice novel. As in all literature courses, this class will require extensive reading, in and outside of class. Students will also be graded on their in-class discussions of these readings. Additional student assessments will include essays and written exams.

**Prerequisite:** English 10

Grades: 10-12

Terms: 1

**3515 English Grammar and Usage**

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 and thematic weekly writing labs which culminate in a final portfolio. Student baseline skills are assessed: subsequent coursework, addresses skill deficiencies and usage issues which prohibit or mar effective writing. Course content includes, but is not limited to: sentence formulas, phrase and clause, identificaion, recognition and use of modifiers, root-word based vocabulary and punctuation control.

Grades: 9-12

Terms: 1

**3524/3525/3526 Publications Writing (Yearbook)**

This is an advanced 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 recommended by a faculty member and must be willing to meet college-level writing standards.

**Prerequisite:** Teacher Approval

Grades: 11-12

Terms: 3

**3520 Mass Media I**

Students will examine the effect of mass media on their lives. We will take a quick look at the history of media, including news, music, and radio industries. The course will analyze how those forms of media are evolving, and will ask students to identify and research current issues and future trends in media. Note-taking, reading, daily work, unit exams, group projects, and journaling are each significant parts of this course. This course addresses MN state standards of media literacy and research, and students will be required to complete a research project to earn course credit.

**Prerequisite:** English 10

Grades: 11-12

Terms: 1

**3521 Mass Media II**

Students will further explore the effects of mass media on their lives. We will explore the background and history of television, current topics involving mass media, documentaries, and advertising. Reading, writing, critical thinking, unit projects, research skills exams, and discussion are all significant parts of this course.

**Prerequisite:** Mass Media I

Grades: 11-12

Terms: 1

**3522/3523 Classic Novel***NCAA approved*

Classic Novel is an accelerated course that requires both skill and discipline. The course concentrates on themes from several classic novels and is designed to actively engage students in the process of learning about themselves and the world around them. To participate effectively, students are expected to complete daily out-of-class reading assignments. Novels will be assigned through class discussions, role-playing exercises, and various writing activities. The reading list is subject to change, but students will be assigned novels such as: *The Scarlet Letter*, *All Quiet on the Western Front*, *The Great Gatsby*, *The Plague*, *My Antonia*, *A River Runs Through It*, *One Flew Over the Cuckoo's Nest*, *The Awakening*, and *Frankenstein*.

Grades: 11-12

Terms: 2

**3510 Short Stories Seminar***NCAA approved*

This course is designed to be an extension of the American Literature and Composition course, with a focus on multi-cultural literature. Students will read and study a variety of literature written by and about different cultures, focusing on their perspectives, challenges, and experiences. The class will include reading (as homework), class discussions, writing activities, and projects.

**Prerequisite:** English 10

Grades: 11-12

Terms: 1

**3552/3553 English Essentials**

If the last book you liked was *Hatchet*, and you would rather talk trucks than themes, this class might be for you. This is a survey-style, elective course (it covers components of all core English skills). It is designed to strengthen the basic communication and critical reading and thinking skills needed after high school in any work or school environment. This class incorporates student-led activities and a variety of assessment choices. It utilizes self-paced work and grade contracts. High-interest content and materials are the focus of both individual and small group work.

Grades: 11-12

Terms: 2

**3511/3512 Contemporary Literature***NCAA approved*

Contemporary Literature explores the poetry, short stories, novels, and plays from the 1940s to the present. Nicknamed the “Age of Crisis”, much of the literature deals with controversial issues, including the search of self, the pursuit of happiness in a world that limits that pursuit, and the forces that oppose individuality. The course is designed around a variety of literary skills and strategies, including analysis, interpretation and evaluation, as well as literary discussion, critical reading, debate, and creative writing.

**Prerequisite:** English 10

Grades: 11-12

Terms: 2

**0158/0159 Arts Infused World Literature***NCAA approved*

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. The teachers provide an interdisciplinary learning environment where students will use shared inquiry, arts, and performance in the process of learning about themselves and their relationship to other cultures.

Grade: 11

Terms: 2

**3508/3509 American Literature and Composition***NCAA approved*

American Literature is designed to introduce students to a thematic survey of our literary heritage using short stories, essays, poems, novels and drama. Students will be engaged actively in the process of learning and will complete a variety of writing assignments and practice the writing process. American Literature is important for all students because it is both a basic study of our American literary and cultural heritage and a good background for more advanced literary endeavors.

**Prerequisite:** English 10

Grades: 11-12

Terms: 2

**3527/3528 College Prep Writing and Critical Reading***NCAA approved*

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, casual analysis, and critical review. ***Do not register for this class if you have successfully completed or plan to take CIS Writing and Critical Reading.***

Grades: 11-12

Terms: 2

**3541/3542 CIS Writing and Critical Reading***NCAA approved*

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, casual 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).***

Grade: 12

Terms: 2

**3543/3544 CIS Introduction to Literature***NCAA approved*

Introduction to Literature is a course primarily focused on 20<sup>th</sup> Century multi-cultural 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).**

Grades: 11-12

Terms: 2

**3550/3551 eCIS Writing Studio***NCAA approved*

This course introduces students to critical reading and composition strategies foundational for success in college-level courses. One emphasis is critical reading: instruction focuses on comprehending college level texts, summarizing, analyzing and applying information, and collaborating with others to think critically about the readings. Students will also investigate and develop their own writing process, learning techniques for idea generation, research, revision, and editing for publication; they will share drafts for peer revision, and get personalized feedback from the instructor. Class time will emphasize active learning: discussion, collaboration, and lab work. The course also requires substantial time outside of class to read and annotate texts, and develop drafts.

Students will reflect their experiences as learners, and may investigate topics connected to their college & career interests. They'll have access to university libraries and writing labs, and will participate in field day activities on campus at the University of Minnesota.

*This course is recommended for those who meet AVID Program Criteria, or for first generation college applicants. Upon successful completion of the course, students who are eligible for college credit will earn 4 elective English credits from the University of Minnesota Twin Cities. Do not sign up for this class if you have completed OR plan to take College Prep Writing or CIS Writing.*

Grades: 11-12

Terms: 2

**TEACHER RECOMMENDATION****3536 Creative Writing I***NCAA approved*

The purpose of this composition course is to develop students' writing and language skill needed for composing poetry. Course content includes engaging in the writing process, learning a variety of poetic forms, and developing a variety of writing strategies, rhetorical devices, and habits of mind. The course is workshop-based, requiring students to have strong self-motivation, an independent work ethic, and self-monitoring. Students will share their drafts and revisions through peer conferencing, and they will learn evaluation techniques. Students will share their finished work with peers and have the option of submitting their work for publication in the school literary magazine.

Grades: 11-12

Terms: 1



### **3540 Creative Writing II**

*NCAA approved*

The purpose of this course is to further develop students' writing and language skills needed for individual literary forms. This is a workshop-based course, and will require students to have strong self-motivation, an independent work ethic, and self-monitoring. The content will include exposure to writing in a variety of genres, including poetry, fiction, playwriting, and creative non-fiction. Students will be required to try writing in all genres, but they can choose which projects to develop to completion. Students will engage in the writing process, work in small groups to peer conference and revise their work, and further develop their evaluation skills. Students will share their finished work with peers and have the option of submitting their work for publication in the school literary magazine.

**Prerequisite:** Creative Writing I

Grades: 11-12      Terms: 1

### **3564/3565 College Prep Public Speaking**

*NCAA approved*

This course provides instruction and practical experience in the basics of public speaking. It will include the theory and practice of creating and presenting public speeches; research techniques; strategies in organization, outlining, and argumentation; audience analysis and adaption; and the evaluation of other public speakers. Students will be expected to create and deliver at least four major speeches during the course, including information and argumentative speech types. Other types of oral presentations may also be included.

Grades: 11-12      Terms: 2

### **3566/3567 CIS Introduction to Theatre**

This course will involve students in a play's production while they explore the roots of theatre as a reflection of culture and community. Students investigate major theatrical historical periods and personalities, analyze dramatic literature for meaning and production considerations, and may create and perform their own scenes as a means of understanding the transformation of theater from page to stage. Students will examine the production unit: playwright, director, designers, and actors in both preparation for and performance of a theatrical production. Each student will create a production portfolio for a full-length play. 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).

Grades: 11-12      Terms: 2

## **Family & Consumer Sciences (FCS)**

**Family and Consumer Sciences prepare individuals for roles within the family, the workplace, the community and the world. FCS courses at BHS will emphasize the synthesizing of knowledge from multiple sources, to work cooperatively and to apply the highest standards and values in all aspects of student's lives. FCS courses help individuals build communication and reasoning skills and form patterns of responsible citizenship while focusing on global consumerism and sustainable lifestyles. These skills provide a platform for individuals to improve conditions in the home, workplace, and their local and global communities.**

### **4001 Child and Human Development**

Do you enjoy children? Thinking about a career that includes working with families and children? Learn about major developmental milestones of children from birth to school-age in the areas of physical, emotional, social, intellectual and moral development. Experience the responsibility of parenting when you take home a computerized infant simulator. **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.)**

Grades: 10-12      Terms: 1

#### **4014 Introduction to Early Childhood Education**

Thinking about a career working with children? You'll be able to observe firsthand and compare different types of early childhood programs. Learn about the role and responsibilities of those who serve children and families working in professional settings. What techniques work well for communicating with families and involving parents? What teaching practices support diversity? Explore the early childhood profession and search career opportunities where you can impact children and families. **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 on for eligibility criteria)**

Grade: 10-12

Terms: 1

#### **4013 Adulting 101**

**\*\*Offered every other year – 2021-22\*\***

The responsibilities of living on your own for college or working full-time can be scary. This class prepares students for a smooth transition to the "the real world." Topics include: Cooking simple healthy meals on a budget, finding a place to live and signing a lease, budgeting, reaching financial goals, handling conflict at work or with friends/roommates appropriately, designing your living space on a budget, and time/stress management strategies. Start out on the right path to independence with confidence!

Grade: 11-12

Terms: 1

#### **4004 Fundamentals of Food Preparation**

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!

Grades: 9-11

Terms: 1

#### **4005 Culinary Foods 1**

Culinary Foods 1 is the first of a sequential pathway that 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 the culinary knowledge and practical skills needed to be career-ready for entry-level culinary-prep positions. This inquiry course is designed to be interactive, student centered, collaborative, cooperative, and relevant. Students will have the opportunity to begin work toward the ServSafe Food Handler certification.

**Recommended Prerequisite:** Fundamentals of Food Preparation

Grades: 10-12

Terms: 1

#### **4011 Culinary Foods 2**

Are you considering a career as a chef, baker, caterer, restaurant manager or already working in the food service industry? Culinary Foods 2 is the second of a sequential pathway designed for career focused students. In this course, students will learn basic culinary skills including: welcome to the restaurant & food service industry, keeping food safe, workplace safety, professionalism, equipment & techniques, communication, management essentials, building a successful career in the food service industry all while preparing a variety of foods. Students will have the opportunity to earn the ServSafe Food Handler certification upon successful completion of the course.

**Prerequisite:** Culinary Foods 1

Grades: 10-12

Terms: 1

#### **4010 Baking & Pastry**

**NEW COURSE!**

Have you ever wanted to create the beautiful cakes, cookies, and pastries you see on shows like The Great British Baking Show and Cupcake Wars? In Baking & Pastry Arts you will learn some of the foundations and skills necessary to do so! Students will learn preparation techniques and principles used in baking to prepare a wide array of baked goods, pastries, and confections. Students will explore gluten-free baking recipe planning and preparation, altering & preparing recipes to address other allergies/dietary restrictions.

**Prerequisite:** Fundamentals of Food Preparation

Grades: 10-12

Terms: 1

# General Courses

## **3562 Senior Inquiry**

This course is designed for seniors to design and control their own learning by providing them an opportunity to fully explore topics of their own choosing. Students will select their personal research projects and present their learning to their peers. In addition, they will also be responsible for collaborative research and seminar discussions focused on complex issues, such as educational reform, the power of happiness, and the future of technology (as examples). **TEACHER APPROVAL**

Grade: 12

Terms: 1

## **6541 CIS College Academic Prep – CAP (Hybrid option available)**

Learn to succeed in college while earning college credit. College level courses are rigorous and require more study strategies to succeed. This course will teach students study skills such as note taking, reading strategies, class discussion strategies, and writing skills to handle college level rigor and expectations. Students will also develop advocacy skills, collaboration skills and time-management skills necessary to be successful in college and the workplace. **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)**

Grades: 10-12

Terms: 1

## **4016/4017 CIS Introduction to Education**

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)**

Grades: 11-12

Terms: 2

## **4015 CIS Introduction to Gerontology**

Over the next decade, we will need another 25,000 trained aging professionals in Minnesota alone. This course gives students a background and understanding of the unique processes of aging and how to work with older individuals and their families. Learn about healthy aging, how the body changes, challenges that some elders face, and the realities, myths and stereotypes about aging and older adults. The study of gerontology complements most majors including nursing, social work, community health, counseling, psychology, sociology, communication sciences & disorders, community development, communication studies and business. **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)**

Grades: 10-12

Terms: 1

# Health

**Health is the combination of physical, mental/emotional, and social well-being. Because of this, a person's health is subject to constant change. The health curriculum is designed to provide accurate health information to help students make healthy choices.**

## **5051 Health 10**

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.

Grade: 10                      Terms: 1

## **5052 Current Health Trends**

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.

Grades: 11-12                      Terms: 1

# Math

## **4535/4536 Intermediate Algebra**

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. **Any student who has successfully completed Algebra 1.5 should not sign up for this course.**

Grades: 9-10                      Terms: 2                      **TEACHER RECOMMENDATION**

## **4517/4518 Geometry**

*NCAA approved*

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.

**Prerequisite:** Algebra 1.5

Grades: 9-12                      Terms: 2                      **TEACHER RECOMMENDATION**

## **4519/4520 Algebra 2**

*NCAA approved*

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, logarithms, probability, and statistics.

**Prerequisite:** Algebra 1.5 or Intermediate Algebra

Grades: 9-12                      Terms: 2

## **4543 Algebra 3 with Trig**

*NCAA approved*

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.

**Prerequisite:** Geometry and Algebra 2

Grades: 10-12                      Terms: 1

**4533/4534 Pre-Calculus***NCAA approved*

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 and inequalities; applications.

**Do not register for this course if you have successfully completed or plan to take CIS College Algebra.**

**Prerequisite:** “B” or above in Algebra 2 or completion of Algebra 3 with Trig

Grades: 10-12

Terms: 2

**4510/4511 CIS College Algebra***NCAA approved*

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).**

**Prerequisite:** Algebra 2

Grades: 11-12

Terms: 2

**4521 Trigonometry***NCAA approved*

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.

**Prerequisite:** Algebra 2    **Recommended:** B or above in Algebra 2

Grades: 10-12

Terms: 1

**4524/4525/4526 Advanced Placement (AP) Calculus A/B***NCAA approved*

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. It is recommended that students should have received a minimum grade of “C” in Pre-Calculus or College Algebra before registering for this course.

**Prerequisites:** Pre-Calculus or CIS College Algebra, Trigonometry

Grades: 10-12

Terms: 3

**4512/4513 Advanced Placement (AP) Calculus B/C***NCAA approved*

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.

**Prerequisite:** AP Calculus A/B

Grades: 11-12

Terms: 2

**4544/4545 AP Computer Science A***NCAA Approved*

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.

**Prerequisite:** B or higher in Algebra 2

**Recommended:** Precalculus or CIS College Algebra

Grades: 11-12

Terms: 2

#### **4531 Life Skills**

This course deals with the various types of everyday math situations that one must cope with upon graduation from high school. Areas to be covered will be: review of basic math operations, personal banking, loans, metric and English measurements, automobiles and transportation, housing, insurance, budgeting, income and deductions, and careers.

Grade: 12 or teacher approval      Terms: 1

#### **4530 Statistics**

*NCAA Approved*

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.

Grades: 11-12      Terms: 1

#### **4541/4542 CIS Statistics**

*NCAA approved*

This is a concurrent enrollment course through NHCC. It is a college statistics course that has replaced AP Statistics. 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 North Hennepin Community College. (See the CIS table for eligibility criteria).**

**Prerequisite:** Algebra 2      **Recommended:** B or above in Algebra 2

Grades: 10-12      Terms: 2

#### **4539/4540 CIS Finite Math**

*NCAA approved*

This course is designed primarily for the non-science major. Several business and financial applications are covered. These applications may include systems of equations, linear programming (maximizing profit, and minimizing cost), the interdependence of different sectors in an economy, and interest rates as they pertain to credit cards, short-term loans, and mortgages. Additional topics may include: introductory statistics and probability, combinatorics (the number of ways of arranging objects), game theory, coding, and Markov chains (multi-step games/decisions). **Upon successful completion of the course, students who are eligible for college credit will earn 3 credits from North Hennepin Community College.**

**Prerequisites:** Algebra 2 or Pre-Calculus      **(See the CIS table for eligibility criteria)**

**Recommended:** C or above in Algebra 2 or passing grade in Pre-Calculus

Grades: 10-12      Terms: 2

# Music

The music program at BHS is designed to promote the serious study of many different styles of music to all interested students. The objectives are to study and/or perform the finest music literature possible. Students in performance classes will perform at concerts, festivals, selected athletic events, civic and community functions and various other occasions. All grade level bands, orchestras and choirs are scheduled opposite each other so some students wishing to participate in both an instrumental class and choir may have the opportunity to do so.

**MUSIC PERFORMANCE CLASSES ARE A YEAR LONG COMMITMENT (Varsity Choir is Terms 2-4 only).**

## **5020/5021/5022/5023 Freshman Band**

All grade 9 band students will register for Freshman Band. There will be two bands of equal instrumentation. Both bands will study the same curriculum, studying a variety of band literatures. These bands will meet every other day for a full year, alternating with PE 9 or Freshman Choir. These students will have the opportunity to play in several concerts and to play in marching band, pep band, & jazz band.

**Prerequisite:** Completion of 8th grade band or Teacher Approval

Grade: 9

Terms: 4 (Alternate Days)

## **5027/5028/5029/5030 Varsity Band**

All 10<sup>th</sup> 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 marching band, pep bands, and jazz bands. They will also participate in several concerts and contests.

**Prerequisite:** Completion of 9th grade band or Teacher Approval

Grades: 10-12

Terms: 4

## **5005/5006/5007/5008 Concert Band**

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 tests 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 marching band, pep bands, jazz bands and symphony orchestra. They will also participate in several concerts and contests.

**Prerequisite:** Audition

Grades: 11-12

Terms: 4

## **5040/5041/5042/5043 Freshman Orchestra**

All 9th grade orchestra students will register for Freshman Orchestra. There will be two orchestras of equal instrumentation who study the same curriculum and perform the same music together as one ensemble at concerts. Each group will meet every other day all year, alternating with PE 9 or Freshman Choir. Students in Freshman Orchestra will study and perform a wide variety of orchestral literature. In addition to practice and performance, this course includes an overview study of music history and theory.

**Prerequisite:** Completion of 8th Grade Orchestra or Teacher Approval

Grade: 9

Terms: 4 (Alternate Days)

## **5056/5057/5058/5059 Varsity Orchestra**

All 10th grade orchestra students, and those in grades 11-12 who are not in Concert Orchestra, will be in Varsity Orchestra. This group will meet every day all year. Students in this group will study and perform a wide variety of orchestral literature. In addition to practice and performance, this course includes an overview study of music history and theory and a chamber music unit.

**Prerequisite:** Completion of Freshman Orchestra or Teacher Approval

Grades: 10 - 12

Terms: 4

### **5013/5014/5015/5016 Concert Orchestra**

Students in grades 11-12 are eligible for Concert Orchestra by audition only. 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 the chamber orchestra, small ensembles and participate in concerts and contests.

**Prerequisite:** Audition

Grades: 11-12

Terms: 4

### **5044/5045/5046/5047 Freshman Choir**

The Freshman Choir is a large group choral ensemble designed for 9th grade students. Students meet for a full block for a full year, alternating days with PE 9 or with Freshman Band or Orchestra. The course includes the rehearsal and performance of a variety of choral music styles. Emphasis in this class is placed on skill development in choral singing and performance, the study of basic music theory, and vocal development. Choir students will participate in concerts, festivals, and other performance opportunities.

Grade: 9

Terms: 4 (Alternate Days)

### **5031/5032/5033 Varsity Choir**

The Varsity Choir is a large group choral ensemble designed to continue the development of vocal performance skills for students in grades 10-12. The course includes the rehearsal and performance of a variety of choral music styles. Emphasis in this class is placed on skill development in choral singing and performance, the study of music rudiments, and vocal development. Choir students will participate in concerts, festivals, and other performance opportunities. The choir director places students into the Varsity Choir.

**Prerequisites:** Teacher Approval

Grades: 10-12

Terms: 3

### **5009/5010/5011/5012 Concert Choir**

This is the most advanced choral ensemble at BHS and is designed for mixed voices. 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. Students in grades 11-12 are eligible by audition only and must register for the full year unless given permission by the instructor.

**Prerequisites:** Audition

Grades: 11-12

Terms: 4

### **5060 Beginning Guitar Class**

All students in grades 9-12 are eligible to take Beginning Guitar Class. No previous music experience is required. This course is intended for students who have never played guitar before. Skills covered in the class include reading and performing melodies from music notation, reading and performing chords, reading and performing tablature, songwriting, and musical collaboration. Beginning Guitar Class meets every day for the term.

Grades: 9-12

Terms: 1

### **5001/5002 Advanced Placement (AP) Music Theory**

This course will be offered during terms 2& 3 to allow students to participate in the History of Classical Music (see below) and complete the theory course prior to the scheduled AP test. It is recommended that students taking this course have an understanding of basic music theory. **Students planning to take the AP Music Theory test in the spring are also required to take the History of Classical Music class 1<sup>st</sup> term.** This course will cover music theory including the elements of music, scales, chord analysis, and music composition.

**Prerequisite:** Teacher Approval

Grades: 11-12

Terms: 2



### **5004 The History of Classical Music**

This course will focus on listening to and studying classical music from the Medieval through the 20<sup>th</sup> Century periods. Students will become knowledgeable about a wide variety of musical styles and composers and will be able to identify and write descriptively about fifty different compositions from the past thousand years. This course is designed to be taken during 1<sup>st</sup> term so that students in AP Theory may take both courses.

Grades: 11-12

Terms: 1

### **5026 Music in America**

This course is a survey of American music from the Civil War period through the present day. Styles of music studied will include folk, blues, jazz, musical theater, popular music through the ages, and rock (not that heavy classical stuff). No prior musical experience is required but an appreciation for all styles of music is encouraged.

Grades: 9-12

Terms: 1

## **Physical Education**

**Young people are our most valuable resources, and their health, education and well-being is a very important responsibility of schools.**

Regular physical activity

- Improves strength and endurance
- Helps build healthy bones and muscles
- Helps control weight
- Reduces anxiety and stress
- May improve blood pressure and cholesterol levels

**The BHS Physical Education department takes pride in the facilities, curriculum and technology used in classes. Students are exposed to a wide variety of opportunities to increase their fitness levels. All students are encouraged to exercise regularly and develop habits that emphasize enjoyable physical activities that can be continued throughout life.**

### **5502/5503 Physical Education 9 or 5036/5037/5038/5039 PE 9 (Band, Orchestra & Choir students)**

9<sup>th</sup> grade physical education is a required course covering 2 terms. 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.

Grade: 9

Terms: 2

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## **CHOOSE ONE OF THE 3 FOLLOWING PE 10 COURSES:**

1)

### **5504 PE 10 Personal Fitness**

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. **OR**

2)

### **5505 PE 10 Team Fitness**

This course will focus on developing and enhancing individual movement competency and motor skills. This class is for the student wanting to achieve a higher level of skill and fitness in a team sport environment. The importance of cardiovascular fitness will be embedded in the class as students will wear heart rate monitors and will be assessed on time in target heart rate zone. Students will also be assessed in sport skill performance and written assessments of sport knowledge. This class will include, but is not limited to team sports such as soccer, basketball, floor hockey, speedball and volleyball. Students will participate and practice in drills and mini-games leading up to a full game **OR**

3)

### **5517 PE 10 Fitness Online**

This course is an online 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.

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### **5506 9<sup>th</sup> Grade Strength & Conditioning**

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.

Grade: 9              Terms: 1

### **5507 10<sup>th</sup> Grade Strength & Conditioning**

This course will offer skills and instruction in physical conditioning. Emphasis will be placed on the review of total fitness training and assisting the students in developing their lifting techniques. The students will develop a higher level of conditioning and fitness. Students will wear heart rate monitors and will be assessed on the time in target heart rate zone.

**Prerequisite:** Pass 9<sup>th</sup> grade PE

Grade: 10              Terms: 1

### **5512 Lifetime Fitness - Level 1 Strength Training**

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.

**Prerequisites:** Pass PE 9 & 10

Grades: 11-12      Terms: 1

### **5513 Physical Image - Level 2 Strength Training**

This course is open to students interested in improving their physical fitness through an intense program of weightlifting and conditioning. Students will choose a training program of movement lifts or muscle lifts specific to their individual needs. A 3-day lifting and 2-day conditioning program will be used to meet individual needs. Heart rate monitors will be worn by students for assessment on the time in target heart rate zone.

**Prerequisite:** Lifetime Fitness

Grades: 11-12      Terms: 1

**5523 Online Fitness for Life****NEW COURSE!**

This course is an online course with 4-6 face to face meetings throughout the quarter. The instructional material will be administered through a Google site and e-mail communication with the instructor. The students will take pre and post tests to find fitness and knowledge baselines. Each student will use a heart rate monitor to assess and record strength and cardiovascular workouts to be done off site. The students will also work through a variety of health and fitness topics.

**Prerequisite:** Pass PE 9 & 10 and have a min 2.75 GPA

Grades: 11-12                      Terms: 1

**5508 Aerobics and Body Toning I**

This class is designed for students who wish to improve/maintain their physical fitness through a regular exercise schedule with routines in step aerobics, taebo, circuit training set to music, weight lifting, Yoga and Pilates. Aerobic exercise through jogging, walking and seasonal activities will also be included. The students will monitor heart rates regularly, do fitness assessments, and record keeping. Health related topics such as body composition and fitness myths are also analyzed. For an end of the term project students will design and lead a rhythmic workout which will keep themselves and their classmates moving in the target heart zone.

**Prerequisites:** Pass PE 9 & 10

Grades: 11-12                      Terms: 1

**5509 Competitive Level Team Sports**

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.

**Prerequisites:** Pass PE 9 & 10

Grades: 11-12                      Terms: 1

**5511 Indoor and Outdoor Recreation**

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.

**Prerequisites:** Pass PE 9 & 10

Grades: 11-12                      Terms: 1

**5510 CIS Exercise Physiology**

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 lead 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).**

Grades: 10-12                      Terms: 1

**5521 Inclusive Physical Education****5522 Inclusive Physical Education Mentor**

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.

Grades: 11-12                      Terms: 1

# Science

The Science program at BHS is designed to promote the serious study of science for every level of student ranging from the individual ready to enter the workforce upon high school graduation to that student seeking a career in the professional science, engineering, or health related fields. Societal trends in changing career fields heavily emphasize the knowledge and problem solving techniques experienced in the science courses we offer. All students are strongly encouraged to challenge themselves with the variety of lab oriented classes and College in the Schools courses offered by the BHS science department.

- Students wishing to enhance their future science course options by completing both Science 9 and Biology during their 9th grade year should speak with their counselor about this opportunity.

## **6060/6061 Science 9**

*NCAA approved*

Science 9 is a two-term physical/earth science course in which students are introduced to basic concepts in physics, chemistry and earth science. This course provides hands-on activities in the laboratory and opportunities for problem solving. Topics covered in this course include: science skills, motion, force and energy; matter, energy and earth; matter and its changes; electricity and magnetism; Earth's structure; and waves. This course is a fundamental class that is required before taking other courses of study in Science.

Grade: 9

Terms: 2

## **0127/0128 Arts Infused Science 9**

*NCAA approved*

This introductory physical/earth science course introduces basic concepts in physics, chemistry and earth science. Students will participate in hands-on activities in the laboratory and be given opportunities for practicing Artistic Inquiry. Topics covered in this course include: science skills, motion, force and energy; matter, energy and earth; matter and its changes; electricity and magnetism; earth's structure; and waves. This course provides a foundation for Arts Infused Biology, Arts Infused Chemistry, and Physics.

Grade: 9

Terms: 2

## **6010/6011 Biology**

*NCAA approved*

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, 9<sup>th</sup> 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.

**Prerequisites:** Science 9 or Chemistry

Grades: 10-12

Terms: 2

## **0162/0163 Arts Infused Biology 10**

*NCAA approved*

This course is structured around the Minnesota Academic Science Standards, primarily Life Science, but including some of the History and Nature of Science strand as well. 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. Learning activities are designed specifically to give students opportunities for inquiry, discovery and problem solving. Students will have many opportunities to express themselves artistically, whether through exploration for knowledge or displaying what they've already learned with drama, drawing, creative writing, and model design and construction, as well as oral presentations.

Grade: 10

Terms: 2

**6005/6006 Advanced Biology***NCAA approved*

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. *\*Advanced Biology, if taken in conjunction with Biotechnology(6008), a one term course, will prepare students to take the AP Biology exam.*

**Prerequisite** Biology or Arts Infused Biology

Grades 11-12

Terms: 2

**6008 Biotechnology***NCAA approved*

The Biotechnology course will investigate scientific concepts related to the exciting biological and physical components of biotechnology that affect our everyday life. Specific topics will include scientific methods, genetics and genetic engineering, cells and cell reproduction, DNA and protein synthesis. The course will also explore applications for biotech in the medical and agricultural areas and social issues related to biotechnology. Hands-on laboratory activities will provide opportunities for problem solving through practical application. One issue analysis project will be required. *\*Biotechnology, if taken in conjunction with Advanced Biology(6005/6006), a two term course, will prepare students to take the AP Biology exam.*

**Prerequisite:** Biology

Grades: 10-12

Terms: 1

**6018/6019 CIS Human Anatomy***NCAA approved*

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 of the fetal pig 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, student who are eligible for college credit will earn 3 credits from St. Cloud State University. (See the CIS table for eligibility criteria).**

Grades: 10-12

Terms: 2

**6022 Wildlife Biology**

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.

Grades: 10-12

Terms: 1

**6007 Astronomy***NCAA approved*

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.

Grades: 10-12

Terms: 1

**6020/6021 Physics***NCAA approved*

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.

**Prerequisites:** Algebra 2 & Trigonometry recommended

Grades: 11-12

Terms: 2

**6027 Sports Physics****NEW COURSE!**

Are you into a sport? Learn how physics can impact that sport. We will be learning the concepts of motion, force and energy through your engagement within your current sport. You will be required to video skills from the sport for analysis and your final project will be connecting the physics content to your sport. Sports can range from basketball to football, gymnastics to snowcross, or golf to lacrosse.

**Prerequisite:** Algebra 2 and must be active in a sport

Grades: 10-12

Terms: 1

**6073/6074 Chemistry***NCAA approved*

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.

**Prerequisite:** Science 9

Grades: 10-12

Terms: 2

**0156/0157 Arts Infused Chemistry 11***NCAA approved*

Arts Chemistry is for students in the Art Magnet program. This course in science will focus on the chemistry topics of measurement, atomic theory, bonding, molecular shapes, physical and chemical properties, chemical reactions, kinetic theory of gases, solution chemistry, and acids and bases. These topics will be infused with various labs and projects. Students will learn the chemistry involved in various art forms as well as demonstrate their understanding of chemistry through a range of art forms.

Grade: 11

Terms: 2

**6014/6015 CIS Chemistry I***NCAA approved*

CIS Chemistry I is a one semester (terms 1 & 2), science elective, intended for juniors and seniors who are college bound and wish to obtain a strong chemistry background. **Upon successful completion of the course, students who are eligible for college credit will earn 4 credits from Southwest MN State University. (See the CIS table for eligibility criteria).**

**Prerequisite:** Chemistry or Arts Infused Chemistry 11

Grades: 11-12

Terms: 2

**6094/6095 CIS Chemistry II***NCAA approved*

CIS Chemistry II is a one semester science elective, intended for juniors and seniors who are college bound and wish to obtain a strong chemistry background. **Upon successful completion of the course, students who are eligible for college credit will earn 5 credits from Southwest MN State University. (See the CIS table on for eligibility criteria).**

**Prerequisite:** CIS Chemistry I

Grades: 11-12

Terms: 2

**6023 Food Science****NEW COURSE!**

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.

**Prerequisite:** Have taken, or are currently taking, Chemistry

Grades: 10-12

Terms: 1

**6098 Earth Science A (Geology)**

Earth Science A will explore concepts related to the geology of Earth. Topics will include plate tectonics, weathering and erosion processes, changes to the shape of the land, geologic natural disasters, and the composition of the Earth. The class will also look at engineering practices that are related to geology. ***Students do not need to take Earth Science B to take this class.***

Grades: 10-12

Terms: 1

**6099 Earth Science B (Astronomy/Meteorology)**

Earth Science B will explore concepts related to astronomy and meteorology. Astronomy topics will include the formation and structure of the solar system, formation of stars, and the use of light to study our universe. Meteorology topics will include global weather/climate systems and the basics of weather prediction. This class will also include engineering practices related to both astronomy and meteorology. ***Students do not need to take Earth Science A to take this class. Students who have taken Astronomy or Meteorology prior to the 2018/2019 school year should not take the class.***

Grades: 10-12

Terms: 1

**0129 Arts Infused Forensic Science**

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, true-crime analysis, and Artistic Inquiry. Pre-requisites: Biology, Chemistry.

Grade: 11-12

Terms: 1

## Social Studies

**Social Studies classes provide students an opportunity to explore an extensive range of approaches people have taken to order their political, economic and social lives. The Social Studies Department will also incorporate into their classes' current events as they occur throughout our cities, counties, state, nation and world, and the use of technology as it applies to the various disciplines.**

**6501/6502 American Government**

*NCAA approved*

Students are exposed to the responsibilities citizens share in a democratic society. Introductions to the decision-making process plus current political and social issues are integrated into the course. National, state, and local government are also covered, as are the three branches. Contemporary constitutional issues are also discussed.

Grade: 9

Terms: 2

**0144/0145 Arts Infused American Government 9**

*NCAA approved*

Students are exposed to the responsibilities citizens share in a democratic society. Students will investigate the political roots of our country and also current political and social issues. National, state, local government and the 3 branches of government will also be covered. The teachers provide an interdisciplinary learning environment where students will use shared inquiry, arts, and performance in the process of learning about themselves and their relationship to their American political, historical and cultural heritage. The course includes equal state academic standards and core outcomes as American Government 9.

Grade: 9

Terms: 2

### **6509 Minnesota History**

Designed as a one term elective for 9. and 10. 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 Native Americans. We will study the Three Frontiers of our state which are lumbering, farming and mining. As a class we will also examine Minnesota's role in the Civil War. 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.

Grades: 9-10

Terms: 1

### **6505 Current Events I**

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.

Grades: 9-10

Terms: 1

### **6503/6504 American History**

*NCAA approved*

Students will study the events, ideas, and people that have shaped our nation. The class will explore events from colonial America through the Civil War, and into 20th Century America. Emphasis will be given to the study of primary sources; including documents, photographs, literature, and speeches. A focus will be placed on written expression through the use of graphic organizers, thesis development, and use of examples to support main ideas.

Grade: 10

Terms: 2

### **0152/0153 Arts Infused American History 10**

*NCAA approved*

Students explore their country's heritage with particular attention to our nation's great events, and to the people who experienced those moments. Students will also apply basic social studies skills, such as the reading of charts, graphs, and maps. The second half of the course is devoted to the United States, its' people and government, since 1900. The teachers provide an interdisciplinary learning environment where students will use shared inquiry, arts, and performance in the process of learning about themselves and their relationship to their American political, historical and cultural heritage. The course includes equal state academic standards and core outcomes as American History 10.

Grade: 10

Terms: 2

### **6516/6517 CIS US History**

*NCAA approved*

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 revolution, how the thirteen 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. 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. **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).**

**Prerequisites:** American Government & English 9 with an A

Grade: 10

Terms: 2



**6514/6515 World Studies***NCAA approved*

This course will allow students to study a combination of world history, geography, and cultures. Subjects studied range from ancient civilizations to modern day events and places from around the world. Throughout the course the following themes will be covered within each topic: Globalization, Revolutions, Civilizations, Diverse Perspectives, Social Movements, Imperialism, Technology Innovations, and Human Rights.

Grade: 11

Terms: 2

**0160/0161 Arts Infused World Studies 11***NCAA approved*

This course will allow students to study a combination of world history, geography, and cultures. A variety of artistic skills and inquiry will be used by examining works of art and cultural traditions throughout history. Performances and artists in residence will also be used as available during each term. Subjects studied range from ancient civilizations to modern day events and places from around the world. Throughout the course the following themes will be covered within each topic: Globalization, Revolutions, Civilizations, Diverse Perspectives, Social Movements, Imperialism, Technology Innovations, and Human Rights.

Grade: 11

Terms: 2

**6526/6527 CIS World History***NCAA Approved*

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. CIS World History does meet 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.**

Grade: 11

Terms: 2

**(See the CIS table for eligibility criteria).****6506 Current Events II**

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.

Grades: 11-12

Terms: 1

**6510 Social Issues & Diversity***NCAA approved*

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.

Grades: 11-12

Terms: 1

**6532 World Religions***NCAA approved*

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. 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.

Grades: 11-12

Terms: 1

**6507 Economics (may be available as a Hybrid)***NCAA approved*

Discover why economics is called “the science of decision making.” Economics is a one term course that covers Fundamental Concepts, Microeconomics, Macroeconomics and Globalization. We will examine decision making by individuals, households, and businesses. We will compare and contrast different economic systems, and discuss how America’s mixed economic system works. We will explore our economy as a whole, as well as how and why we interact with other economies around the world. We will think critically and apply economic concepts to the world around us. Students will also create their own personal finance knowledge base throughout the term. The class features many hands on activities and simulations, and online programs and resources.

Grades: 12 (grade 11 by special circumstance)

Terms: 1

**6522/6523 CIS Intro to Economics***NCAA approved*

Economics is a social science seeking to understand society and the science of decision making. Economics students investigate choice under conditions of scarcity. The major emphasis in the course will be on economic concepts and their application to current issues.

**Course goals:**

- Describe and use the “economic way of thinking” to analyze how people make decisions.
- Understand how markets and prices allocate resources and how government sometimes plays a positive and sometimes a negative role when attempting to influence markets.
- Identify the various causes of social problems such as pollution, crime, poverty and discrimination, and analyze the debates concerning the government’s role to correct or alleviate these problems.
- Explain why nations trade with one another, and analyze the debate regarding protectionism.
- Define measures of economic activity such as unemployment, inflation and economic growth.
- Identify market factors that influence economic activity and examine government policies that attempt to influence economic activity.

**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).**

Grades: 11-12

Terms: 2

**6511 Psychology A (may be available as a Hybrid)***NCAA approved*

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.

Grades: 11-12

Terms: 1

**6512 Psychology B (may be available as a Hybrid)***NCAA approved*

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.

**Prerequisite:** Psychology A

Grades: 11-12

Terms: 1

**6518/6519 CIS Introduction to Psychology 101***NCAA approved*

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.)**

**Prerequisite:** 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%.

Grades: 11-12

Terms: 2

**6537/6538 CIS Introduction to Sociology***NCAA approved*

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).**

Grades: 11-12

Terms: 2

**6528 History Through Film**

This one term course explores history through films made about various historical eras. Some films were made in the time they represent, while others are historical fiction, set in previous eras. For each film, the class will read relevant primary sources and occasionally secondary sources, and then the class will watch and discuss the film. This course will not teach a history of film but rather will help students understand history through a contextualization and critical viewing of historical films.

Grades: 9-12

Terms: 1

# Technology Education

The Technology Education department at Buffalo High School wants to help students explore as many job opportunities and life skills as possible throughout a student's high school career. We have areas of interest in communications, energy/power & transportation, and manufacturing. For the hobby lover in all of us, we offer several woods and metal classes. It is our intention to give every student at BHS the best possible education in technical fields. We offer many exploratory classes to allow students to experience a wide variety of technologies such as computer aided drafting (CAD), computer operated mill and lathe, computer graphics, digital video production, laser engraving/cutting, CNC plasma cutting, robotics, and 3D printing.

**7004 Energy, Power, and Transportation**

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.

Grades: 9-12

Terms: 1

**7017 Automotive Engineering and Design**

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.

Grades: 9-12

Terms: 1

### **7013 Wood Technology**

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.

Grades: 9-12

Terms: 1

### **7007/7008 Technology Exploration**

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.

Grades: 9-12

Terms: 1 or 2

### **7001 Introduction to CAD (Computer Aided Drafting)**

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.

Grades: 9-12

Terms: 1

### **7002 Architectural (House) Drawing**

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.

**Prerequisite:** Introduction to CAD

Grades: 10-12

Terms: 1

### **7016 CIS 3-D Mechanical Drawing**

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)**

**Prerequisite:** Introduction to CAD

Grades: 10-12

Terms: 1

### **7005 Electricity/Electronics**

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.

Grades: 9-12

Terms: 1

### **7014 CIS Woods II**

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).**

**Prerequisite:** Wood Technology

Grades: 10-12

Terms: 1

### **7015 CIS Woods III**

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. (College in the Schools (CIS) students completing Woods III may register for 3 college credits through St. Cloud State University. In order to be eligible for college credit you must be in grade 11 and in the top 33% of your class academically, or in grade 12 and in the top 50% of your class upon registering for this course.) **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)**

**Prerequisite:** CIS Woods II

Grades: 11-12

Terms: 1

### **7003 Introduction to Metals**

Basic metalworking skills are taught which involve welding, CNC machining, and sheet metal fabrication. A variety of assignments in welding, sheet metal, and machining will be done throughout the class. This course stresses exploration.

**Prerequisite:** *Students who have taken Machine Trades or Welding at WTC are not eligible.*

Grades: 9-12

Terms: 1

### **7010/7011 CIS Competitive Engineering**

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 both terms 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)**

Grades: 10-12

Terms: 2

### **7012 Visual Technology**

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 and 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. This class is excellent for those involved with yearbook and the school newspaper.

Grades: 10-12

Terms: 1

### **7019 Metal Fabrication**

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. You will explore things like blacksmithing, wrought iron work, sand casting, and many more. Plus, you will use the CNC plasma machine to create something of your own design.

Grades: 9-12

Terms: 1

### 7020 CIS Auto/Maintenance for Girls

This class is designed for just females at BHS. 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 and there are many opportunities for females. This class will be a good class for you to see if you are interested in having a career in the automotive world. This class won't make you an expert in the field, 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.

**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.**

Grades: 10-12

Terms: 1

(See the CIS table for eligibility criteria)

### 7021 CIS Auto Service & Maintenance

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.

**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.**

Grades: 10-12

Terms: 1

(See the CIS table for eligibility criteria)

### 7022 Robotics

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.

Grades: 9-12

Terms: 1

### 7023 Robotics II

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.

**Prerequisite:** Successful completion of Robotics with a B or higher

Grades: 9-12

Terms: 1

### 7024 Robotics III

This class expands upon the knowledge learned in Robotics I and Robotics II. This is especially for students who desire additional knowledge and challenges involving robotics. Students will learn about manipulators and how to use them with robotics. Students will add arms to their robots to be used in different games. They will also add a variety of sensors and switches to their robotic arms allowing it to accomplish various jobs. The course will end with advanced robotic game similar to those used in past FIRST robotics challenges.

**Prerequisite:** Successful completion of Robotics II

Grades: 10-12

Terms: 1

# World Language

The language department at BHS proudly offers three world languages students can explore: **French, German, and Spanish**. Studying a new language opens the door to a wide variety of opportunities including job marketability, social enlightenment, and travel enjoyment. All three language offerings promote cultural awareness, as well as reading, writing, speaking, and listening skills. Students can begin their world language experience as ninth graders and continue through high school, potentially testing out of several language courses at a college/university.

## 7531 Intro to World Languages

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.**

Grades: 9-12

Terms: 1

## LEVEL I

*NCAA approved*

**7536/7537 French I**

**7521/7522 German I**

**7501/7502 Spanish I**

Level I 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.

Grades: 9-12

Terms: 2

## LEVEL II

*NCAA approved*

**7513/7514 French II**

**7523/7524 German II**

**7503/7504 Spanish II**

This course is a continuation of level I, 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.

**Prerequisite:** Successful completion of level I with a C or above

Grades: 9-12

Terms: 2

### **LEVEL III**

*NCAA approved*

#### **7515/7516 French III**

#### **7525/7526 German III**

#### **7505/7506 Spanish III**

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.

**Prerequisite:** Successful completion of level II with a C or above.

Grades: 10-12

Terms: 2

### **LEVEL IV**

*NCAA approved*

#### **7517/7518 CIS French IV**

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 on page 7 for eligibility criteria.**

**Prerequisite for BHS credit:** Successful completion of French III with a C or above.

**Prerequisite for University of Minnesota credit:** Grades 11-12 only, successful completion of French III with a B or above, and/or in the top 30% of your graduating class (top 50% will be eligible for consideration)

Grades: 10-12 for BHS credit

Terms: 2

11-12 for U of M credits

#### **7527/7528 CIS German IV**

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 on page 7 for eligibility criteria.**

**Prerequisite for BHS credit:** Successful completion of German III with a C or above.

**Prerequisite for University of Minnesota credit:** Grades 11-12, successful completion of German III with a B or above, and/or in the top 30% of your graduating class (top 50% will be eligible for consideration)

Grades: 10-12 for BHS credit

Terms: 2

11-12 for U of M credits

#### **7507/7508 CIS Spanish IV**

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 on page 7 for eligibility criteria.**

**Prerequisite for BHS credit :** Successful completion of Spanish III with a C or above.

**Prerequisite for University of Minnesota credit:** Grades 11-12, successful completion of Spanish III with a B or above, and in the top 30% of your class (top 50% will be eligible for consideration)

Grades: 10-12 for BHS credit \*Grade 10 needs instructor permission Terms: 2



**LEVEL V****\*\*Offered every other year -- 2020-21\*\****NCAA approved***7529/7530 CIS German V**

Level V: 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.**

**Prerequisite for BHS credit:** Successful completion of German IV with a C or above.

**Prerequisite for University of Minnesota credit:** Successful completion of German IV with a B or above, and in the top 30% of your class (top 50% will be eligible for consideration)

Grades: 11-12

Terms: 2

**(See the CIS table for eligibility criteria)****7519/7520 CIS French V**

Level V is a continuation of level IV 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.**

**Prerequisite for BHS credit:** Successful completion of French IV with a C or above.

**Prerequisite for University of Minnesota credit:** Successful completion of French IV with a B or above, and in the top 30% of your class (top 50% will be eligible for consideration)

Grades: 11-12

Terms: 2

**(See the CIS table for eligibility criteria)****7509/7510 CIS Spanish V**

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 21<sup>st</sup> 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.**

**Prerequisite for BHS credit:** Successful completion of Spanish IV with a C or above.

**Prerequisite for University of Minnesota credit:** Successful completion of Spanish IV with a B or above, and in the top 30% of your class (top 50% will be eligible for consideration)

Grades: 11-12

Terms: 2

## Arts Magnet Program

### **“Academic Excellence through Artistic Inquiry”**

**The Buffalo High School Arts Magnet Program promotes academic excellence through artistic inquiry, by motivating students with an interest in visual, performing, literary, media and applied arts. The unique program, launched in 2006 is open to any student in the Northwest Suburban Integrated School District (NWSISD). The Arts Magnet Program operates within Buffalo High school offering students a small school environment with all the options of a large-school setting.**

**The curriculum is based on the belief that infusing the arts across the academic disciplines improves academic achievement, supports the growth of 21st century skills and prepares students for whatever career path they chose. The arts activities engage students to think creatively, collaborate with peers and advisors, apply critical thinking skills and learn to communicate their ideas. Because the arts cross cultural and socio-economic boundaries, they prepare students to become inclusive and creative members of their community.**

## Buffalo High School Arts Magnet Graduation Requirements

To graduate with an Arts Magnet designation you must be making yearly progress toward the BHS Standards for graduation. Thirty Credits are required. For a student to graduate with an Arts Magnet Designation the following course work is prescribed. Arts Infused classes are designed to encourage artistic skill in problem solving and also meet the standards and rigor of the Minnesota Department of Education and are NCAA approved.

In addition to class work students will create an e-portfolio where you will upload evidence of your best works. It will be added to and evaluated yearly.

Program	Credits	Arts Magnet Requirement
English	1 credit	AI English 9
	1 credit	AI American Literature 10
	2 credits	Student choice Can Include: AI World Literature 11
Math	3 credits *sequence depends on student performance and ability. Must include 1 credit of Algebra 2	Algebra 1.5 Geometry Algebra 2
Science	1 credit	Science 9/AI Physical Science
	1 credit	AI Biology 10
	1 credit	Choice of Physics or AI Chemistry 11 Additional Elective: AI Forensic Science
Social Studies	1 credit	AI American Government 9
	1 credit	AI American History 10
	1 credit	AI World Studies 11
Economics	.5 credit	Economics
Humanities	1 credit	AI Arts Foundations is required for all Arts Magnet students.
Physical Ed.	1 credit	Physical Education 9
	.5 credit	Physical Education 10 Elective Course
Health	.5 credit	Health 10
Senior Capstone	.5 credit	Capstone* is your senior project class and is required for all arts magnet students.
Remaining classes	13 credits	It is expected that you will participate in classes that are directly related to your chosen field of art and encouraged to take some from other art fields as well.

AI = Arts Infused

*\*The Capstone requirement only applies to the Arts Magnet designation. It does not affect your graduation provided you have met the BHS 30 credit requirement as stated above.*

# Arts Infused Core Courses

## **0118/0119 Arts Infused Foundations**

The Arts Infused Foundations course focuses on the process of Artistic Inquiry. Students will use various art skills to:

- Identify projects which support and enhance their artistic skill
- Create a short written plan for each project
- Be able to explain and support with research their choice of project
- Analyze current research for background of the project
- Be able to create a detailed list of needs and resources for the work presented
- Analyze and synthesize the potential action and reaction of the audience to their work
- Be able to carry one project through to completion based on self-directed research
- Present a written reflection on their work
- Begin work on an art focused E-portfolio
- Create an Artist Statement
- The class ends in a showcase of projects that represents the student's best work.

Grade: 9

Terms: 2

## **0127/0128 Arts Infused Science 9**

*NCAA approved*

This introductory physical/earth science course introduces basic concepts in physics, chemistry and earth science. Students will participate in hands-on activities in the laboratory and be given opportunities for practicing Artistic Inquiry. Topics covered in this course include: science skills, motion, force and energy; matter, energy and earth; matter and its changes; electricity and magnetism; earth's structure; and waves. This course provides a foundation for Arts Infused Biology, Arts Infused Chemistry, and Physics.

Grade: 9

Terms: 2

## **0162/0163 Arts Infused Biology 10**

*NCAA approved*

This course is structured around the Minnesota Academic Science Standards, primarily Life Science, but including some of the History and Nature of Science strand as well. 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. Learning activities are designed specifically to give students opportunities for inquiry, discovery and problem solving. Students will have many opportunities to express themselves artistically, whether through exploration for knowledge or displaying what they've already learned with drama, drawing, creative writing, and model design and construction, as well as oral presentations.

Grade: 10

Terms: 2

## **0156/0157 Arts Infused Chemistry 11**

*NCAA approved*

Arts Chemistry is for students in the Art Magnet program. This course in science will focus on the chemistry topics of measurement, atomic theory, bonding, molecular shapes, physical and chemical properties, chemical reactions, kinetic theory of gases, solution chemistry, and acids and bases. These topics will be infused with various labs and projects. Students will learn the chemistry involved in various art forms as well as demonstrate their understanding of chemistry through a range of art forms.

Grade: 11

Terms: 2

## **0129 Arts Infused Forensic Science**

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, true-crime analysis, and Artistic Inquiry. Pre-requisites: Biology, Chemistry.

Grade: 11-12

Terms: 1

**0144/0145 Arts Infused American Government 9***NCAA approved*

Students are exposed to the responsibilities citizens share in a democratic society. Students will investigate the political roots of our country and also current political and social issues. National, state, local government and the 3 branches of government will also be covered. The teachers provide an interdisciplinary learning environment where students will use shared inquiry, arts, and performance in the process of learning about themselves and their relationship to their American political, historical and cultural heritage. The course includes equal state academic standards and core outcomes as American Government 9.

Grade: 9

Terms: 2

**0152/0153 Arts Infused American History 10***NCAA approved*

Students explore their country's heritage with particular attention to our nation's great events, and to the people who experienced those moments. Students will also apply basic social studies skills, such as the reading of charts, graphs, and maps. The second half of the course is devoted to the United States, its' people and government, since 1900. The teachers provide an interdisciplinary learning environment where students will use shared inquiry, arts, and performance in the process of learning about themselves and their relationship to their American political, historical and cultural heritage. The course includes equal state academic standards and core outcomes as American History 10.

Grade: 10

Terms: 2

**0160/0161 Arts Infused World Studies 11***NCAA approved*

This course will allow students to study a combination of world history, geography, and cultures. A variety of artistic skills and inquiry will be used by examining works of art and cultural traditions throughout history. Performances and artists in residence will also be used as available during each term. Subjects studied range from ancient civilizations to modern day events and places from around the world. Throughout the course the following themes will be covered within each topic: Globalization, Revolutions, Civilizations, Diverse Perspectives, Social Movements, Imperialism, Technology Innovations, and Human Rights.

Grade: 11

Terms: 2

**0142/0143 Arts Infused English 9***NCAA approved*

Arts Infused English 9, built on Common Core Standards, 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. The teachers provide an interdisciplinary learning environment where students will use shared inquiry, arts, and performance in the process of learning about themselves and their relationship to fiction and non-fiction texts. The course includes equal state academic standards and core outcomes as English 9.

Grade: 9

Terms: 2

**0150/0151 Arts Infused English 10***NCAA approved*

Arts Infused English 10 is designed to build on the skills and interests developed in Arts Infused 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. The teachers provide an interdisciplinary learning environment where students will use shared inquiry, arts, and performance in the process of learning about themselves and their relationship to fiction and non-fiction texts. The course includes equal state academic standards and core outcomes as English 10.

Grade: 10

Terms: 2

**0158/0159 Arts Infused World Literature***NCAA approved*

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. The teachers provide an interdisciplinary learning environment where students will use shared inquiry, arts, and performance in the process of learning about themselves and their relationship to other cultures.

Grade: 11

Terms: 2

**0003 Senior Capstone Project**

The Senior Capstone is a workshop class where students develop a significant piece of art through the process of artistic inquiry. The class guides the students through the process which includes questioning, research, proposing, creating, presenting and reflection. The class can be taken for a humanities credit without completing the project. Completed projects are shown at a Gala in the spring and allow the student to walk at graduation with a white tassel.

Grade: 12

Terms: 1

# Wright Technical Center

## CAREER & TECHNICAL EDUCATION PROGRAMS

**Grade: 11-12**

**8100/8101/8102/8103 Automotive Technology**

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.

*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.*

<b>Program Highlights</b>	<b>Skills Needed for Success</b>
<b>You will be trained in the following 4 areas:</b>	Must be able to work independently
Brakes	Mechanical Aptitude
Steering & Suspension	Good problem solving skills
Basic Electricity & Electronics	Detail oriented
Engine performance	Manual dexterity
	Strong technical reading, writing, math & computer skills
	Team player, responsible & good communicator

**College Credit Opportunities & Professional Certifications**

In the Automotive Technology course, you can earn ASE certifications and college credits. Student 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.

### **8117/8118/8119/8120 Construction Technology**

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. There is a required **payment of \$25.00** for tools, safety glasses, and hard hats.

*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.*

<b>Program Highlights</b>	<b>Skills Needed for Success</b>
Construction terminology	Must be able to work independently
Tool identification, safety & use	Manual dexterity
Blueprint reading, layout and framing	Hand and eye coordination
Exterior sheathing, roofing, siding, window & door installation	Physical stamina
Interior finishing: insulating, drywall & taping, painting	Strong math skills and problem-solving skills
Concrete & masonry	Dependability & strong work ethic
Wood manufacturing & cabinetry	
Commercial construction	

#### 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 Community and Technical College, and St. Cloud State University.

### **8136/8137/8138/8139 Cosmetology Careers**

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 **\$45** for the purchase of your own mannequin head.

<b>Program Highlights</b>	<b>Skills Needed for Success</b>
<b>Students with an interest and passion for Cosmetology will focus on the areas of:</b>	Must be able to work both independently and with others.
Cosmetology theory	Strong hand and eye coordination
MN state BCE Laws & Rules	Positive professional attitude, friendly and likeable personality
Infection control and safety	Proficient math (algebra), 9 <sup>th</sup> grade reading comprehension and strong writing skills
Nail care, manicures, nail art and pedicures	Dependability and a strong work ethic
Scalp/Hair care, draping, shampooing, and conditioning treatments	Effective communication skills
Hair design (styling)	Stamina for standing lengths of time
Hair shaping (hair cutting)	Strong manual dexterity
Hair coloring, foiling and color techniques	Critical thinking skills
Chemical texture (perming)	Situational awareness
Skin care and basic gentle cleansing facials	

#### College Credit Opportunities

College credits and/or hours can be transferred to following cosmetology colleges: Aveda Institute, Atelier Academy of Beauty, Empire Schools, Minnesota School of Cosmetology, PCI Academy & Ridgewater College.

### **8113/8114/8115/8116 Early Childhood & Elementary Careers**

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.*

<b>Program Highlights</b>	<b>Skills Needed for Success</b>
<b>Throughout the course you will:</b>	Excellent communication and social skills
Work hands-on with preschool children	Professional behavior
Study child development	Proficient reading and math skills (minimum of 6 <sup>th</sup> grade reading level)
Learn classroom behavior management techniques	Being alert and aware of what's going on around you.
Create hands-on learning projects and activities	Ability to handle on-the-job experiences in public settings.
Experience caring for an electronic baby	
Intern in elementary schools, preschools, or day care center	

#### 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.

### **8001/8002/8003/8004 Engineering - PLTW**

**Must be taken with OJT or YA**

\*Offered 12:35-2:20 pm only

The Project Lead the Way (PLTW) program is a sequence of courses which introduces students to the scope, rigor and discipline of engineering prior to entering a technical college or a four-year program. Students will learn and apply the design process, acquire strong teamwork and communication proficiency and develop organizational, critical thinking and problem-solving skills. Students use the same industry leading 3D design software used by companies like Intel, Lockheed Martin and Pixar. Students will also spend time on career research with the intent of having an action plan for their future career in the manufacturing or engineering fields.

Introduction to Engineering – Semester 1

Principles of Engineering – Semester 2

<b>Program Highlights</b>	<b>Skills Needed for Success</b>
Learn and apply the design process	High interest in Mathematics & Science
Realistic application of math, science, and engineering standards	Utilize more Science to solve problems
Hands-on projects	Self-motivation
Work both individually and in teams	Work through difficult problems with rewarding results
Design solutions to a variety of problems	Knowledge of computer basics
Use 3D CAD modeling software	

#### 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: Anoka Technical College, Normandale Community College, St. Paul College, St. Cloud State University, St. Cloud Technical & Community College, and South Central College - Mankato.

### **8141/8142/8143/8144 Health Science Technology & Nursing Assistant**

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 become a nursing assistant/Home Health Aide.

You have the option of becoming certified in BLS (Basic Life Support) First Aid. 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/home health aid exam.

<b>Program Highlights – This program teaches;</b>	<b>Skills Needed for Success</b>
The variety of medical career options	Strong math, technical reading & writing skills (minimum of 6 <sup>th</sup> grade reading level)
Medical terminology & abbreviations	Identify & solve problems quickly
Anatomy & physiology	Good hand-eye coordination
Nursing Assistant training (NAR) & Home Health Aide Training (HHA)	Good communication skills
Leadership skills by participating in a professional student organization (HOSA)	Excellent people & teamwork skills
Job seeking skills	Demonstrate patience, understanding and ability to be empathic
CPR & First Aid for the Healthcare Provider	Honest & trustworthy
	Conscientious, dependable & responsible
	Courteous & respectful

#### 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 Community & Technical 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).

### **9993/9994/9995/9996 Horticulture Careers**

This course will introduce student to horticulture science and the many career opportunities in nursery production, greenhouse operations, garden and landscape design, and floriculture industries. Students will learn about plant anatomy, physiology and genetics as they grow vegetable and ornamental crops in a state-of-the-art greenhouse and hydroculture lab.

<b>Program Highlights</b>	<b>Skills Needed for Success</b>
Areas of study in the Horticulture program include:	Dependability and a strong work ethic
Plant Anatomy, Physiology & Genetics	Strong math, writing and reading skills
Plant Propagation	Critical thinking skills
Nursery Production	High interest in Science
Greenhouse Operations	
Floriculture & Floral Design	
Hydroculture Food Production	
Sustainable Landscaping & Design	
Career Exploration	

#### Possible College Credit Opportunities

College credits can also be earned if you maintain a B or above grade at the following schools: Central Lakes College, Hennepin Tech, and Ridgewater.



### **8132/8133/8134/8135 Welding Technology**

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 and have the approval of the instructor to participate.*

<b>Program Highlights</b>	<b>Skills Needed for Success</b>
<b>This hands-on course will teach you:</b>	Must be able to work independently
Welding safety and equipment use	Mechanical aptitude
SMAW, GMAW, FCAW-G, GTAW, OAW	Manual dexterity
Oxyacetylene and flame cutting	Eye-hand coordination
Blue-print reading	Detail oriented
CNC plasma cutting	Ability to problem solve
	Strong Math & Reading Skills
	Good vision

#### 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, and St. Cloud Technical & Community College.

### **9930/9931/9932/9933 - Creating Entrepreneurial Opportunities - CEO**

*\*Offered Mornings Only (7:30 – 8:50 am)*

Would you like to own your own business some day? 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. Applications are available mid-year in your high school guidance office.*

<b>Program Highlights</b>	<b>Skills Needed for Success</b>
Provide opportunities for students to be engaged, curious, and ready to learn about modern business practices	Students must be able to dress and act professionally
Educate students on the opportunities in their communities	Students must be extremely punctual
Create new and innovative businesses	Students must provide their own transportation
Provide real-world, real-life experiences for students	
Connect students with business professionals	
Transform the way young people view the world and their future	
Inspire and encourage young people to return to their communities to live, work, raise families and start businesses	
Provide opportunity for each student to start their own business	
Provide a mentor from the business community for each CEO student.	

## **8044/8045/8046/8047 Law Enforcement & Emergency Medical Responder**

In the Law Enforcement and First 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 first 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.*

### Program Highlights

Areas of study for Law Enforcement will include:

- Crime Scene Investigation
- Criminal justice: policing, courts & corrections
- Patrol procedures and tactics
- Squad car familiarization
- Ethics
- High and low risk traffic stop techniques
- Radio communication
- Fingerprinting and booking
- Criminal & traffic statutes
- Report writing
- Computerized firing range
- Defensive tactics
- Military obstacle & climbing wall
- DUI driving course
- Computerized criminal cases

Areas of study for First Responder will include:

- First responder certification
- CPR & AED certification
- Advanced First Aid
- Blood borne pathogens training

### Skills Needed For Success

- Must be able to work independently
- Strong writing and reading skills
- Critical thinking skills
- Detail orientated
- Decisiveness
- Listening & public speaking skills
- Time management skills

### 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.

## **9940/9941/9942/9943 Youth Apprenticeship - YA**

### *\*Fourth Block Only*

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 Highlights

- Industry-developed skill standards in the following program areas:
  - Agriculture, Food and Natural Resources
  - Architecture and Construction
  - Arts, A/V Technology & Communications
  - Finance
  - Health Science
  - Hospitality, Lodging, and Tourism
  - Human Services
  - Information Technology
  - Manufacturing
  - Science, Technology, Engineering, & Math
  - Transportation, Distribution & Logistics
- Exposure to multiple aspects of the industry
- Skilled mentors assigned to train the students
- Paid work experience
- Related classroom instruction concurrent with work-based learning
- Performance evaluation of demonstrated competencies
- State-issued skill certificate

### Skills Needed for Success

- Dependability and a strong work ethic
- Ability to work as a team member
- Excellent communication verbal skills
- Basic reading, writing and math skills
- Work-readiness skills
- Willingness to improve your people skills
- Completion of online safety training

### 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

## **8025/8026/8027/8028 Graphic Communications**

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.*

<b>Program Highlights</b>	<b>Skills Needed for Success</b>
Throughout the course you will learn:	Ability to organize information visually
Electronic Publishing	Ability to read and follow directions
Adobe Photoshop & Illustrator	Hand-eye coordination
Adobe In-Design	Ability to work quickly and accurately
Package Design	Creative ability and problem-solving skills
Vinyl Sign and Apparel Design	Basic math and reading skills
Screen Printing	
Google Sketch Up	
Digital Portfolio	

### College Credit Opportunities

College credits can also be earned if you maintain a “B” or better grade at the following schools: Alexandria Technical & Community College, Central Lakes College, Dakota County Technical College, Dunwoody College of Technology, Hennepin Technical College, Ridgewater College, Riverland Community College, Rochester Community & Technical College and South-Central College.