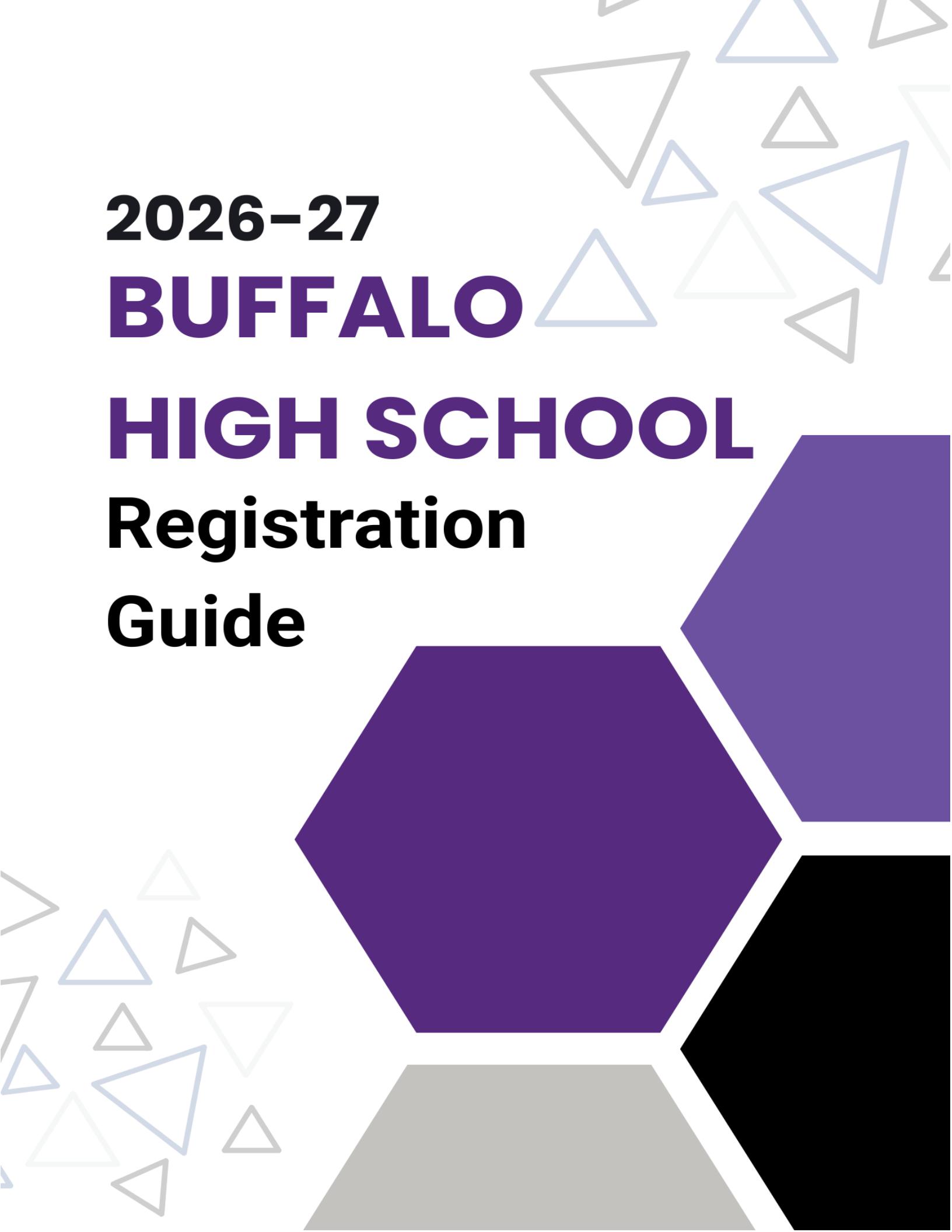


**2026-27**

**BUFFALO**

**HIGH SCHOOL**

**Registration  
Guide**



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# A LETTER FROM YOUR SCHOOL COUNSELORS

## Welcome to BHS!

As your High School Counselors we will be part of your team from before you step into our building until you earn your Buffalo High School diploma. We are available to support you throughout the entirety of your **academic** journey; this includes selecting courses in both interest and stretch areas to assist in 4-year academic planning to set you up for success well after your time here at BHS. We are ready to help you become **college or career** ready upon graduation. This is achieved by helping you in identifying your areas of interest and establishing goals for your future. We are available for any **social/emotional** counseling that you may request along the way.

## Some opportunities you'll have at BHS include:

- College in the Schools Courses — We have 35+ courses through multiple partner colleges, offering up to 120 free college credits
- Career and Technical Education (CTE) classes that build real-world, hands-on skills
- Bison Online — online courses designed to offer flexible learning for students who thrive in flexible settings
- Peer Coaching
- Partnering in one of our many Unified classes
- Joining a B1 Bison activity
- Becoming a B1 Leader
- Participating in post-high school exploration events
  - Apprenticeship
  - College
  - Military
  - Workforce



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## COURSE SELECTION



LOOK FOR THESE ICONS  
WHEN MAKING YOUR PLAN



Advanced Placement (AP)

College Credit Opportunity



College in the Schools (CIS)

College Credit Opportunity



NCAA Approved



Fine Arts Credit



College & Career Readiness Courses



Use the QR Code to explore more  
about Career Pathways @ BHS

### TIPS FOR SELECTING COURSES

- Review the graduation requirements for your class year.
- Consider a four-year plan that keeps future options open.
- Choose classes that match your interests, goals, and potential careers.
- Check prerequisites and aim for a balanced schedule with both engaging and challenging courses.
- Choose your classes carefully. Don't hesitate to reach out with questions as you make decisions about your schedule.

### SCHEDULE CHANGE POLICY

#### Yes:

- The student does not have the prerequisite(s)
- The student failed a class
- There is an obvious error (two classes at the same time)
- To add a class that is needed to graduate
- The schedule is unbalanced
- Open/Empty class period within a student's schedule

#### No:

- Request a specific teacher
- Request a specific trimester or class period
- Change lunch periods
- Have a class or lunch with a friend
- Leave to attend school or non-school sanctioned activities

All schedule changes must be completed by the end of the student's school day on the 2nd day of the term in which the class is scheduled for.

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

### Future Planning:

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

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



## DEFINITION OF TERMS

**AP (Advanced Placement)** - AP courses are classes that are taught in alignment with a corresponding AP Exam. Upon completion of the course, students have the option to take the AP Exam. To earn college credit a student typically needs to score of 3, 4, or 5 on the exam.

**AVID (Advancement Via Individual Determination)** - AVID is a college and career readiness program designed to help students develop the skills they need to succeed in school and beyond. Students have to apply and to be accepted to join the program.

**Bison Online** - BHS offers a fully asynchronous, online option for students who would like to attend full-time or part-time online. Students in Bison Online are full-time BHS students.

**Career Pathway** - Many of our elective courses are aligned with broad career fields. Students are encouraged to reflect on their potential career options and choose courses that will allow them to explore the skills and interests related to this career field.

**CIS (College-in-the-Schools)** - Students can take concurrent enrollment classes, which earn both high school and college credit. This course are taught by BHS teachers, but students are also enrolled with the partnering college. All classes are taught at BHS and are tuition free.

**Credit** - All one-trimester courses are assigned 0.5 credits toward graduation. A typical "year-long" class is two trimesters and will be worth 1.0 credits.

**Hybrid** - All hybrid class have a mixture of in-person and off-site learning. For example, a student may have class scheduled for 3 day per week, and be able to leave campus for the other 2 days, if they are demonstrating success in the course.

**PSEO (Post-Secondary Education Option)** - This program is for eligible 10th-12th grade students to apply to a Minnesota College/University take college level courses. These courses are not Buffalo High School courses and are subject to policies of each college/university.

**WTC (Wright Tech Center)** - Located in Buffalo, the Wright Tech Center allows a limited number of juniors and seniors to participate in their career and technical education courses. These courses are year-long and are taught by Wright Tech Center staff.

## PLANNING FOR GRADUATION

Class of 2027 Graduation Requirements	
<b>English</b> (4.0 Credits)	English 9, English 10, English Lit & Comp., English Elective
<b>Math</b> (3.0 Credits)	Intermediate Algebra, Geometry, Algebra 2
<b>Science</b> (3.0 Credits)	Earth Science, Biology, Chemistry or Physics
<b>Social Studies</b> (3.5 Credits)	Government & Citizenship, US History, World History, Economics
<b>Business</b> (0.5 Credits)	Personal Finance
<b>Fine Arts</b> (1.0 Credits)	All Art & Music Courses, See reg guide for more options
<b>Phys. Ed./Health</b> (1.5 Credits)	PE 9, PE 10, Health 10
<b>Electives</b> (11+ Credits)	Your choice of courses that support your interests and goals
<b>Total Required Credits</b>	<b>27.5 credits</b>

Class of 2028, 2029, and 2030 Graduation Requirements	
<b>English</b> (4.0 Credits)	English 9, English 10, English Lit & Comp., English Elective
<b>Math</b> (3.0 Credits)	Intermediate Algebra, Geometry, Algebra 2
<b>Science</b> (3.0 Credits)	Earth Science, Biology, Chemistry or Physics
<b>Social Studies</b> (3.5 Credits)	Human Geography, US History, World History, Economics, Government & Citizenship
<b>Business</b> (0.5 Credits)	Personal Finance
<b>Fine Arts</b> (1.0 Credits)	All Art & Music Courses, See reg guide for more options
<b>Phys. Ed./Health</b> (1.5 Credits)	PE 9, PE 10, Health 10
<b>Electives</b> (11+ Credits)	Your choice of courses that support your interests and goals
<b>Total Required Credits</b>	<b>27.5 credits</b>

## **COLLEGE ADMISSION RECOMMENDATIONS**

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

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

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

## **OFFICIAL HIGH SCHOOL TRANSCRIPTS**

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

**Register for your free account at: [www.parchment.com](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 \$4-5.
- Watch your email & Parchment profile for updates.

## **TRANSCRIPT REQUEST FOR CIS CLASSES**

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

Partnering colleges include:

Anoka-Ramsey Community College	Southwest Minnesota State University
Central Lakes College	St Cloud State University
Hennepin Technical College	University of Minnesota – Twin Cities
North Hennepin Community College	



# **COLLEGE OR UNIVERSITY STUDENT ATHLETICS**

## **Division I or II Student Athletes**



### **NCAA Information**

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

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

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

### **CORE COURSE GUIDELINES**

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

#### **DIVISION I**

Complete 16 core courses:

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

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

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

\*Earn at least a 2.3 GPA in core courses.

\*See Counselor re: qualifying college admission test score.

#### **DIVISION II**

Complete 16 core courses:

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

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

\*See Counselor re: qualifying college admission test score.

## **DUAL HIGH SCHOOL AND COLLEGE CREDIT OPTIONS:**

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

### **Advanced Placement (AP) Courses:**

AP Calculus A/B

AP Calculus B/C

AP Computer Science

AP Environmental Science

### **Post-Secondary Enrollment Option ACT (PSEO)**

Public school 10th, 11th and 12th grade students may be eligible to participate in this program. The purpose of the program is to promote rigorous educational pursuits, and provide a wider variety of options to high school students by enabling 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. **Students must communicate their intent to enroll in any PSEO Coursework by May 30 of the spring prior to the school year (fall term) or by October 30 (spring term).** See your counselor for more information.

## MN Transfer Curriculum

The Minnesota Transfer Curriculum (MnTC) is a means by which students may transfer their completed lower division general education requirements to any public university in Minnesota. The MnTC is the general education component (40 credits) of an Associates Degree. The specified transfer curriculum will be accepted as a package, allowing transfer of general education from two-year colleges to universities or for transfers from one university to another. All such "packaged" courses or transfer curricula are certified by the faculty of the sponsoring MN state school as meeting the goals and student competencies agreed upon by representatives of all public higher education systems in the Minnesota state school system.

-Taken from Ridgewater College

[Link to goal areas specifics](#)

<https://ridgewater.edu/academics/minnesota-transfer-curriculum/>

<b>MnTC Goal Area 1: Communication</b> 9 credits/3 courses <b>Goal:</b> To develop writers and speakers who use the English language effectively and who read, write, speak and listen critically.	<b>MnTC Goal Area 2: Critical Thinking</b> Satisfied by completing one course each from MnTC Goal Areas 1, 3, 4, 5 and 6. <b>Goal:</b> To develop thinkers who are able to unify factual, creative, rational and value-sensitive modes of thought.
<b>MnTC Goal Area 3: Natural Sciences</b> Minimum 8 credits/2 disciplines <b>Goal:</b> To improve students' understanding of natural science principles and of the methods of scientific inquiry. Students are encouraged to study both the biological and physical sciences.	<b>MnTC Goal Area 4: Mathematical/Logical Reasoning</b> Minimum 3 credits/1 course <b>Goal:</b> To increase students' knowledge about mathematical and logical modes of thinking.
<b>MnTC Goal Area 5: History and the Social and Behavioral Sciences</b> Minimum 9 credits/2 disciplines required <b>Goal:</b> To increase students' knowledge of how historians and social and behavioral scientists discover, describe and explain the behaviors and interactions among individuals, groups, institutions, events and ideas.	<b>MnTC Goal Area 6: The Humanities and Fine Arts</b> Minimum 9 credits/2 disciplines <b>Goal:</b> To expand students' knowledge of the human condition and human cultures, especially in relation to behavior, ideas and values expressed in works of human imagination and thought.
<b>MnTC Goal Area 7: Human Diversity, Race, Power and Justice in the United States</b> 1 course <b>Goal:</b> To increase students' understanding of individual and group differences (e.g. race, gender, class) and their knowledge of the traditions and values of various groups in the United States. Students should be able to evaluate the United States' historical and contemporary responses to group differences.	<b>MnTC Goal Area 8: Global Perspective</b> 1 course <b>Goal:</b> To increase students' understanding of the growing interdependence of nations and peoples and develop their ability to apply a comparative perspective to cross-cultural social, economic and political experiences.
<b>MnTC Goal Area 9: Ethical and Civic Responsibilities</b> 1 course <b>Goal:</b> To develop students' capacity to identify, discuss, and reflect upon the ethical dimensions of political, social and personal life and to understand the ways in which they can exercise responsible and productive citizenship.	<b>MnTC Goal Area 10: People and the Environment</b> 1 course <b>Goal:</b> To improve students' understanding of today's complex environmental challenges.

## CIS (Concurrent Enrollment) & AP Courses: 2026-2027

SORTED TO REFLECT MN TRANSFER CURRICULUM GOAL AREAS

### Goal Area 1: Communication (Minimum 9 credits/3 courses)

BHS COURSE NAME	COURSE CODE	CREDITS	# TRI(S)	GOAL	PARTNERING INSTITUTION
CIS Intro to Public Speaking	COMM 1101	3	2	1	University of Minnesota
CIS Writing & Critical Thinking	WRIT 1301	4	2	1, 2	University of Minnesota

### Goal Area 2: Critical Thinking

BHS COURSE NAME	COURSE CODE	CREDITS	# TRI(S)	GOAL	PARTNERING INSTITUTION
Satisfied by completing one course each from MnTC Goal Areas 1, 3, 4, 5 and 6.					

### Goal Area 3: Natural Sciences (Minimum 8 credits/2 disciplines)

BHS COURSE NAME	COURSE CODE	CREDITS	# TRI(S)	GOAL	PARTNERING INSTITUTION
CIS Animal Science	ANSC 1101	4	2	3	University of Minnesota
CIS Chemistry A/B/C	CHEM 231 & 232	Up to 9	2 or 3	3	Southwest Minnesota State University
CIS General Biology	BIOL 2000	5	2	3	Ridgewater College
CIS Human Anatomy	BIOL2100	4	2	3	Ridgewater College
CIS Physics	PHYS 1101W	4	2	3	University of Minnesota

### Goal Area 4: Mathematical/Logical Reasoning (Minimum 3 credits/1 course)

BHS COURSE NAME	COURSE CODE	CREDITS	# TRI(S)	GOAL	PARTNERING INSTITUTION
AP Calculus A/B	Exam score of 3 or higher	varies	2	4	Advanced Placement
AP Calculus B/C	Exam score of 3 or higher	varies	2	4	Advanced Placement
CIS College Algebra	MATH 112	3	2	4	St Cloud State University
AP Computer Science	Exam score of 3 or higher	varies	2	4, 7	Advanced Placement
CIS Introduction to Statistics	MATH 1114	4	2	4	Anoka Ramsey Community College

### Goal Area 5: History and the Social and Behavioral Sciences (Minimum 9 credits/2 disciplines required)

BHS COURSE NAME	COURSE CODE	CREDITS	# TRI(S)	GOAL	PARTNERING INSTITUTION
CIS American National Government	POLS 1320	3	2	5, 9	Ridgewater College
AP Human Geography	Exam score of 3 or higher	varies	2	5, 7, 8, 10	Advanced Placement
CIS Microeconomics	APEC 1101	4	2	5, 8	University of Minnesota
CIS Intro to Psychology 101	PSYC 101	3	2	5	Southwest Minnesota State University
CIS Intro to Sociology	SOC 1110	3	1	5, 7	North Hennepin Community College
CIS US History	HIST 1200	3	2	2, 5, 7	North Hennepin Community College
CIS World History	HIST 1010	3	2	2, 5, 8	North Hennepin Community College

### Goal Area 6: The Humanities and Fine Arts (Minimum 9 credits/2 disciplines)

BHS COURSE NAME	COURSE CODE	CREDITS	# TRI(S)	GOAL	PARTNERING INSTITUTION
CIS Concert Band	MUSC 1408	2	3	6	Central Lakes College
CIS Concert Choir	MUSC 1431	2	3	6	Central Lakes College
CIS French 4 & 5	FREN 1003 & 1004	Up to 10	2 or 3	6, 8	University of Minnesota
CIS German 4 & 5	GER 1003 & 1004	Up to 10	2 or 3	6, 8	University of Minnesota
CIS Intro to Literature	ENGL 1001W	4	2	6	University of Minnesota
CIS Music Theory & History	MUSC 1459	3	1	6	Central Lakes College
CIS Spanish 4 & 5	SPAN 1003 & 1004	Up to 10	2 or 3	6, 8	University of Minnesota

**Goal Area 7: Human Diversity, Race, Power and Justice in the United States (Minimum 1 course)**

BHS COURSE NAME	COURSE CODE	CREDITS	# TRI(S)	GOAL	PARTNERING INSTITUTION
AP Computer Science	Exam score of 3 or higher	varies	2	4, 7	Advanced Placement
AP Human Geography	Exam score of 3 or higher	varies	2	5, 7, 8, 10	Advanced Placement
CIS US History	HIST 1200	3	2	2, 5, 7	North Hennepin Community College
CIS Intro to Sociology	SOC 1110	3	1	5, 7	North Hennepin Community College

**Goal Area 8: Global Perspective (Minimum 1 course)**

BHS COURSE NAME	COURSE CODE	CREDITS	# TRI(S)	GOAL	PARTNERING INSTITUTION
CIS Business	MKTG 100	3	1	8	St Cloud State University
CIS French 4 & 5	FREN 1003 & 1004	Up to 10	2 or 3	6, 8	University of Minnesota
CIS German 4 & 5	GER 1003 & 1004	Up to 10	2 or 3	6, 8	University of Minnesota
AP Human Geography	Exam score of 3 or higher	varies	2	5, 7, 8, 10	Advanced Placement
CIS Intro to Literature	ENGL 1001W	4	2	6	University of Minnesota
CIS Microeconomics	APEC 1101	4	2	5, 8	University of Minnesota
CIS Spanish 4 & 5	SPAN 1003 & 1004	Up to 10	2 or 3	6, 8	University of Minnesota
CIS World History	HIST 1010	3	2	2, 5, 8	North Hennepin Community College

**Goal Area 9: Ethical and Civic Responsibilities (Minimum 1 course)**

BHS COURSE NAME	COURSE CODE	CREDITS	# TRI(S)	GOAL	PARTNERING INSTITUTION
CIS American National Government	POLS 1320	3	2	5, 9	Ridgewater College

**Goal Area 10: People and the Environment (Minimum 1 course)**

BHS COURSE NAME	COURSE CODE	CREDITS	# TRI(S)	GOAL	PARTNERING INSTITUTION
AP Environmental Science	Exam score of 3 or higher	varies	2	10	Advanced Placement
AP Human Geography	Exam score of 3 or higher	varies	2	5, 7, 8, 10	Advanced Placement

**Career and Interest Exploration Courses**

BHS COURSE NAME	COURSE CODE	CREDITS	# TRI(S)	GOAL	PARTNERING INSTITUTION
CIS Auto Service & Maintenance	ATEC 1050	2	1	--	Hennepin Technical College
CIS College Academic Prep (CAP)	FYE 1020	2	1	-	Hennepin Technical College
CIS College & Career Prep	COLL 111	2	1	--	St Cloud State University
CIS Competitive Engineering	ENG 2075	3	2	--	Hennepin Technical College
CIS Entrepreneurship	BUSN 1510	3	1	--	Hennepin Technical College
CIS Exercise Physiology	PESS 120	1	1	--	St Cloud State University
CIS Intro to Education	CELD 200	3	2	--	St Cloud State University
CIS Landscaping	LNDC 1235	2	1	--	Hennepin Technical College
CIS Math for the Trades	MATH 1007	2	1	--	Hennepin Technical College
CIS Mechanical Drawing	ENG 2100	4	1	--	Hennepin Technical College
CIS Wood Technology 3	CM 130	3	1	--	St Cloud State University

**Advanced Placement Note:**

- Minimum Score: You must earn a score of 3 or higher to receive MnTC credit at any Minnesota public college or university.
- Credit Award: Most institutions award 3 to 4 credits for this exam, which can be applied toward the 40-credit MnTC total

# Agriculture

## Intro to Agriculture

**Grade Level:** 9-10

**Terms:** 1

**Prerequisites:** None



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

## Agricultural Construction

**Grade Level:** 10-12

**Terms:** 1

**Prerequisites:** None



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

## Natural Resources/Wildlife Mgmt

**Grade Level:** 10-12

**Terms:** 1

**Prerequisites:** None



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

## CIS Landscaping

**Grade Level:** 9-12

**Terms:** 1

**Prerequisites:** None



**Description:** This course is designed to introduce students to the diverse field of plants and landscaping. Students will spend ½ the class period outdoors building retaining walls, patios, and general landscape activities. Other topics covered include: plant anatomy, propagation, reproduction, flowers, vegetables, trees, shrubs, surveying, lawn ornaments, landscape design and career opportunities as they relate to the floral, landscaping, and golf course industries. Students will design a golf course and spend time working with plants in a greenhouse.

**Upon successful completion of the course, students who are eligible for college credit will earn 2 credits from Hennepin Technical College.**  
**(Eligibility requirement - Grades 9-12; GPA 2.0)**

## Animal Science

**Grade Level:** 9-12

**Terms:** 1

**Prerequisites:** None



**Description:** This course is an introduction to the production and care of domestic animals. Primary species that will be studied include beef, sheep, hogs, dairy cows, and horses. Time will also be spent studying alternative animals such as bees, llamas, and others. This course is intended for any student interested in veterinary medicine, livestock production, hobby farms, and related industries. Topics will include the importance of animals, selection, nutrition, reproduction, behavior, training, showing, processing, and marketing. \*Meets the University of Minnesota science entrance requirement. One of 2 courses required to receive college credit at selected Minnesota Community Colleges.

## Companion Animal Science

**Grade Level:** 9-12

**Terms:** 1

**Prerequisites:** None



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

## Horse Science and Management

**Grade Level:** 9-12

**Terms:** 1

**Prerequisites:** None



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

## Veterinary Science

**Grade Level:** 10-12

**Terms:** 1

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



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

## CIS Animal Science

**Grade Level:** 10-12

**Terms:** 2

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



**Description:** Designed for students interested in further exploration of animal production, care, and marketing. Students will have the opportunity to learn specific management techniques and to explore emerging technologies related to modern animal production. Class projects will be used to promote student participation in science fairs, competitions, and recognition programs. Students will assess the environmental impact of an agricultural innovation/issue by presenting cost-benefit risk analysis and conveying their findings to other classmates. \*Meets the University of Minnesota science entrance requirements. Upon successful completion of the course, students who are eligible for college credit will earn 4 credits from the University of Minnesota. (Eligibility requirement - Sophomores: Top 20%; Juniors & Seniors: Top 50%)

# Art

## Art Foundations

**Grade Level:** 9-12

**Terms:** 1

**Prerequisites:** None



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

## Drawing 1

**Grade Level:** 9-12

**Terms:** 1

**Prerequisites:** None



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

## Drawing 2

**Grade Level:** 10-12

**Terms:** 1

**Prerequisites:** Drawing 1



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

## Painting 1

**Grade Level:** 9-12

**Terms:** 1

**Prerequisites:** None



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

## Painting 2

**Grade Level:** 10-12

**Terms:** 1

**Prerequisites:** Painting 1



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

## Ceramics & Sculpture 1

**Grade Level:** 9-12

**Terms:** 1

**Prerequisites:** None



**Description:** For inspiration, students will study specific artists and art styles. Students will use the Principles of Art that are taught in Art Foundations in a variety of problem solving sculpture assignments. The students will gain knowledge of the technical processes involved with each material including throwing on the pottery wheel.

## Ceramics & Sculpture 2

**Grade Level:** 10-12

**Terms:** 1

**Prerequisites:** Ceramics & Sculpture 1



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

## Ceramics & Sculpture 3

**Grade Level:** 11-12

**Terms:** 1

**Prerequisites:** Ceramics & Sculptures 1 and 2



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

# AVID Program

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

## AVID 9

**Grade Level:** 9

**Terms:** 2

**Prerequisites:** None



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

and academic success skills. Additionally, students engage in activities centered around exploring college and career opportunities and their own agency. In addition to the academic focus of the AVID seminar, there are more college-bound activities: college visits, career research, job shadows, scholarship work, transfer curriculum planning, ACT prep, college essay writing, and other tasks that should be undertaken during the junior year to support students when they apply to four-year universities and confirm their postsecondary plans.

## AVID 10

**Grade Level:** 10

**Terms:** 2

**Prerequisites:** None



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

## AVID 12

**Grade Level:** 12

**Terms:** 2

**Prerequisites:** None



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

## AVID 11

**Grade Level:** 11

**Terms:** 2

**Prerequisites:** None



**Description:** The 11th grade AVID Elective course builds upon earlier years of AVID skills, but is more college and career forward. Each week, students receive instruction that utilizes a rigorous college-preparatory curriculum provided by AVID Center, tutor-facilitated study groups, motivational activities,

## AVID Extension

**Grade Level:** 9-12

**Terms:** 1

**Prerequisites:** Must be currently enrolled in AVID Elective



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

# Business

## Intro to Business

**Grade Level:** 9-12

**Terms:** 1

**Prerequisites:** None



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

## Marketing

**Grade Level:** 10-12

**Terms:** 1

**Prerequisites:** None



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

## Sports & Entertainment Marketing

**Grade Level:** 11-12

**Terms:** 1

**Prerequisites:** Marketing



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

## CIS Business Hybrid

**Grade Level:** 11-12

**Terms:** 1

**Prerequisites:** Introduction to Business and/or Marketing



**Description:** CIS Business provides a comprehensive examination of the major activities of business, contemporary issues, trends and challenges of the business environment in today's global and changing society. This is an exciting, fast and self-paced course designed to introduce students to the varied facets of the business world. Real-world examples, videos, activities, discussions, and other instructional aspects may be used to further the student's involvement in and understanding of the business arena. **Upon successful completion of the course, students who are eligible for college credit will earn 3 credits from St. Cloud State University. (Eligibility requirement - Sophomores: Top 10% or GPA 3.75 (counselor approval); Juniors: Top 33% or GPA 3.5 ; Seniors: Top 50% or GPA 3.0)**

## CIS Entrepreneurship Hybrid

**Grade Level:** 11-12



**Terms:** 1

**Prerequisites:** Introduction to Business and/or Marketing

**Description:** This course will provide a sound base to the understanding of entrepreneurial activity and possibilities. Students will learn the process and skills needed for creating and developing a business venture. The course will explore the skills and characteristics of successful entrepreneurs; and cover key areas of new venture development including opportunity identification, feasibility analysis, business model design, business plan development, and execution strategy. In addition to learning the process, students will have the opportunity to create a business plan and to focus on developing an idea, planning, financing, and managing a new business venture. **Upon successful completion of the course, students who are eligible for college credit will earn 3 credits from Hennepin Technical College. (Eligibility requirement - Grades 10-12; GPA 2.0)**

MCIS software program as a main resource, students will become familiar with their personal interest pattern, assess their abilities and begin to identify their life experiences and personal values.

## CIS College & Career Prep Hybrid

**Grade Level:** 11-12



**Terms:** 1

**Prerequisites:** None

**Description:** In CIS College & Career Prep, college-bound students will have the time and support to explore careers of interest, post-secondary options and details (transcripts, cost, scholarships, majors, applications), and learn key employment skills. Areas of focus will include: develop self-knowledge of strengths and career interests through personal interest and skills inventories; participate in a job shadow or informational interview; create a current resume; and develop and practice interview skills. **Upon successful completion of the course, students who are eligible for college credit will earn 2 credits from St. Cloud State University. (Eligibility requirement - Juniors: Top 33% or GPA 3.5 Seniors: Top 50% or GPA 3.0)**

## Accounting Hybrid

**Grade Level:** 10-12



**Terms:** 1

**Prerequisite:** None

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

## CIS College Academic Prep Hybrid

**Grade Level:** 10-12



**Terms:** 1

**Prerequisites:** None

**Description:** Do you have the skills to be successful in college? This course will help prepare you for rigorous college level courses by providing study skills tips in reading, note-taking, test-taking, and other areas. Students will learn about the culture of college, personal responsibility, motivation and self-management. They will be able to apply the skills learned to elevate their high school experience and enter college with more confidence. **Upon successful completion of the course, students who are eligible for college credit will earn 2 credits from North Hennepin Community College. (Eligibility requirement - Grades 11-12; GPA 2.4 or 235 on Accuplacer)**

## College & Career Exploration



**Grade Level:** 9-12

**Terms:** 1

**Prerequisites:** None

**Description:** In College & Career Exploration students will have the opportunity to explore and research their options for after high school. Students will evaluate career choices within the MN Career Framework, explore post-secondary options (2 and 4-year college, apprenticeships, military). Using the

## Personal Finance

**Grade Level:** 10-12

**Terms:** 1

**Prerequisites:** None



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

## Law & Order (may be available as a Hybrid)

**Grade Level:** 10-12

**Terms:** 1

**Prerequisites:** None



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

## Computer Applications

**Grade Level:** 9-12

**Terms:** 1

**Prerequisites:** None



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

## Digital & Graphic Design

**Grade Level:** 9-12

**Terms:** 1

**Prerequisites:** None



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

# English

All BHS students must earn 4.0 credits in English for graduation from the courses listed below. Students are required to complete English 9, English 10, and English Literature & Composition or CIS Literature. An additional credit must be earned from the various elective options listed. Students are welcome to take additional English courses as part of their general elective credits for graduation.

**Pathways options for required English credits:**

	<i>Credit 1</i>	<i>Credit 2</i>	<i>Credit 3</i>	<i>Credit 4</i>
General	English 9 A&B	English 10 A&B	English Literature and Composition A&B or CIS Literature A&B	See English elective options
Accelerated	Quest English 9 A&B	English Literature and Composition A&B or CIS Literature A&B		See English elective options

*\*Please review any class requirements or prerequisites carefully. After 4.0 English credits have been earned, additional credits may be used for general elective credits.*

**REQUIRED FOR ALL STUDENTS:**

## English 9

**Grade Level:** 9

**Terms:** 2

**Prerequisite:** None



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

## English 10

**Grade Level:** 10

**Terms:** 2

**Prerequisite:** None



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

## English Lit & Comp

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

**Grade Level:** 11-12

**Terms:** 2

**Prerequisites:** None



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

**ELECTIVE COURSES:**

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

## World Literature

**Grade Level:** 11-12

**Terms:** 2

**Prerequisites:** None



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

## CIS Intro to Literature

**Grade Level:** 11-12

**Terms:** 2

**Prerequisites:** None



**Description:** Introduction to Literature is a course primarily focused on 20<sup>th</sup> Century multicultural literature. Students will acquire the tools and procedures necessary for the interpretation and analysis of fiction, poetry and drama. Students will be required to share their interpretation of the readings in concise and in-depth written notebook entries as well as through classroom discussion. This course will require a great deal of out-of-class reading and writing, and should be taken by students with strong literary and composition skills who are willing to invest the required time and effort. **Upon successful completion of the course, students who are eligible for college credit will earn 4 credits from University of Minnesota Twin Cities. (Eligibility requirement - Juniors & Seniors: Top 30%)**

## Acting

**Grade Level:** 9-12

**Terms:** 1

**Prerequisites:** None



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

## English Grammar & Usage

**Grade Level:** 9-12

**Terms:** 1

**Prerequisites:** None



**Description:** English Grammar and Usage is a rigorous examination of the underlying structures and guiding principles of language and writing. Students are required to demonstrate proficiency through leveled daily assignments, weekly spelling exams, mid-term and final exams. Student baseline skills are assessed; subsequent coursework addresses skill deficiencies and usage issues, which prohibit or mar effective writing. Course content includes the most tested areas on the ACT English test,

including but not limited to sentence formulas; phrase and clause; identification, recognition and use of modifiers; and punctuation control. *This course is highly recommended for those students intending on taking the ACT exam as well as other post-secondary exams (Accuplacer, ASVAB, etc.).*

## Creative Writing

**Grade Level:** 9-12

**Terms:** 1

**Prerequisites:** None



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

## College Prep Writing and Critical Reading

**Grade Level:** 11-12

**Terms:** 2

**Prerequisites:** None



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

## CIS Writing and Critical Reading

**Grade Level:** 12



**Terms:** 2

**Prerequisites:** Top 30% in your class or teacher approval

**Description:** This course will focus on developing students' writing skills to prepare them for advanced writing at a college-level standard. Intensive writing instruction will include pre-writing techniques, organization of thought, analysis of writing styles, peer conferencing and annotation, and correct grammar and mechanics. **Students who register must have advanced writing skills and be prepared to invest time outside of school revising their work.** They will also be responsible for assignments from college-level texts, as well as mandatory meetings at the University of Minnesota. Emphasis will be placed on expository essays, including a personal narrative, exploratory research presentation, and trend analysis. ***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. (Eligibility requirement - Seniors ONLY Top 30% and 3.0 GPA in English Coursework)

## Speech Communications

**Grade Level:** 10-12



**Terms:** 1

**Prerequisites:** None

**Description:** This course introduces students to three different areas of communication: 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 to members of the class in groups and/or individually.

## Debate

**Grade Level:** 9-12



**Terms:** 1

**Prerequisites:** None

**Description:** Step into the exciting world of debate, where your voice becomes your most powerful tool! In this thought-provoking class, you'll tackle today's most pressing issues, sharpen your critical thinking and research skills, and learn to speak with confidence and precision. Dive into the fast-paced world of argumentation as we explore how to build rock-solid persuasive speeches, counter arguments on the fly, and deliver speeches that captivate any audience. This isn't just about talking; it's about mastering research, strategy, and teamwork. You'll engage in lively debates with

your classmates, break down complex topics, and push yourself to think smarter and speak bolder. This is a great way to prepare for the CIS Introduction to Public Speaking course.

## CIS Intro to Public Speaking

**Grade Level:** 11-12



**Terms:** 2

**Prerequisites:** None

**Description:** CIS Intro to Public Speaking is a course designed to teach students basic public speaking skills. The course helps students develop an understanding of the basic principles of oral communication, with a focus on improving skills in researching, writing, and organizing effective presentations that are appropriate to particular audiences. Students will develop, improve, and gain confidence in basic delivery skills. Students will also learn to critically evaluate speeches and develop an awareness of, and appreciation for, the responsibilities of ethical communication. **Upon successful completion of the course, students who are eligible for college credit will earn 3 credits from the University of Minnesota.** (Eligibility requirement-Juniors & Seniors:Top 50%)

## Journalism

**Grade Level:** 9-12



**Terms:** 2

**Prerequisites:** None

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

## Publications Writing (Yearbook)

**Grade Level:** 11-12



**Terms:** 3

**Prerequisites:** Teacher Approval

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

# Family & Consumer Science (FCS)

## Fundamentals of Food Preparation

**Grade Level:** 9-12

**Terms:** 1

**Prerequisites:** None



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

## Culinary Foods

**Grade Level:** 9-12

**Terms:** 1

**Prerequisites:** Fundamentals of Food Preparation



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

## Baking & Pastry

**Grade Level:** 9-12

**Terms:** 1

**Prerequisites:** Fundamentals of Food Preparation



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

## Human Development: Prenatal-Toddler

**Grade Level:** 9-12

**Terms:** 1

**Prerequisites:** None



**Description:** In this class students study the physical, intellectual, social, and emotional development of a child from conception to age 3. Topics include development theories, conception, prenatal development, labor & birth, infant and toddler development and families/parenting. This class is a basic foundation course for any student wanting to pursue a career working with children in any capacity and is a great stepping stone to the Child Development course.

## Child Development: Pre-K - Teen

**Grade Level:** 9-12

**Terms:** 1

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



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

## Textile Design

**Grade Level:** 9-12

**Terms:** 1

**Prerequisites:** None



**Description:** Unlock your creativity and master the art of sewing in this hands-on course! Whether you're a complete beginner or looking to sharpen your skills, you'll gain confidence in using a sewing machine while exploring the fascinating world of fabrics and fibers. Discover how to choose the right materials for your projects and learn essential techniques for pattern layout and fabric cutting. By the end of the course, you'll not only have practical skills but also a portfolio of completed works to celebrate your achievements.

**Project materials are provided by the student.**

## Fashion Design

**Grade Level:** 9-12

**Terms:** 1

**Prerequisites:** None



**Description:** Step into the vibrant world of fashion design in this comprehensive course! Discover the essential elements and principles of design and how to apply them creatively to clothing and fashion. Explore the fascinating realm of fibers and fabrics, learning how to choose the perfect materials for your apparel projects.

Delve into the rich history of fashion and gain skills in analyzing vintage styles, which will inspire your own designs. You'll also explore various career paths in the fashion industry, equipping you with insights for your future. Plus, enhance your consumer awareness with tips on clothing selection and care. **Project materials are provided by the student.**

# General Courses

## CIS Intro to Education

**Grade Level:** 11-12

**Terms:** 1

**Prerequisites:** None



**Description:** Are you thinking about becoming a teacher? This class is your entrance to experiencing education. You'll learn about the profession and develop a greater understanding of the history of education in our state and nation; gain insights into the structure and functions of our schools and school systems; learn the steps to teacher and educator certification; and recognize the significance of teacher leadership and advocacy for the profession. You will experience the classroom as a Teacher Cadet Intern when you design and deliver effective lessons while creating and applying effective classroom climate, management, and discipline strategies. Analysis and reflection will help you evaluate instructor and peer feedback. **Upon the successful completion of the trimester, students who are eligible for college credit will earn 3 credits from St. Cloud State University. (Eligibility requirement - Juniors: Top 33% or GPA 3.5 ; Seniors: Top 50% or GPA 3.0)**

## Peer Coaches

**Grade Level:** 11-12

**Terms:** 1 (limited to 3 times per student)

**Prerequisites:** None

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

## Senior Study

**Grade Level:** 12

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

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

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

## **Unified Partnership Opportunities**

### **Unified Agriculture Partner**

**Grade Level:** 11-12



**Terms:** 1

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

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

### **Unified Companion Animal Science Partner**

\*This class will be offered again in 2027-28.

**Grade Level:** 11-12



**Terms:** 1

**Prerequisites:** Partners should have completed Companion Animal Science

**Description:** This class allows all students (general education students as well as students who require Special Education Services) to interact in an environment focused on developing skills in the companion animal industry. This opportunity fosters collaboration around topics 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. Students will be given opportunities to lead peer activities to gain valuable leadership experience and conduct research and communicate findings on a topic. Students will also have the opportunity to engage in community-based instruction.

### **Unified Stage Acting Partner**

\*This class will be offered again in 2027-28.

**Grade Level:** 11-12



**Terms:** 1

**Prerequisites:** Partners should have completed Acting or been in a theatre production.

**Description:** Let's create a performance together!

This is an acting class partnership designed to give all students (general education students and those who require Special Education Services) the opportunity to interact and support one another in a theatre/acting

environment. Students will engage in the theatre-making process; pantomiming, performing reader's theatre, moving, and creating performances together. Students will have opportunities to participate in classroom performances. Student partners will be given opportunities to lead peer activities to gain valuable leadership experience and skills. Students will also have the opportunity to engage in community-based instruction.

### **Unified Home Living Partner**

**Grade Level:** 11-12



**Terms:** 1

**Prerequisites:** None

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

### **Unified Music Partner**

**Grade Level:** 11-12



**Terms:** 1

**Prerequisites:** Partners should be current music students in concert-level ensemble.

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

## Unified Physical Education Partner

**Grade Level:** 11-12

**Terms:** 1

**Prerequisites:** Partners should have completed PE 9 & PE 10



**Description:** This class is a Physical Education class partnership opportunity designed to give an opportunity for all students (general education students and those who require Developmental Adapted Physical Education) to participate in Physical Education together. Student partners 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 partners and their peers will have opportunities to participate in Unified athletic tournaments and community-based education outings. Student partners will also be given opportunities to teach their peers activities to increase their leadership skills.

## Unified Pre-Employment Partner

**Grade Level:** 11-12

**Terms:** 1

**Prerequisites:** None



**Description:** This work-based learning partnership class designed to give all students (general education students as well as students who require Special Education Services) the opportunity to practice entry-level job skills through on-site and community volunteer opportunities. Students will learn general employability skills by volunteering in the school and community while supporting one another in developing workplace skills such as custodial tasks, organization, and teamwork. The class will also include discussions and practice of workplace expectations, including work attitude, work relationships, job competency, task completion, and time management. Through this class, student partners will gain valuable leadership experience as they assist their peers in acquiring essential workplace competencies.

## Unified Science Partner \*New Course\*

**Grade Level:** 11-12

**Terms:** 1

**Prerequisites:** Partners should have completed 2 credits in Science



**Description:** This class allows all students (general education partners as well as students who require special education services) to interact in an inclusive environment focused on developing skills in science through hands-on, inquiry-based learning. This opportunity fosters collaboration as students explore key areas of science such as life science, physical science, and environmental science through engaging, real-world investigations and projects. Students will also have the opportunity to engage in community-based instruction.

# Health

## Health 10

**Grade Level:** 10

**Terms:** 1

**Prerequisites:** None

**Description:** The 10th Grade Health course is designed to equip students with the knowledge and skills to make informed, responsible decisions about their physical, mental, and emotional well-being. This required course covers a range of topics including nutrition, physical fitness, mental health, substance use, relationships, and personal safety.

Students will explore how personal health choices impact their lives and the lives of those around them. They will engage in discussions and activities that promote self-awareness, stress management, healthy relationships, and decision-making. Emphasis will be placed on developing strategies to maintain a balanced and healthy lifestyle in the context of both individual choices and broader societal influences.

## Current Health Trends

**Grade Level:** 10-12

**Terms:** 1

**Prerequisites:** None



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

## CIS Exercise Physiology

**Grade Level:** 10-12

**Terms:** 1

**Prerequisites:** None



**Description:** This class is intended for students interested in careers in medicine or physical therapy or athletes who want to learn about the body and how to increase athletic performance. Subjects covered will be the muscular and skeletal systems, and the physiological effects of exercises, and weight training on athletic performance. Students will also develop a weight lifting and conditioning program and complete original student led research. Knowledge of theories and principles as related to exercise physiology and biomechanics will be covered in a classroom setting. A lab environment will be used as needed. **Upon successful completion of the course, students who are eligible for college credit will earn 1 credit from St. Cloud State University. (Eligibility requirement - Sophomores: Top 10% or GPA 3.75; Juniors: Top 33% or GPA 3.5 ; Seniors: Top 50% or GPA 3.0)**

# Math

All BHS students must earn 3.0 credits in mathematics for graduation and complete at least Algebra 2. Because students may start at different initial classes at BHS, please review the sequence and options below carefully. Students may take more than 3.0 credits of mathematics and they will be applied to the general elective requirements for graduation. Please review your post-secondary plans carefully as many colleges and universities may expect 4 credits of mathematics.

**Pathway options for required Mathematics credits:**

	Credit 1	Credit 2	Credit 3
<i>General</i>	Intermediate Algebra A&B	Geometry A&B	Algebra 2 A&B
<i>Accelerated</i>	Geometry A&B	Algebra 2 A&B	Pre-Calculus A&B or CIS College Algebra A&B CIS Statistics A&B

*\* Review all course prerequisites carefully. Students may use any alternative math electives as their 3rd Math credit, if they have completed Algebra 2.*

## Intermediate Algebra

**Grade Level:** 9-10



**Terms:** 2

**Prerequisites:** Teacher Recommendation

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

## Geometry

**Grade Level:** 9-12



**Terms:** 2

**Prerequisites:** Intermediate Algebra; Teacher Recommendation

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

## Algebra 2

**Grade Level:** 9-12



**Terms:** 2

**Prerequisites:** Geometry

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

complex numbers, polynomial functions, rational expressions, probability, and statistics.

## Algebra 3 with Trig

**Grade Level:** 10-12



**Terms:** 1

**Prerequisites:** Geometry and Algebra 2

**Description:** This is a one term course intended for students who have completed Geometry and Algebra 2. This class will enhance higher level thinking and problem-solving skills by studying topics that include functions, logarithms and trigonometry as well as other topics commonly found on the ACT test. Students will benefit from this additional exploration and mastery of algebra skills by preparing them for the next-level mathematics course such as Pre-Calculus, College Algebra or Trigonometry.

## CIS College Algebra Hybrid

**Grade Level:** 10-12



**Terms:** 2

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

**Description:** This course is for students who have successfully completed Algebra 2 and want college credit for pre-calculus math. Topics include: graphs and functions; polynomial, radical, rational, exponential, logarithmic functions; equations, inequalities, systems of equations and inequalities; applications. Upon successful completion of the course, students who are eligible for college credit will earn 3 credits from St. Cloud State University. **(Eligibility requirement - Sophomores: Top 10% or GPA 3.75; Juniors: Top 33% or GPA 3.5; Seniors: Top 50% or GPA 3.0; ALL: Accuplacer Test 245 or ACT MATH 22)**

## Pre-Calculus

**Grade Level:** 10-12

**Terms:** 2

**Prerequisites:** Algebra 2

**Recommended:** C or higher in Algebra 2



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

## Trigonometry

**Grade Level:** 10-12

**Terms:** 1

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



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

## Advanced Placement (AP) Calculus AB

**Grade Level:** 10-12

**Terms:** 3



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

**Recommended:** Trigonometry

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

## Advanced Placement (AP) Calculus BC

**Grade Level:** 11-12

**Terms:** 2

**Prerequisites:** AP Calculus A/B



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

## Statistics

**Grade Level:** 11-12

**Terms:** 1

**Prerequisites:** Intermediate Algebra



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

## CIS Statistics Hybrid

**Grade Level:** 10-12

**Terms:** 2

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



**Description:** This is a concurrent enrollment course through Anoka RamseyCommunity College. It is a college statistics course. This course is designed to present strategies for collecting, organizing, analyzing, and drawing conclusions from data.

Students will review probability theory and various distributions, and learn how to perform statistical inference. They will learn to interpret and judge the statistical information in the world around them. Not only is this course useful to students pursuing studies in math, science and engineering, but also in the health fields and social sciences, including economics, business and psychology. **Upon successful completion of the course, students who are eligible for college credit will earn 4 credits from Anoka Ramsey Community College.**  
**(Eligibility requirement - Grades 10-12 with GPA of 2.6 or Accuplacer)**

## Intro to Computer Programming

**Grade Level:** 9-12

**Terms:** 1

**Prerequisites:** None



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

## AP Computer Science A

Grade Level: 11-12



Terms: 2

Prerequisites: Intro to Computer Programming

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

## Financial Algebra

Grade Level: 12 or teacher approval



Terms: 1

Prerequisites: None

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

## CIS Math for the Trades

Grade Level: 11-12



Terms: 1

Prerequisites for BHS: Geometry

Prerequisites for HTC: Geometry, GPA equal to or above 2.4 or 235 or higher on the Arithmetic Accuplacer

**Description:** Mathematics for the Trades equips you with a mathematical foundation for technical and vocational trades, including electrical trades, automotive trades, plumbing, allied health, construction and many more. This course explores basic math skills in practical contexts, including skills with integers, fractions, mixed numbers, and decimals. The course would emphasize doing rather than theory, application rather than memorization, self-confidence, building mathematical reasoning, and practical use of tools and formulas. **Upon successful completion of the course, students who are eligible for college credit will earn 2 credits from Hennepin Technical College. (Eligibility requirement - Grades 11-12 ; GPA 2.4 or 235 on Accuplacer)**

# Music

MUSIC PERFORMANCE CLASSES ARE A YEAR LONG COMMITMENT

## Repertory Band

**Grade Level:** 9-12

**Terms:** 3

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



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

## Varsity Band

**Grade Level:** 10-12

**Terms:** 3

**Prerequisites:** Completion of Repertory Band or Teacher Approval



**Description:** 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 summer marching band, winter drumline, pep bands, and jazz bands. They will also participate in several concerts and contests. The band director places students in the Varsity Band.

## CIS Concert Band

**Grade Level:** 11-12

**Terms:** 3

**Prerequisites:** Audition



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

styles. In addition to band literature, students in the Concert Band will study and/or perform chamber music and solo literature. These students will have the opportunity to play in the summer marching band, winter drumline, pep bands, jazz bands and symphony orchestra. They will also participate in several concerts and contests. The band director places students in the Concert Band. **Upon successful completion of the course, students who are eligible for college credit will earn 2 credits from Central Lake College. (Eligibility requirement - Grades 11-12; No GPA requirements)**

## Repertory Orchestra

**Grade Level:** 9-12

**Terms:** 3

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



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

## Varsity Orchestra

**Grade Level:** 10-12

**Terms:** 3

**Prerequisites:** Completion of Repertory Orchestra or Teacher Approval



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

## Concert Orchestra

**Grade Level:** 11-12

**Terms:** 3

**Prerequisites:** Audition



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

## Tenor Bass/Mixed Repertory Choir

**Grade Level:** 9-12

**Terms:** 3

**Prerequisites:** None



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

## Soprano Alto/Mixed Repertory Choir

**Grade Level:** 9-12

**Terms:** 3

**Prerequisites:** None



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

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

## Varsity Choir

**Grade Level:** 10-12

**Terms:** 3

**Prerequisites:** Teacher Approval



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

## CIS Concert Choir

**Grade Level:** 11-12

**Terms:** 3

**Prerequisites:** Audition



**Description:** This is the most advanced choral ensemble at BHS and is designed for mixed voices. Students in grades 11-12 are eligible for Concert Choir by audition only. Concert Choir will meet every day all year. Emphasis in this choir is on performance and musicianship, as well as vocal technique. Students in this group will study and perform a variety of choral literature covering music from different periods and styles. In addition, students will have the opportunity to study and perform solo and ensemble literature. The Concert Choir performs at numerous concerts, contests and festivals. The choir director places students in the Concert Choir. **Upon successful completion of the course, students who are eligible for college credit will earn 2 credits from Central Lake College. (Eligibility requirement - Grades 11-12; No GPA requirements)**

## Music Production

**Grade Level:** 9-12

**Terms:** 1

**Prerequisites:** None



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

## CIS Music Theory and History

**Grade Level:** 11-12

**Terms:** 1

**Prerequisites:** None



**Description:** This course covers the basics of music theory, aural perceptions, and sight singing all in the context of primarily western music history. Emphasis is placed on rhythmic exercises, notation, tonality, phrase structure, simple form, fundamental harmony, and basic keyboard facility. Students will also learn how music has evolved through time, by studying the most significant composers and compositions from the past 1,000 years. **Upon successful completion of the course, students who are eligible for college credit will earn 3 credits from Central Lake College.** **(Eligibility requirement - Juniors: GPA 3.0 or placement test; Seniors: GPA 2.5)**

## On The Job Training

### On the Job Training



*\*Fifth Hour Only*

**Grade Level:** 12

**Terms:** 3

**Prerequisites:** None

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

#### Requirements:

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

- Complete 60% or better on assignments and pay stub submissions via Google Classroom
- Check-in with teacher, as assigned

#### Expectations:

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

# Physical Education

## PE 9

**Grade Level:** 9

**Terms:** 1

**Prerequisites:** None

**Description:** The 9th Grade Physical Education course focuses on building a foundation for lifelong health and physical activity. Students will engage in activities that enhance cardiovascular fitness, strength, flexibility, and endurance. The course includes an introduction to the weight room, emphasizing safe and effective use of equipment and resistance training. Skill development is also a key component, helping students improve teamwork, strategy, and decision-making in athletics. By exploring various fitness activities, students will gain confidence in their abilities and learn how to maintain a healthy, active lifestyle. This course promotes both physical growth and a deeper understanding of personal fitness.

## PE 10

**Grade Level:** 10

**Terms:** 1

**Prerequisites:** PE 9

**Description:** This 10th-grade Physical Education course promotes lifelong health through team sports, individual fitness activities, and heart rate monitoring. Students will engage in team games to build collaboration, communication, and strategic thinking. Individual fitness exercises will focus on improving strength, endurance, and flexibility. Heart rate monitors will be used to track physical exertion, helping students understand heart rate zones and tailor workouts to their fitness goals. The course emphasizes personal growth, healthy habits, and the enjoyment of physical activity. It provides a supportive environment for students to develop confidence, teamwork, and overall well-being.

## PE 10 Hybrid

**Grade Level:** 10

**Terms:** 1

**Prerequisites:** Pass PE 9

**Description:** This innovative hybrid Physical Education course combines in-person and online learning to promote lifelong fitness and wellness. Students will meet in person 15-20 times per trimester

for engaging, hands-on activities focusing on cardiovascular fitness. Outside of class, students will independently achieve an average of 150 minutes of heart rate-monitored physical activity weekly, encouraging personal accountability and fitness tracking.

The course also emphasizes holistic well-being, integrating written assignments on mental and emotional health, stress management, and mindfulness. By the end of the trimester, students will have gained practical skills, knowledge, and habits to maintain a balanced and healthy lifestyle.

## PE 11/12 Hybrid

*\*New Course\**

**Grade Level:** 11-12

**Terms:** 1

**Prerequisites:** None

**Description:** This hybrid Physical Education course is designed for juniors and seniors to take greater ownership of their physical, mental, and emotional well-being. Students are required to log 150 heart rate monitor minutes each week, demonstrating consistent effort and fitness engagement. Throughout the trimester, students will complete 6–8 graded cardiovascular runs to assess endurance and personal progress. Weekly check-ins will help monitor goals, activity levels, and overall wellness. In addition to physical activity, students will complete written assignments focused on mental health, emotional balance, and fitness-related topics, promoting a holistic approach to lifelong health and wellness.

## 9<sup>th</sup>/10<sup>th</sup> Competitive Team Sports

**Grade Level:** 9-10

**Terms:** 1

**Prerequisites:** None

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

## Competitive Team Sports

**Grade Level:** 11-12

**Terms:** 1

**Prerequisites:** None

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

## Indoor/Outdoor Recreation

**Grade Level:** 11-12

**Terms:** 1

**Prerequisites:** None

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

## Strength & Conditioning 1

**Grade Level:** 9-12

**Terms:** 1

**Prerequisites:** None



**Description:** Strength and Conditioning is a dynamic course designed to enhance strength, speed, agility, change of direction and athleticism for students at all levels. Through a structured program of resistance training, plyometrics, speed and agility drills, students will improve their physical performance and build foundational skills for athletic success. This course emphasizes proper technique, injury prevention, and the development of personalized fitness goals. Whether you're an athlete or someone seeking to elevate your personal fitness, this course offers valuable tools and insights for all.

## Strength & Conditioning 2

**Grade Level:** 9-12

**Terms:** 1

**Prerequisites:** Pass Strength & Conditioning 1



**Description:** Strength and Conditioning 2 builds off of previous knowledge by implementing similar training protocols and techniques. Students will be improving strength, speed, agility, change of direction and athleticism through various exercises and training techniques. Students will be able to complete the out of season training program along with acceleration and speed training twice a week. This course offers athletes to complete training during the school day and other students to improve their overall health and physical performance.

## Net Games 1

**Grade Level:** 9-10

**Terms:** 1

**Prerequisites:** None

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

## Net Games 2

**Grade Level:** 11-12

**Terms:** 1

**Prerequisites:** None

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

## Officiating & Coaching

**Grade Level:** 10-12

**Terms:** 1

**Prerequisites:** None



**Description:** This course will expose students to officiating and coaching. Students will have the opportunity to partner with BCMS activities, youth organizations, and create a culture where both professions can be valued and respected. This course will focus on what it means to be a transformational coach vs. transactional coach and will give students the opportunity to learn the fundamentals of officiating and coaching.

## Mind & Body Connection

**Grade Level:** 11-12

**Terms:** 1

**Prerequisites:** None



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

# Science

All students must earn 3.0 credits in Science for graduation. These credits will include 1.0 credit of earth science, 1.0 credit of biology, and either 1.0 credit of chemistry OR 1.0 credit of physics. Multiple pathways to earn these credits are possible. Students may also take additional science courses as part of their general elective requirements. Please review your post-secondary plans carefully as many colleges or universities may require more than 3.0 credits in Science.

## ***Pathway options for required Science credits:***

	<b>Earth Science (1.0 Credit)</b>	<b>Biology (1.0 Credit)</b>	<b>Chemistry or Physics Credit (1.0 Credit)</b>
<i>General</i>		<i>Biology A&amp;B</i>	<i>Chemistry A&amp;B</i> <i>or</i> <i>Physics A&amp;B</i>
<i>Accelerated</i>	<i>Earth Science A&amp;B</i>	<i>CIS Biology A&amp;B</i>	<i>Chem X (typically in 9th or 10th grade year)</i> <i>and</i> <i>CIS Chem A/B/C</i> <i>or</i> <i>CIS Physics A&amp;B</i>

*\*\*Students choosing Chem X must complete 0.5 additional credits in chemistry.*

## **Earth Science**

**Grade Level:** 9

**Terms:** 2

**Prerequisites:** None



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

## **Biology**

**Grade Level:** 10-12

**Terms:** 2

**Prerequisites:** Science 9/Earth Science



**Description:** Biology is a two-trimester course that focuses on the exploration and fundamental principles of life science. This course highlights the function of living organisms, ecosystems, and the biological processes that sustain life. Students will study topics such as evolution, genetics, and ecology. Through laboratory experiments, field studies, and group discussions, students will develop scientific inquiry skills, learn to analyze data, and deepen their understanding of how biological systems interact at the molecular, cellular, and organismal levels. This course

emphasizes critical thinking, and real-world applications of biology in health, the environment, and biotechnology. By the end of the course, students will have a solid foundation in biological concepts and an appreciation for the complexity and interconnectivity of life on Earth

## **Wildlife Biology**

**Grade Level:** 10-12

**Terms:** 1

**Prerequisites:** None



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

## CIS General Biology

**Grade Level:** 10-12

**Terms:** 2

**Prerequisites:** Completion of Chem X is strongly encouraged

**Description:** CIS Biology may be taken as a replacement for Biology or after taking Biology as an opportunity for students to earn college credit. CIS Biology will cover the Biology concepts such as biomolecules, cells, genetics, evolution and ecology. The course will include readings, lectures, discussions, and laboratory investigations, including extensive laboratory investigations. While this is a college level course, sophomores, juniors, and seniors interested in college and science related careers are encouraged to take this class to fulfill their biology graduation requirements. **Upon successful completion of the course, students who are eligible for college credit will earn 5 credits from Ridgewater College (Eligibility requirement – Grade 10: Top 10% OR 3.0 GPA (or reading test score) AND BHS recommendation; Grade 11: Top 33% OR 3.0 GPA (or reading test score); Grade 12: Top 50% or 2.5 GPA (or reading test score))**

*\*New Course\**

Replaces AP Biology



## AP Environmental Science \*New Course\*

**Grade Level:** 11-12

**Terms:** 2

**Prerequisites:** Completion of Biology or CIS Biology



**Description:** The AP Environmental Science course engages students with the scientific principles, concepts, and methodologies needed to understand the interrelationships within the natural world and humanity's role within it. Students will explore the relationship between humans and their environment from local, regional, and global perspectives. The course emphasizes the study of natural ecosystems, the impact of human activity on natural resources and environmental quality, environmental ethics, and strategies to maintain a sustainable biosphere. Through an interdisciplinary approach that integrates geology, biology, chemistry, geography, and environmental studies, students will identify and analyze environmental problems, evaluate associated risks, and examine potential solutions for resolving or preventing them.

*\*New Course\**

Replaces AP Biology

## CIS Human Anatomy

**Grade Level:** 10-12

**Terms:** 2

**Prerequisites:** Successful completion of Biology or AP Biology



**Description:** This course covers the chemistry of life, the structure and physiology of cells and tissues, body organizations and homeostasis. The skeletal, muscular, and digestive systems are investigated along with issues such as anorexia. The sensory systems of sight and hearing, the endocrine systems as well as the respiratory system and issues related to smoking will be covered. The second term of Human Anatomy will be a continuation of the information presented during the first term. In this portion of the course the cardiovascular, digestive, endocrine, reproductive, respiratory, and immune systems will be studied. Pregnancy, fetal growth and development, sexually transmitted diseases, and reproductive technologies to treat infertility will be highlighted in this course. Continued dissection will be discussed on a weekly basis in this course. Throughout the term, a variety of guest speakers representing multiple medical fields will present information from their field of expertise. **Upon successful completion of the course, students who are eligible for college credit will earn 4 credits from Ridgewater College. (Eligibility requirement – Grade 10: Top 10% OR 3.0 GPA (or reading test score) AND BHS recommendation; Grade 11: Top 33% OR 3.0 GPA (or reading test score); Grade 12: Top 50% or 2.5 GPA (or reading test score))**

## Chemistry

**Grade Level:** 10-12

**Terms:** 2

**Prerequisites:** Successful completion or concurrent enrollment in Geometry B



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

## Chemistry X

Grade Level: 9-11

Terms: 1

**Prerequisites:** Successful completion or concurrent enrollment in Geometry B.



**Description:** This course is a  $\frac{1}{2}$  credit higher paced introductory Chemistry course for students who plan to take CIS Chemistry and/or AP Biology. Topics studied will be atomic and molecular structure, bonding, writing and balancing chemical reactions, stoichiometry, and acid/base reactions. Much of the course will be based on lab investigations. This course meets **half** of the MN state graduation requirements for 1 credit in chemistry or physics.

## CIS Chemistry

Grade Level: 11-12

Terms: 2 or 3



**Prerequisites:** Successful completion of Chem X or Chem B, Successful completion or concurrent enrollment in College Algebra or Pre-Calculus

**Description:** CIS Chemistry is a three-trimester sequence science elective intended for students who are college bound and wish to obtain a strong chemistry background. Topics include atomic structure, inorganic nomenclature, stoichiometry, reactions, thermodynamics, states of matter, solution chemistry, kinetics, equilibria, acid-base chemistry, electrochemistry, nuclear chemistry, and a brief introduction to organic chemistry. **Upon successful completion of the 1st and 2nd trimesters, students who are eligible for college credit can earn 4 credits from Southwest MN State University (General Chemistry I - 3 semester credits and General Chemistry I Lab- 1 semester credit). Upon successful completion of the 3<sup>rd</sup> trimester, students who are eligible for college credit will earn 5 additional credits from SMSU (General Chemistry II - 3 semester credits and General Chemistry II Lab- 2 semester credits) – totaling 9 credits.** (Eligibility requirement - Sophomores: Top 10% or GPA 3.50; Juniors: Top 33% or GPA 3.0; Seniors: Top 50% or GPA 3.0)

## Physics

Grade Level: 11-12

Terms: 2

**Prerequisites:** Algebra 2 & Trigonometry recommended



**Description:** This course provides a comprehensive introduction to the fundamental concepts of physics. Students will explore the behavior of waves, including sound and light, understanding their properties, interactions, and applications. They will delve into the principles of electricity and magnetism, examining electric charges, currents, fields, and their relationship to magnetic phenomena. The course will also cover the properties of fluids and heat, investigating fluid dynamics, pressure, temperature, and energy transfer. Finally, students will study the principles of classical mechanics, including motion, forces, work, energy, and momentum. Through hands-on experiments, problem-solving exercises, and real-world applications, students will develop a strong foundation in physics and gain a deeper appreciation for the natural world.

## CIS Physics

Grade Level: 11-12

Terms: 2



**Prerequisites:** B or better in Algebra 2

**Description:** Explore the fundamental principles of physics through real-world applications. Students will use concepts of kinematics and dynamics, along with both quantitative and qualitative problem-solving techniques, to analyze and understand everyday physical phenomena. **Upon successful completion of the course, students who are eligible for college credit will earn 4 credits from University of Minnesota Twin Cities. (Eligibility requirement - Juniors & Seniors (sophomores with UMN approval); B in Algebra 2 or Trigonometry)**

## Astronomy

**Grade Level:** 10-12

**Terms:** 1

**Prerequisites:** None



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

## Forensics

**Grade Level:** 11-12

**Terms:** 1

**Prerequisites:** None



**Description:** Forensics is a one-trimester elective course designed to expose students to the science behind criminal investigations. Topics covered include, physical evidence such as fibers, fingerprints, document and hair analysis, as well as biological evidence including toxicology, blood pattern analysis, DNA, anthropology, and entomology. Other topics include ballistics, digital evidence, impressions and more. You will have an opportunity to explore these topics through hands-on lab activities, true-crime analysis, and guest speaker presentations.

## Food Science

**Grade Level:** 10-12

**Terms:** 1

**Prerequisites:** Successful completion of or current enrollment in Chemistry



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

# Social Studies

All students graduating from BHS, in 2027 or later, must complete 3.5 credits of Social Studies courses, including Human Geography, U.S. History, World History, Government & Citizenship, and Economics. Students desiring an accelerated course path may choose multiple college level courses to replace the general courses described in the table below. Additionally, the Social Studies department offers a variety of elective courses that can be applied to a student's general elective credit requirements.

## ***Pathway options for required Social Studies credits:***

9th Grade		10th Grade	11th Grade	11th or 12th Grade
<i>General</i>	Human Geography (0.5 credit)	US History A&B (1.0 credit)	World History A&B (1.0 credit)	Economics (0.5 credit) Government & Citizenship (0.5 credit)
<i>Accelerated Options</i>	AP Human Geography A&B (1.0 credit)	CIS US History A&B (1.0 credit)	CIS World History A&B (1.0 credit)	CIS Economics (1.0 credit) CIS American Government (1.0 credit)

*\*Please review any class requirements or prerequisites carefully. Students may switch between general and accelerated paths if they meet the prerequisite requirements.*

## **Human Geography**

**Grade Level:** 9

**Terms:** 1

**Prerequisites:** None



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

## **AP Human Geography**

**Grade Level:** 9-12

**Terms:** 2

**Prerequisites:** B+ or higher in English 8 and Social Studies 8

**\*New Course\***



**Description:** AP Human Geography introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine socioeconomic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications. The curriculum reflects the goals of the National Geography Standards (2012). The course is equivalent to an introductory college-level course in human geography.

## US History

Grade Level: 10

Terms: 2

Prerequisites: None



**Description:** In the United States History course, students will delve into the events, ideas, and people that have profoundly influenced our nation. This comprehensive exploration will span from Colonial America through the Civil War and into 20<sup>th</sup> Century America. Throughout the course, students will place significant emphasis on analyzing primary sources, such as documents, photographs, literature, and speeches. By engaging with these primary sources, students will develop critical thinking skills and gain a deeper understanding of historical events.

Additionally, the course will focus on honing written expression skills, particularly in the development of well-crafted theses and the effective use of supporting evidence. Ultimately, this course aims to empower students to become critical thinkers and globally minded citizens.

## CIS US History (meets US History requirement)

Grade Level: 10

Terms: 2

Prerequisites: English 9 with an A or teacher recommendation



**Description:** This course focuses on the major cultural, social and political issues in United States History. The first trimester will look at the ideas that led to the American Revolution, how the 13 Colonies rose to power against the British, the consequences of the slave culture in America, the Civil War and the promises and failures of Reconstruction and rebuilding our nation after the Civil War. The second trimester will look at the influence of the Industrial Revolution, the impact of immigration, the rise of organized labor, the Great Depression, World War II, the Cold War and the global fight between communism and democracy. Lastly, the course will conclude with a look at the fight for racial and economic equality during the Civil Rights Movement. The students will gain insight into the aspects that are the most crucial for a solid understanding of the nation's history and build skills that will help them be successful at the college level. Significant reading and writing are involved in this course. **Upon successful completion of the course, students who are eligible for college credit will earn 3 credits from North Hennepin Community College. (Eligibility requirement - Grades 10-12; GPA 2.0 A in Am. Gov and English 9)**

## World History

Grade Level: 11

Terms: 2

Prerequisites: None



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

## CIS World History (meets World History requirement)

Grade Level: 11

Terms: 2

Prerequisites: None



**Description:** World history is transregional, transnational, and transcultural. This course examines historical connections from pre-history to current events. Students will be asked to examine history from diverse perspectives and common historical themes. As a class, we will examine history by looking at the big picture; focusing on cultural interchange and comparative history. This course involves significant reading and writing assignments. CIS World History meets the World Studies requirement for graduation. **Upon successful completion of the course, students who are eligible for college credit will earn 3 credits from North Hennepin Community College. (Eligibility requirement - Grades 11-12; GPA 2.0 A in US His. and English 10)**

## Government & Citizenship

**Grade Level:** 11 or 12

**Terms:** 1

**Prerequisites:** None



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

## CIS American National Government

*\*New Course\**

**Grade Level:** 11-12

**Terms:** 1

**Prerequisites:** None



**Description:** This course is intended to introduce students to the expressed hopes of the American people for their government and to the institutions and processes that have been created and recreated to achieve these hopes. The course is designed to help students understand American politics as a fundamentally critical and creative enterprise. Questions of power and choice, opportunity and discrimination, freedom and restrictions on freedom are fundamental to the historical development of and current controversies within the American political system, and we will attend to all of these. We will explore topics including the ideas underlying the nation's founding and its constitutional foundations; civil rights and civil liberties; the structure and function of American political institutions; and the behavior of American citizens in the political process. By the end of the trimester students should have a basic understanding of the structure and function of American government as well as an increased ability to critically reflect on the degree to which our institutions, processes, and actions have met our nation's intended goals, and to engage students in the civic life of an American citizen.

**Upon successful completion of the course, students who are eligible for college credit will earn 3 credits from Ridgewater College. (Eligibility requirement – Grade 11: Top 33% OR 3.0 GPA (or reading test score); Grade 12: Top 50% or 2.5 GPA (or reading test score))**

## Personal Finance

**Grade Level:** 10-12

**Terms:** 1

**Prerequisites:** None



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

## Economics (may be available as a hybrid)

**Grade Level:** 11-12

**Terms:** 1

**Prerequisites:** None



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

## CIS Microeconomics

**Grade Level:** 11-12

**Terms:** 2

**Prerequisites:** None

*\*New Course\**



**Description:** Economic behavior of consumers/firms in domestic/international markets. Demand, supply, competition. Efficiency, Invisible Hand. Monopoly, imperfect competition. Externalities, property rights. Economics of public policy in environment/health/safety. Public goods, tax policy. **Upon successful completion of the course, students who are eligible for college credit will earn 4 credits from University of MN – Twin Cities. (Eligibility requirement - Juniors & Seniors: Top 20% or 3.5 GPA; B in Algebra 2)**

## Psychology A (may be available as a hybrid)

**Grade Level:** 11-12

**Terms:** 1

**Prerequisites:** None



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

## Psychology B (may be available as a hybrid)

**Grade Level:** 11-12

**Terms:** 1

**Prerequisites:** Psychology A



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

## CIS Intro to Psychology

**Grade Level:** 11-12

**Terms:** 2

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



**Description:** The course will cover the principles, organization, processes, and functions of Psychology. Term one will focus on history of psychology, biology of addiction, memory, and intelligence. Term two will focus on sleep and dreams, motivation & emotions, personality, child development, and abnormal psychology. **Upon successful completion of the course, students who are eligible for college credit will earn 3 credits from Southwest MN State University. (Eligibility requirement - Juniors: Top 33% or GPA 3.0; Seniors: Top 50% or GPA 3.0)**

## Social Issues & Diversity

**Grade Level:** 11-12

**Terms:** 1

**Prerequisites:** None



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

## CIS Intro to Sociology

**Grade Level:** 11-12

**Terms:** 1

**Prerequisites:** None



**Description:** Sociology is the study of human society focusing on the social and cultural aspects of human behavior. Students will analyze society through the sociological perspective, which looks for general patterns and behaviors of a particular group. Topics include society and culture, roles and norms, groups and organizations, deviance, inequality, social and cultural change, and research methods. This course is designed by North Hennepin Community College taught by BHS teachers. The rigor and assessments will align with the corresponding class taught at NHCC. **Upon successful completion of the course, students who are eligible for college credit will earn 3 credits from North Hennepin Community College. (Eligibility requirement - Grades 11-12; GPA 2.0)**

## Current Events

**Grade Level:** 9-12

**Terms:** 1

**Prerequisites:** None



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

## Minnesota History

**Grade Level:** 9-10

**Terms:** 1

**Prerequisites:** None



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

## World Religions

**Grade Level:** 9-12

**Terms:** 1

**Prerequisites:** None



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

## History Through Film

**Grade Level:** 9-12

**Terms:** 1

**Prerequisites:** None



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

# Technology Education

## Energy Power Transportation

**Grade Level:** 9-12

**Terms:** 1

**Prerequisites:** None



**Description:** MORE POWER! This class explores the technical processes, applications, and impacts of energy and power. You will also learn about the four main classes of transportation (land, air, water, space). Some of the activities included are solar cars, rockets, powerboats, sailboats, gliders, and CO<sub>2</sub> dragsters.

## Automotive Engineering and Design

**Grade Level:** 9-12

**Terms:** 1

**Prerequisites:** None



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

## CIS Auto Service & Maintenance

### Hybrid

**Grade Level:** 10-12

**Terms:** 1

**Prerequisites:** None



**Description:** Most of you will have your driver's license when you graduate. As a driver, you should know the simple maintenance and upkeep of your vehicle. The field of auto mechanics is a growing field. This class will be a good class for you to see if you are interested in being an auto mechanic. This class won't make you an expert in the field of auto mechanics, but it will make you more informed on how to maintain your vehicle. This class will also make you a better consumer when looking at buying and selling vehicles. (**If you have taken WTC-Auto Technology, do not sign up for this class.**)

**All students with a car available are strongly encouraged to bring their car in to perform routine service and maintenance checks. However, students must then provide any parts/fluids needed to perform service/repair. Upon successful completion of the course, students who are eligible for college credit**

**will earn 2 credits from Hennepin Technical College. (Eligibility requirement - Grades 10-12; GPA 2.0 or placement test)**

## Intro to CAD (Computer Aided Drafting)

**Grade Level:** 9-12

**Terms:** 1

**Prerequisites:** None



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

## Architectural (House) Drawing

**Grade Level:** 10-12

**Terms:** 1

**Prerequisites:** Introduction to CAD



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

## CIS 3-D Mechanical Drawing

**Grade Level:** 10-12

**Terms:** 1

**Prerequisites:** Introduction to CAD



**Description:** Students who enjoyed working with AutoCAD in Introduction to CAD will find this class entertaining. Students will use a 3-Dimensional software called CREO to draw mechanical objects in 3-D. Students will learn how to draw exploded views, threaded bolts, and much more. Students will also produce actual models of their drawings using the laser and the 3-D printer. **Upon successful completion of the course, students who are eligible for college credit will earn 4 credits from Hennepin Technical College. (Eligibility requirement - Grades 10-12; GPA 2.0)**

## Competitive Engineering 1

**Grade Level:** 9-12

**Terms:** 1

**Prerequisites:** None



**Description:** This class is for students who are creative, thinking about becoming engineers, or like to work with their hands. Students have to find creative solutions to problems they're given in class. Students will compete directly with classmates to see who developed the best solution to the given problem. Examples of problems are catching eggs using only cardboard and duct tape, building a catapult, and making a "wire racer". If it sounds fun and interesting...it is! Students will follow a research and development process for solving the problems. Students keep a daily journal but do **not** write research papers.

## CIS Competitive Engineering 2

**Grade Level:** 10-12

**Terms:** 1

**Prerequisites:** Competitive Engineering 1



**Description:** This class is for students who are creative, thinking about becoming engineers, or like to work with their hands. Students have to find creative solutions to problems they're given in class. Students will compete directly with classmates to see who developed the best solution to the given problem. Examples of problems are catching eggs using only cardboard and duct tape, building a catapult, and making a "wire racer". If it sounds fun and interesting...it is! Students will follow a research and development process for solving the problems. Students keep a daily journal but do **not** write research papers. **Upon successful completion of the course, students who are eligible for college credit will earn 3 credits from Hennepin Technical College. (Eligibility requirement - Grades 11-12; GPA 2.0; Grade 10 with counselor approval)**

## Technology Exploration

**Grade Level:** 9-12

**Terms:** 1 or 2

**Prerequisites:** None



**Description:** This class, in which you explore a wide variety of technologies, is freshly updated with new equipment and curriculum. The class offers students hands on opportunities to design and create a variety of projects including vinyl decals, videos/animations, 3d printed designs, robots, t-shirts, and more. Technologies included are: Computer Graphics, Digital Photography, CNC Machining, Computer Animation, Digital Video, Digital Audio, Electronics Kits, Robotics, CAD/3D Modeling, 3D printing, Laser

Engraving, Vinyl Cutting, and Bridge

Design/Construction. Students also complete technological problem-solving/design projects during the course. This class is designed to allow students to take it for two terms in the same year or different years. **Please note:** There will be some fees charged for materials.

## Intro to Digital Photography/Video

**Grade Level:** 10-12

**Terms:** 1

**Prerequisites:** None



**Description:** Interested in computer graphics, digital photography/imagery, and digital video? Then this is the class for you! This class offers the opportunity to: produce photo collages/montages from scanned & digital photos, produce digital video projects, and produce color page layouts. During the production process students will learn how to put together interesting and creative photo and video projects by adding cool effects. Students will learn to use a few different software programs and have the opportunity to work with a variety of photo and video equipment. This is a fun class that allows you to be creative.

## Electricity/Electronics

**Grade Level:** 9-12

**Terms:** 1

**Prerequisites:** None



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

## Wood Technology

**Grade Level:** 9-12

**Terms:** 1

**Prerequisites:** None



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

## Wood Technology 2

**Grade Level:** 10-12

**Terms:** 1

**Prerequisites:** Wood Technology



**Description:** For those of you who enjoyed working with your hands in Wood Technology, this class is for you. Students will build a pre-assigned project. Woods II will continue to teach you skills that will make you a better craftsperson with your hands. **Please note,** students are responsible for their extra material.

## CIS Wood Technology 3

**Grade Level:** 10-12

**Terms:** 1

**Prerequisites:** CIS Woods 2



**Description:** Why stop at two? Go for three. Students will be able to continue developing craft and building skills. Students will build a pre-assigned project. **Upon successful completion of the course, students who are eligible for college credit will earn 3 credits from St. Cloud State University. (Eligibility requirement - 2.5 GPA & pass Woods 2)**

## Agricultural Construction

**Grade Level:** 10-12

**Terms:** 1

**Prerequisites:** None



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

## Intro to Construction

**Grade Level:** 11-12

**Terms:** 2

**Prerequisites:** None



**Description:** This class will provide a foundational overview of the construction industry, covering key concepts like building materials, construction methods, safety procedures, blueprint reading, basic hand and power tools, site preparation, framing, different trades involved (plumbing, electrical, etc.), project management, and career pathways within the field, often incorporating hands-on activities to familiarize students with practical applications on small-scale construction projects.

## Robotics

**Grade Level:** 9-12

**Terms:** 1

**Prerequisites:** None



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

## Robotics 2

**Grade Level:** 9-12

**Terms:** 1

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



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

## Intro to Welding

**Grade Level:** 9-12

**Terms:** 1

**Prerequisites:** None



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

## Welding 2

**Grade Level:** 10-12

**Terms:** 1

**Prerequisites:** Welding 1

*\*New Course\**



**Description:** Welding 2 emphasizes advanced techniques beyond Intro to Welding, including different welding processes like Gas Tungsten Arc Welding (GTAW) (TIG), Gas Metal Arc Welding (GMAC)(MIG), and Shielded Metal Arc Welding (SMAW). Students will learn to perform welds in more challenging positions (Vertical, Overhead, Horizontal), understand joint preparation. This course will prepare students for the demanding industry roles by fostering problem-solving skills and providing hands-on experience with complex projects and materials. *Students who have taken Machine Trades or Welding at WTC or Intro to Metals are not eligible.*

## Sheet Metal Fabrication

**Grade Level:** 9-12

**Terms:** 1

**Prerequisites:** None



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

# World Language

All languages offer Levels 1-5. Plan accordingly.

## Intro to World Languages

**Grade Level:** 9-12

**Terms:** 1

**Prerequisites:** None



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

## French 1, German 1, or Spanish 1

**Grade Level:** 9-12

**Terms:** 2

**Prerequisites:** None

\*Native or Heritage speakers should take a placement test to determine their level.



**Description:** Level 1 will introduce students to the basic aspects of culture, language and geography. Students practice the four language learning skills: speaking, listening, reading, and writing. In level I their writing skills focus on spelling and simple sentence structure, whereas their listening and speaking focus is on basic conversational skills and pronunciation. Students read to comprehend elementary texts. Additionally, cultural aspects like customs, traditional food, school, family and holidays are addressed. By the end of this level a student should be able to participate in simple conversation and understand simple spoken and written materials. This course is designed for all students in grades 9-12. This is a rigorous class, which requires students to do work daily outside of the classroom. Non-native speaker students who may want to qualify to take the CIS Levels 4 & 5 must take Level 1 in 9<sup>th</sup> grade.

## French 2, German 2, or Spanish 2

**Grade Level:** 9-12

**Terms:** 2

**Prerequisites:** Successful completion of Level 1 with a C or above OR placement test for Native/Heritage speakers



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

## Spanish 3

**Grade Level:** 10-12

**Terms:** 2

**Prerequisites:** Successful completion of Level 2 with a C or above OR placement test for Native/Heritage speakers



**Description:** This level further prepares students to communicate with native speakers. Students work towards intermediate level composition and conversation, as well as reading and listening to authentic materials, such as podcasts, short videos, and articles for basic comprehension. 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 increasing their accuracy in the target language. Upon successful completion of this course students are prepared to continue language learning at a college level.

## CIS French 1003

**Grade Level:** 11-12

**Terms:** 2



**Prerequisites for BHS:** Successful completion of Level 2 with a C or above

**Prerequisites for UMN:** Successful completion of Level 2 with a B or above, and in the top 30% of your class (top 50% will be eligible for consideration)

\*Native speakers may be able to test into the course.

**Description:** CIS French 1003 is a two-trimester course of language study intended for students who are either college-bound or who want to expand their language skills at an intermediate level. The first six weeks of the course is a review and preparation of topics for the CIS curriculum. The remaining 18 weeks of the course follows the FREN 1003 U of MN Twin Cities curriculum. Students learn to express themselves through speaking and writing and are expected to understand language at a more advanced level. Upon successful completion of the course, students who are eligible for college credit will earn 5 credits from the University of Minnesota-Twin Cities. **(Eligibility requirement - Juniors & Seniors: Top 30%; C in prior levels)**

## CIS German 1003

\*This class will be offered again in 2027-28.

**Grade Level:** 11-12

**Terms:** 2



**Prerequisites for BHS:** Successful completion of Level 2 with a C or above

**Prerequisites for UMN:** Successful completion of Level 2 with a B or above, and in the top 30% of your class (top 50% will be eligible for consideration)

**Description:** CIS German 1003 is a 2-trimester sequence of language study intended for students who are either college-bound or who want to expand their language skills at an intermediate level. It is a review of and practice of all past grammatical and communicative topics and an introduction to more sophisticated topics. Students learn to express themselves through speaking and writing and are expected to understand language at a more advanced level. **Upon successful completion of the course, students who are eligible for college credit will earn 5 credits from the University of Minnesota-Twin Cities.** **(Eligibility requirement - Juniors & Seniors: Top 30%; C in prior levels)** Note: German 1003 does not have to be taken in sequential order before German 1004. These 2 courses will be offered in an every other year option and students should register for the course offered in the upcoming school year as determined by the German Department.

## CIS French 1004

**Grade Level:** 12

**Terms:** 2



**Prerequisites for BHS:** Successful completion of French 1003 with a C or above

**Prerequisites for UMN:** Successful completion of French 1003 with a B or above, and in the top 30% of your class (top 50% will be eligible for consideration)

\*Native speakers may be able to test into the course.

**Description:** CIS French 1004 is a two-trimester sequence of language study intended for students who are either college-bound or who want to expand their language skills at an intermediate level. This course follows the FREN 1004 U of MN Twin Cities curriculum. This course is a review of all past grammatical and communicative topics. Students learn to express themselves through speaking and writing and are expected to understand language at a more advanced level. **Upon successful completion of the course, students who are eligible for college credit will earn 5 credits from the University of Minnesota-Twin Cities.** **(Eligibility requirement - Juniors & Seniors: Top 30%; C in prior levels)**

## CIS German 1004

**Grade Level:** 11-12

**Terms:** 2



**Prerequisites for BHS:** Successful completion of Level 2 with a C or above

**Prerequisites for UMN:** Successful completion of Level 2 with a B or above, and in the top 30% of your class (top 50% will be eligible for consideration)

**Description:** CIS German 1004 is a 2-trimester sequence of language study intended for students who are either college-bound or who want to expand their language skills at an intermediate level. It is a review of and practice of all past grammatical and communicative topics and an introduction to more sophisticated topics. Students learn to express themselves through speaking and writing and are expected to understand language at a more advanced level. **Upon successful completion of the course, students who are eligible for college credit will earn 5 credits from the University of Minnesota-Twin Cities.** **(Eligibility requirement - Juniors & Seniors: Top 30%; C in prior levels)** Note: German 1003 does not have to be taken in sequential order before German 1004. These 2 courses will be offered in an every other year option and students should register for the course offered in the upcoming school year as determined by the German Department.

## **CIS Spanish 1003 & 1004**

**Grade Level:** 12

**Terms:** 2 or 3



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

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

\*Native speakers may be able to test into the course.

**Description:** CIS Spanish 1003 & 1004 is a three-trimester sequence of language study intended for students who are either college-bound or who want to expand their language skills at an intermediate level. It is a review and practice of all past grammatical and communicative topics and an introduction to more sophisticated topics. Students learn to express themselves through speaking and writing and are expected to understand language at a more advanced level.

**Upon successful completion of the 1st and 2nd trimesters, students who are eligible for college credit will earn 5 credits from the University of Minnesota-Twin Cities. Upon successful completion of the 3rd trimester, students who are eligible for college credit will earn an additional 5 credits from the University of Minnesota-Twin Cities – totaling 10 credits. (Eligibility requirement - Juniors & Seniors: Top 30%; C in prior levels)**



### Why Bison Online?

#### 1. Buffalo High School Diploma

- ★ Earn a well-regarded BHS diploma and participate in the BHS graduation ceremony

#### 2. Maximum Flexibility

- ★ Full-time or part-time students are empowered to have the flexibility of both online and in-person learning

#### 3. Meaningful Course Options

- ★ Core classes that align with BHS
- ★ Career-focused electives
- ★ Multiple AP opportunities

#### 5. Aligned Tech & Systems

- ★ One set of systems to learn (e.g. email, Infinite Campus, etc.)
- ★ Familiar resources - Google Classroom, Edmentum!
- ★ Everything is on the trimester schedule
- ★ Aligned graduation requirements

#### 6. Student Supports

- ★ Teachers available online and in-person
- ★ Resources of BHS to provide multiple opportunities for intervention and support
- ★ Maintain access to school counselors and case managers if going between online & in-person

#### 4. Student Life

- ★ Access to all BHS activities
- ★ Student experiences (e.g. dances, events, etc.)
- ★ Classes with BHS students and teachers
- ★ Availability for student leadership and recognition opportunities

Experience of BHS  
+  
Online Flexibility

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Empowering Learners,  
Inspiring Futures!

### Mission Statement:

Bison Online, in partnership with Buffalo High School, is dedicated to providing engaging, relevant, and equitable online education. We aspire to pioneer innovative and inclusive solutions that eliminate barriers to high-quality learning, empowering students for their college and career success

### What is Bison Online?

Bison Online is an asynchronous, online learning environment taught and implemented by Buffalo High School teachers and staff. Full-time Bison Online students will be able to earn a Buffalo High School diploma, and have full access to BHS activities and events. Students who prefer a blend of in-person and online learning can have the flexibility to choose part-time participation.

### How do I register for Bison Online?

Students will register for Bison Online classes in the same way that they do for in-person classes. Near the end of the registration guide is a section dedicated to those classes that are offered online. In addition to registering, students also need to complete the Bison Online Permission Form and have the required parent signature. Please review the [Bison Online Parent/Student communication folder](#) for more information regarding Bison Online. Students will not be enrolled in Bison Online classes if they have not completed the permission form.

# AGRICULTURE - ONLINE

## Intro to Agriculture - ONL

**Grade Level:** 9-12

**Terms:** 1

**Prerequisites:** None



**Description:** This one-trimester course is intended to help you familiarize yourself with various aspects of the agriculture, food science, and natural resources industries. This course covers basic concepts in the field of agriculture, food science, and natural resources. It also covers career opportunities in these fields and the academic skills and knowledge required for a successful career in agriscience.

## Natural Resources - ONL

**Grade Level:** 10-12

**Terms:** 1

**Prerequisites:** None



**Description:** The course begins with an introduction to types of natural resources, including biotic, abiotic, renewable, and nonrenewable resources, as well as their geographic distribution and uses. You will examine how various human activities, including agriculture, industry, transportation, and outdoor recreation, affect the availability of natural resources. You will explore air quality management and water conservation, and evaluate the costs and benefits of using renewable energy resources such as wind energy, solar energy, and hydroelectric power.

## Veterinary Science - ONL

**Grade Level:** 10-12

**Terms:** 1

**Prerequisites:** Animal Science or Companion Animal Science & Biology A/B



**Description:** In the Introduction to Veterinary Science course, you will explore the history of veterinary science, and the skills and requirements for a successful career in the veterinary industry. You will also explore the physiology and anatomy of animals, learn how to evaluate their health, and determine effective treatment for infectious and noninfectious diseases. Additionally, you will learn about zoonotic diseases, and the impact of toxins and poisons on animal health.

# ART - ONLINE

## Art Foundations - ONL

**Grade Level:** 9-12

**Terms:** 1

**Prerequisites:** None



**Description:** In Art Foundations - Online, you will trace the history of art and describe various art forms. You will identify the elements of art and examine the principles of design. You will analyze the parameters in evaluating and critiquing art. You will examine copyright laws and discuss the ethical use of art.

# BUSINESS - ONLINE

## College & Career Exploration - ONL

**Grade Level:** 9-12

**Terms:** 1

**Prerequisites:** None



**Description:** College & Career Explorations - Online is a one-semester course intended as a practical, hands-on guide to enable you to explore career opportunities in different career clusters and pathways. The course also enables you to create an academic and career plan based on your personal interests and skills and professional goals.

## Intro to Business - ONL

**Grade Level:** 9-12

**Terms:** 1

**Prerequisites:** None



**Description:** Introduction to Business - Online provides the foundational knowledge and skills students need for careers in business and technology. Throughout the course, students gain a knowledge of business principles and communication skills, an understanding of the impact of financial and marketing decisions, and proficiency in the technologies required by business. Students also learn the essentials of working in a business environment, managing a business, and owning a business.

## Computer Applications - ONL

**Grade Level:** 9-12

**Terms:** 1

**Prerequisites:** None



**Description:** Computer Applications - Online provides an introduction to software applications that prepares students to succeed in the workplace and beyond. Students will develop an understanding of professional communications and leadership skills while gaining proficiency with word processing, email, and presentation management software. Students will also be able to demonstrate digital literacy through basic study of web publishing and design, spreadsheets, and database software. This course allows students to explore careers in the fields of business and information technology while learning skills applicable to any professional setting. Through a series of hands-on activities, students will create, analyze, and critique reports, letters, project plans, presentations, and other professional communications. In addition, students will evaluate the qualifications

required for specific careers so they can identify opportunities that are of interest to them.

## Digital & Graphic Design - ONL

**Grade Level:** 9-12

**Terms:** 1

**Prerequisites:** None



**Description:** This course describes how to create images using color and typography and how to manipulate images. It also guides you how to create images using design elements and principles. This course will guide you on how to create graphic products such as logos, posters, and magazine covers. In addition, the course covers art criticism in graphic artwork and digital publishing.

## Accounting - ONL

**Grade Level:** 10-12

**Terms:** 1

**Prerequisites:** None



**Description:** This course provides an introduction to fundamental accounting principles and bookkeeping concepts, equipping students with the skills to evaluate businesses and prepare financial statements. It covers the accounting cycle, financial analysis, and specialized procedures such as tracking cash flow. Additionally, the course highlights career opportunities in accounting, the role of information technology, and the interpersonal and professional skills necessary for success in the field.

## Personal Finance - ONL

**Grade Level:** 10-12

**Terms:** 1

**Prerequisites:** None



**Description:** Personal Finance - Online is a one-semester course designed to equip students with essential financial literacy skills to help them achieve personal and career goals. Students will learn about the role of consumers in the U.S. economy, sources of consumer information, and their rights and responsibilities. The course covers financial institutions, banking services, income management, and financial planning. It explores consumer credit, home and car ownership decisions, tax calculations, and investment strategies. Additionally, students will examine risk management through insurance options and career opportunities in personal finance and consumer services, preparing them for informed financial decision-making.

## Marketing - ONL

**Grade Level:** 10-12

**Terms:** 1

**Prerequisites:** None



**Description:** This course explores key marketing functions, including product planning, advertising, and the sales process. Students will examine financial statements, business structures, and the relationship between marketing and advertising. The course covers product design, marketing research, pricing strategies, and the role of economic theory in sales. Additionally, students will analyze advertising techniques, selling strategies, and career opportunities in marketing while developing professional skills and workplace ethics essential for success in the industry.

## Introduction to Criminology - ONL

**Grade Level:** 10-12

**Terms:** 1

**Prerequisites:** None

**Description:** Introduction to Criminology - Online is a comprehensive one-semester course. This course examines the fundamental theories and concepts related to crime, deviance, and the criminal justice system. You will learn about the key theories and concepts surrounding crime, deviance, and the criminal justice system. Throughout the course, you will investigate various criminological theories, analyze the societal factors influencing crime, and examine contemporary issues in the field. You will also evaluate crime prevention strategies and their effectiveness in different contexts.

## Sports & Entertainment Marketing - ONL

**Grade Level:** 11-12

**Terms:** 1

**Prerequisites:** Marketing



**Description:** This course explores fundamental concepts in sports, entertainment, and recreation marketing, focusing on advertising, sponsorships, and marketing campaigns. Students will examine the industry's scope, key marketing functions, and the importance of segmentation and positioning. The course also emphasizes workplace skills such as teamwork, leadership, and time management. Additionally, students will analyze marketing

research, quantitative methods, and the role of endorsements and sponsorships in the industry. The course provides insights into sales processes and organizational purchasing, preparing students for careers in sports, entertainment, and recreation marketing.

## Entrepreneurship - ONL

**Grade Level:** 11-12

**Terms:** 1

**Prerequisites:** Intro to Business or Marketing



**Description:** This course explores key marketing functions, including product planning, advertising, and the sales process. Students will examine financial statements, business structures, and the relationship between marketing and advertising. The course covers product design, marketing research, pricing strategies, and the role of economic theory in sales. Additionally, students will analyze advertising techniques, selling strategies, and career opportunities in marketing while developing professional skills and workplace ethics essential for success in the industry.

## College & Career Prep - ONL

**Grade Level:** 11-12

**Terms:** 1

**Prerequisites:** None



**Description:** High school students have many questions about the college application process, what it takes to be a successful college student, and how to begin thinking about their careers. In College and Career Preparation - Online, students obtain a deeper understanding of what it means to be ready for college. Students are informed about the importance of high school performance in college admissions and how to prepare for college testing. They know the types of schools and degrees they may choose to pursue after high school and gain wide exposure to the financial resources available that make college attainable. Career readiness is also a focus. Students connect the link between interests, college majors, and future careers by analyzing career clusters. Students come away from this course understanding how smart preparation and skill development in high school can lead to expansive career opportunities after they have completed their education and are ready for the working world.

# ENGLISH - ONLINE

## English 9 - ONL

**Grade Level:** 9

**Terms:** 2

**Prerequisites:** None



**Description:** English 9 is a comprehensive study of language through the interpretation and analysis of diverse, authentic texts. In Semester A, students will examine poetry, fiction, and nonfiction to explore thematic connections and enhance their writing and discussion skills. Semester B builds on these skills by analyzing drama, historical documents, speeches, and shorter fictional texts. Throughout the course, students will study authorial techniques and apply them to their own writing, fostering growth as both writers and critical thinkers.

## English 10 - ONL

**Grade Level:** 10

**Terms:** 2

**Prerequisites:** None



**Description:** English 10 is a study of language through the interpretation and analysis of diverse texts, helping students develop their own writing skills. In Semester A, students will explore themes, literary elements, and word choice in classic, modern, and world literature, while analyzing informational texts for structure and central ideas. Semester B builds on these skills by examining characterization, literary structure—including Shakespeare—and analyzing seminal documents for effective argumentation. The course culminates in a research paper, allowing students to apply their analytical and writing skills to a self-selected topic.

## English Lit & Comp - ONL

**Grade Level:** 11

**Terms:** 2

**Prerequisites:** None



**Description:** English 11 focuses on the creation and analysis of literature in the English language while developing reading comprehension and writing skills. In Trimester A, students explore various writing styles, including creative, descriptive, expository, narrative, and persuasive, while analyzing American literary movements over time. Trimester B continues with a focus on modern American literature, emphasizing literary techniques, form, and theme. Throughout the course, students engage in writing activities to evaluate literary works and refine their own writing across multiple genres.

## English 12 - ONL

**Grade Level:** 12

**Terms:** 2

**Prerequisites:** None



**Description:** English 12 explores the creation and analysis of literature in relation to British history. In Trimester A, students study literature from the Anglo-Saxon period through the neoclassical era, including Shakespeare, while examining cultural and political influences. Trimester B continues with literature from the Romantic period to the modern era. Throughout the course, students enhance reading comprehension, writing skills, and grammar while engaging in various writing styles, including creative, descriptive, expository, narrative, and persuasive. Analytical and persuasive writing activities help students develop critical thinking and literary evaluation skills.

## English Grammar & Usage - ONL

**Grade Level:** 9-12

**Terms:** 1

**Prerequisites:** None



**Description:** English Grammar & Usage - Online is the study of principles of grammar and effective writing, and the application of these principles to writing. In English Grammar & Usage - Online, you will learn about the types of sentences, punctuation marks and grammar rules such as subject verb agreement and tenses; you will also learn about different parts of speech and their correct usage; examine the concept of parallel structure in sentences as well as identify and correct run-on sentences. Finally, you will learn about developing paragraphs and essays.

## Creative Writing - ONL

**Grade Level:** 9-12

**Terms:** 1

**Prerequisites:** None



**Description:** Creative Writing begins with an introduction to types of creative writing, including novels and short stories. You will also explore how to craft dialogue for theater, movies, and television. As you progress in the course, you will learn about the different forms and techniques of poetry. You will become familiar with personal narratives, such as speeches. Additionally, you will delve into the world of literary journalism as well as food and travel writing. Finally, you will learn about the steps you need to follow to publish your work.

# FAMILY & CONSUMER SCIENCE - ONLINE

## Intro to Fashion Design - ONL

**Grade Level:** 9-12

**Terms:** 1

**Prerequisites:** None



**Description:** Introduction to Fashion Design is intended to introduce students to the basics of fashion design. This course is designed to provide students insight on the history of fashion and its place in the modern world and to help them understand terms and concepts related to fashion. From the inspiration for a garment to creating sketches until the final product takes shape is a long process that involves various activities such as fashion forecasting, predicting consumer demand, drafting the designer's worksheet, pricing, etc.

## Fundamentals of Food Prep - ONL

**Grade Level:** 9-12

**Terms:** 1

**Prerequisites:** None



**Description:** Fundamentals of Food Prep - Online is intended to help you gain an understanding of the history and development of culinary arts. This course covers the basics of nutrition, and health, safety, and sanitation. In addition, the course explains the basic science principles used in cooking and various cooking methods.

## Culinary Foods - ONL

**Grade Level:** 10-12

**Terms:** 1

**Prerequisites:** Fundamentals of Food Prep or Fundamentals of Food Prep - Online



**Description:** Culinary Foods - Online will help you gain an understanding of menu planning, food presentation, and different service styles. This course covers the running of food service establishments and kitchen management skills. In addition, the course explains the personal skills and professional traits needed in the food service industry. Finally, the course covers career opportunities and career management skills.

## Child Development & Parenting - ONL

**Grade Level:** 9-12

**Terms:** 1

**Prerequisites:** None



**Description:** This course covers child development, parenting, and essential parenting skills. Students will explore the roles and responsibilities of parents, effective communication with children, and key workplace skills like ethics and time management. The course examines parenting styles, trends, and their impact on child development, along with family planning strategies and parental responsibilities. Students will also review laws, programs, and organizations focused on child welfare. Additionally, the course highlights career opportunities in child care and development, emphasizing work habits and professional skills needed in the field.

## Intro to Education & Training - ONL

**Grade Level:** 9-12

**Terms:** 1

**Prerequisites:** None



**Description:** This one term course is intended to help familiarize you with career opportunities in the education and training career clusters. This course covers career opportunities in the three pathways in the education and training cluster – administration, education, and professional support. In addition, the course covers personal and professional skills that are necessary for a career in this field.

## Principles of Education & Training - ONL

**Grade Level:** 10-12

**Terms:** 1

**Prerequisites:** Child Development or Intro to Education & Training - Online



**Description:** This one term course is intended to help familiarize you with teaching strategies as well as the importance of child growth and development for educators. This course explains child development, health, nutrition, and safety requirements for children. In addition, the course covers teaching strategies as well as technologies that can aid educators.

# HEALTH & PHYSICAL EDUCATION - ONLINE

## PE 9 - ONL

**Grade Level:** 9

**Terms:** 1

**Prerequisites:** None

**Description:** Your body is a machine that has certain needs—if you treat it well, it should be able to serve you well. But what can you do to promote a fit and healthy body? A course in physical education can show you. By definition, physical education is instruction in exercise and physical activity. It teaches you how to maintain your personal fitness, how to measure different aspects of physical fitness, and how to avoid injury while exercising. It's all about getting active and setting your body in motion. By measuring health and fitness with objective data, it's possible to improve your health in a methodical way. Exercise helps you feel good about yourself and helps you sidestep the health problems that often accompany poor levels of fitness.

## PE 10 - ONL

**Grade Level:** 10

**Terms:** 1

**Prerequisites:** PE 9

**Description:** PE 10 promotes life-long fitness and wellness. Students will independently average 150 minutes of physical activity each week, encouraging personal accountability and fitness tracking. The course also emphasizes holistic well-being, integrating written assignments on mental and emotional health, stress management, and mindfulness. At the end of the term, students will have gained practical skills, knowledge, and habits to maintain a balanced and healthy lifestyle.

## Health 10 - ONL

**Grade Level:** 10

**Terms:** 1

**Prerequisites:** None

**Description:** This course focuses on understanding health and making lifestyle choices that promote long-term well-being. Students will learn about healthy diets, the relationship between nutrition and chronic diseases, the benefits of physical activity, and the impact of a sedentary lifestyle. The course also covers strategies for disease prevention, the influence of peer pressure, and the benefits of healthy sexual practices,

including abstinence. Students will explore the risks of dietary supplements and steroids, as well as the benefits and potential misuse of medicines.

Additionally, the course addresses mental and emotional health issues, guiding students in making informed health decisions.

## Nutrition and Wellness - ONL

**Grade Level:** 10-12

**Terms:** 1

**Prerequisites:** None



**Description:** Nutrition and Wellness is a one-semester introductory course that explores the fundamentals of nutrition, health, and overall well-being. Students will examine the functions of nutrients, their sources, and how the body processes them, while learning to interpret food labels and dietary guidelines. The course covers the impact of nutrition on physical fitness, mental health, chronic illness, and life stages, as well as eating disorders and food allergies. Students will also gain practical knowledge in food safety, preparation, menu planning, and current trends in the food industry. Emphasis is placed on personal wellness, goal setting, and exploring career opportunities in the nutrition and wellness field. Through interactive lessons, assignments, and projects, students will build essential skills for maintaining a healthy lifestyle and preparing for future careers.

## Exercise Science - ONL

**Grade Level:** 10 -12

**Terms:** 1

**Prerequisites:** None



**Description:** Exercise Science introduces students to the fundamentals of exercise physiology and wellness. The course covers biomechanics, kinesiology, and the various body systems. Nutrition and physical activity are also discussed. Students will focus on physical assessment, fitness and biometric measurements, training principles, and exercise programs. The course also covers injury and illness management, and rehabilitation.

# MATH - ONLINE

## Intermediate Algebra - ONL

**Grade Level:** 9-10

**Terms:** 2

**Prerequisites:** None

**Description:** Intermediate Algebra is designed to strengthen students' mathematical skills and knowledge. Students will focus on linear relationships, including graphing, creating, and solving linear equations, using function notation, and representing data with scatter plots and mathematical models. The course also covers systems of linear equations and inequalities, helping students analyze datasets in various contexts. Later, the focus shifts to quadratic and exponential relationships. Students will perform operations on polynomials, factor quadratics, and solve quadratic equations using various methods. They will also model real-world situations with quadratic and exponential functions, making predictions and comparing different function types graphically and algebraically.

## Geometry - ONL

**Grade Level:** 9-12

**Terms:** 2

**Prerequisites:** Intermediate Algebra or Teacher Recommendation



**Description:** Geometry is a branch of mathematics focused on the relationships and properties of points, lines, angles, and shapes. Students will study the foundations of geometry, coordinate geometry, and transformations, using them to explore congruence and similarity of polygons. The course also includes investigating and proving theorems about lines, angles, and polygons, along with geometric constructions. Students will also focus on right triangles, trigonometry, circle properties, and apply geometric concepts to probability. The course also covers surface area, volume, and real-world problem-solving using geometric principles.

## Algebra 2 - ONL

**Grade Level:** 10-12

**Terms:** 2

**Prerequisites:** Geometry



**Description:** Algebra 2 is a two-semester course that strengthens mathematical skills and understanding. Students will focus on linear and quadratic relationships, including operations on polynomials, factoring, and graphing quadratic equations. They will model real-world situations with quadratic functions and solve equations using various methods, comparing different function types graphically and algebraically. Students will study radical functions, solve radical equations, and graph radical functions. The course also covers operations on rational expressions, exponential functions, arithmetic and geometric sequences, and key concepts in statistics, including sampling techniques and data analysis.

## Precalculus - ONL

**Grade Level:** 10-12

**Terms:** 2

**Prerequisites:** C or higher in Algebra 2



**Description:** Precalculus is a course that prepares students for calculus by deepening their understanding of algebra and trigonometry. In Precalculus, students will study inverse, trigonometric and logarithmic functions, trigonometric identities, complex numbers, and vectors, applying these concepts to real-world situations. Students will study conic sections, matrices, sequences, induction, and probability, while introducing basic calculus concepts such as limits and area under a curve, and applying these concepts to practical situations.

## Financial Algebra - ONL

**Grade Level:** 12

**Terms:** 1

**Prerequisites:** None



**Description:** Financial Math explores fundamental and advanced concepts of financial algebra. The course covers financial planning, expense management, goal setting, and modeling growth through interest calculations. It also examines investments, including their costs, risks, and returns. Later we will delve into business financial planning, the use of credit and loans, tax procedures, and the impact of various taxes on investments.

## AP Calculus AB – ONL

(Full-time Online Students Only)

**Grade Level:** 10 -12

**Terms:** 2

**Prerequisites:** Precalculus or CIS College Algebra



**Description:** Calculus is the mathematics of change. It is used to solve complex problems that are continuously evolving and would otherwise be unsolvable with only algebra and geometry. This online advanced placement course is designed to prepare students to become deep mathematical thinkers. You will explore the calculus concepts of limits, differentiation, and integration and apply these concepts in meaningful ways. College credit may be earned by passing the AP Exam.

## AP Statistics – ONL

(Full-time Online Students Only)

**Grade Level:** 10 -12



**Terms:** 2

**Prerequisites:** B or Higher in Algebra 2

**Description:** AP Statistics is a two-semester course that gives students hands-on experience collecting, analyzing, graphing, and interpreting real-world data. They will learn to effectively design and analyze research studies by reviewing and evaluating real research examples taken from daily life. The next time they hear the results of a poll or study, they will know whether the results are valid. As the art of drawing conclusions from imperfect data and the science of real-world uncertainties, statistics play an important role in many fields. The equivalent of an introductory college-level course, AP Statistics prepares students

for the AP exam and for further study in science, sociology, medicine, engineering, political science, geography or business.

## AP Computer Science A – ONL

(Full-time Online Students Only)

**Grade Level:** 10 -12

**Terms:** 2



**Prerequisites:** Intro to Computer Programming or Teacher Recommendation

**Description:** In AP Computer Science A, you will describe the basic concepts of computer programming. You will compile and run a simple Java program. You will use arithmetic, relational, and logical operators. You will implement algorithms, and use different types of loop and decision-making statements. You will create and use classes. You will create and manipulate one-dimensional and two-dimensional arrays. You will perform sequential search, binary search, selection sort, and insertion sort on an array. You will explain and implement object-oriented programming design. You will implement inheritance, polymorphism, and abstraction. Further, you will describe privacy and legality in the context of computing.

## MUSIC - ONLINE

### Music Appreciation - ONL

**Grade Level:** 9-12

**Terms:** 1

**Prerequisites:** None



**Description:** This one-semester elective course is intended as a practical, hands-on guide to introduce you to the field of music appreciation. You'll first identify elements and patterns in music and learn to identify various elements of musical notation. Next, you'll explore the history and evolution of music from the Middle Ages through to the modern era. Then, you'll learn about the influence of music on society and culture. Finally, you'll learn of the various compositional and expressive devices and how to evaluate a concert.

# SCIENCE - ONLINE

## Earth Science - ONL

**Grade Level:** 9

**Terms:** 2

**Prerequisites:** None



**Description:** Earth Science explores the structure of our planet, its role in the solar system, and the natural processes that shape both Earth and the universe. The course covers scientific methods, the formation of the solar system, interactions between the Sun, Earth, and Moon, and Earth's geological and atmospheric history, plate tectonics, weathering and erosion, weather and climate modeling, and human impacts on Earth's natural cycles.

## Biology - ONL

**Grade Level:** 10-12

**Terms:** 2

**Prerequisites:** Earth Science



**Description:** Biology is a two-term course that explores fundamental biological concepts through interactive labs. Topics included are biochemistry, cell structure and function, organ systems, cell division, and genetic inheritance, classification and characteristics of living organisms, evolutionary mechanisms, and the influence of environmental factors on species. It also examines energy conservation in living systems and the interdependence of ecosystems.

## Chemistry - ONL

**Grade Level:** 10-12

**Terms:** 2

**Prerequisites:** Geometry



**Description:** Chemistry is the study of matter, its composition, properties, and transformations. This two-term course explores the structure of matter, the periodic table, atomic structure, and chemical bonding in ionic, covalent, and metallic compounds. Students will predict chemical reactions and analyze stoichiometry, aqueous solutions, acids and bases, and gas behavior using the ideal gas law. The course also examines energy changes in physical and chemical processes, bond energies, and nuclear reactions, including radioactive decay, fusion, and fission.

## Physics - ONL

**Grade Level:** 10-12

**Terms:** 2

**Prerequisites:** Geometry



**Description:** Physics is one of the three main fields of science, along with biology and chemistry. If asked what biology and chemistry deal with, most of us can come up with a one-word answer: life and chemicals respectively. Physics often seems like a grab bag of topics, including motion, magnets, machines, light, sound, and electrical circuits. The common thread running through all these things is that they each illustrate some very basic mathematical laws in our physical world. In brief, physics is the scientific study of matter, energy, and their most fundamental physical interactions, including attractions, repulsions, and collisions.

## Wildlife Biology - ONL

**Grade Level:** 10-12

**Terms:** 1



**Prerequisites:** None

**Description:** In this course, you will identify employment and entrepreneurial opportunities in forestry, wildlife, and natural resource management. You will learn about safety hazards and procedures, examine water sources and water quality, and the effects of natural resource usage. Finally, you will learn about forest management methods and rangeland management strategies.

## Astronomy – ONL

**Grade Level:** 10 -12

**Terms:** 1



**Prerequisites:** None

**Description:** In Introduction to Astronomy, you will learn about the history of astronomy from ancient times to modern times. You will identify the movements of the Sun, Moon, planets, and stars across the sky. You will describe the formation of the solar system, and the role of the Sun and Moon in the solar system. You will describe the causes of seasons on Earth and the reasons for life on Earth. You will learn about stars, galaxies, and the Milky Way. You will explain various theories of cosmology, and advantages and disadvantages of space exploration.

## **Anatomy & Physiology – ONL**

**Grade Level:** 10 -12



**Terms:** 2

**Prerequisites:** Biology

**Description:** Anatomy and Physiology explores the structure and function of the human body. The course provides an overview of body organization, medical terminology, and the anatomy and physiology of cells and tissues. It covers the cardiovascular, immune, respiratory, digestive, and renal/urinary systems, along with common diseases and disorders affecting these systems. Trimester B builds on this foundation, focusing on the nervous, integumentary, musculoskeletal, endocrine, and reproductive systems, examining their structures, functions, and related health conditions.

## **Forensics – ONL**

**Grade Level:** 10 -12



**Terms:** 1

**Prerequisites:** None

**Description:** In Forensics- Online, you will learn about the importance and limitations of forensic science and explore different career options in this field. You will also learn to process a crime scene, collect and preserve evidence, and analyze biological evidence such as fingerprints, blood spatter, and DNA. Moreover, you will learn to determine the time and cause of death in homicides and analyze ballistic evidence and human remains at a crime scene. Finally, you will learn about forensic investigative methods used in arson, computer crimes, financial crimes, and forgeries.

# SOCIAL STUDIES - ONLINE

## Human Geography - ONL

**Grade Level:** 9

**Terms:** 1

**Prerequisites:** None



**Description:** Geography is the study of where things are in the world. It is important to know why people settled where they did: sometimes this is for weather-related reasons, and sometimes it's because of the bountiful natural resources nearby. In this course, you will learn about these special features which drive economic development and form the locales where people settle.

## US History – ONL

**Grade Level:** 10

**Terms:** 2

**Prerequisites:** None



**Description:** This US History course encourages you to examine, analyze, and evaluate significant events that have shaped the nation from its founding in the late 1700s to the modern era. You'll explore the nation's growth and expansion through diverse perspectives, analyzing primary and secondary sources. The course also covers key events from the Cold War to the War on Terror, emphasizing multiple viewpoints and critical inquiry. Throughout the course, you'll develop opinions, participate in discussions, and use critical thinking to understand the complexities of historical events and their lasting impacts on the United States.

## AP US History – ONL

(Full-time Online Students Only)

**Grade Level:** 10

**Terms:** 2

**Prerequisites:** English 9 with an A or Teacher Recommendation



**Description:** AP U.S. History encourages critical thinking and analysis of historical events, people, and themes. Students will evaluate historical materials, assess primary and secondary sources, and interpret research to form informed judgments. Through supplementary readings and thematic analysis, learners will deepen their understanding of key eras while developing reasoning and evidence-based conclusions. Rather than memorizing facts, the course emphasizes conceptual thinking about historical issues and their lasting impact on the United States.

## World History – ONL

**Grade Level:** 11

**Terms:** 2

**Prerequisites:** None



**Description:** World History is a two-term course that examines major historical events and developments across different eras. Trimester A covers European exploration, the Renaissance and Reformation, key revolutions from 1789 to 1848, and the Industrial and Russian Revolutions. Trimester B explores imperialism, the causes and consequences of World Wars I and II, the rise and fall of communism, the Cold War, decolonization in Southeast Asia and Africa, and modern global challenges, including economic globalization. Throughout the course, students will develop historical thinking skills and analyze the impact of historical events on the modern world.

## Citizenship & Government - ONL

**Grade Level:** 11-12

**Terms:** 1

**Prerequisites:** None



**Description:** Citizenship and Government is a single-term course designed to expand your understanding of the development of US democracy, its organizational structure, and the rights and roles of the citizenry. You'll analyze the features and powers of the government's legislative, executive, and judicial branches. You will also analyze landmark cases that shaped civil rights laws. At the end of the course, you'll explore the duties of civic life and citizenship in the United States.

## Economics – ONL

**Grade Level:** 11-12

**Terms:** 1

**Prerequisites:** None



**Description:** Economics is a social science that examines how goods and services are created, consumed, and exchanged. This course covers basic economic problems such as scarcity, choice, and effective use of resources. It also covers topics on a larger scale such as market structures and international trade. It particularly focuses on the US economy and analyzes the role of the government and the Federal Reserve System.

## Psychology A/B – ONL

**Grade Level:** 11 -12

**Terms:** 1 or 2

**Prerequisites:** None



**Description:** Psychology is a two-term course that explores key psychological theories, human development, and the factors influencing behavior. Trimester A covers the history of psychology, the nervous and endocrine systems, language development, and the effects of heredity, environment, society, and culture. Trimester B examines cognitive, psychosocial, and moral development, interpersonal relationships, violence, addiction, abnormal behavior, and psychological disorders. Students will also explore psychological counseling, problem-solving strategies, research methods, and career opportunities in psychology. Students may choose to take just Psychology A.

## World Religions – ONL

**Grade Level:** 9 -12

**Terms:** 1

**Prerequisites:** None



**Description:** This one-semester course is intended to familiarize you with the origins, history, beliefs, and practices of various prominent world religions, primal religions, and contemporary religious movements.

## Social Issues & Diversity – ONL

**Grade Level:** 11 -12

**Terms:** 1

**Prerequisites:** None



**Description:** This one-term elective course is intended as a practical, hands-on guide to introduce you to the field of sociology. You will explore the evolution of sociology as a distinct social science, learn about sociological concepts and processes, and discuss how the individual relates to society. You will also learn about the influence of culture, social structure, socialization, and social change in today's society.

# TECHNOLOGY EDUCATION - ONLINE

## Principles of Drafting & Design - ONL

**Grade Level:** 9-12

**Terms:** 1

**Prerequisites:** None



biotechnology, construction, and ethical issues while developing teamwork, communication, and employability skills. The course also highlights engineering's impact on society and the environment.

**Description:** This course covers the fundamental concepts of drafting and design, types of drafting tools, drafting conventions, sketching and drawing techniques, types of views and projections, and basic computer-aided design and drafting operations.

## Principles of Architecture & Construction - ONL

**Grade Level:** 9-12

**Terms:** 1

**Prerequisites:** None



**Description:** The Principles of Architecture and Construction introduces foundational concepts in architecture and construction. Students will learn about architectural drawings, materials, structures, loads, and equipment, along with career opportunities and workplace ethics in the field. Finally, students will explore computer use in design, project management, and safety, legal, and communication requirements in architecture and construction.

## Digital & Interactive Media - ONL

**Grade Level:** 10-12

**Terms:** 1

**Prerequisites:** None



**Description:** This one-term course provides a hands-on guide to digital and interactive media, covering a range of topics including graphic design, digital photography, digital printing, and multimedia. Students will explore careers, training, and emerging technologies in digital media, as well as learn about audio and video production. The course also addresses copyright laws and fair use..

## Principles of Engineering & Technology - ONL

**Grade Level:** 9-12

**Terms:** 1

**Prerequisites:** None



**Description:** This course explores engineering careers, systems, and technologies, covering design, problem-solving, energy, manufacturing, and structural systems. Students will examine

# WORLD LANGUAGE - ONLINE

## French 1 - ONL

**Grade Level:** 9-12

**Terms:** 2

**Prerequisites:** None



**Description:** In French 1A and 1B, you'll embark on a journey to learn the French language and explore the diverse cultures of the French-speaking world, which spans Europe, North America, and Africa. Starting with basic sentence structures, vocabulary, and grammar, you'll practice listening, speaking, reading, and writing to describe yourself, family, and social life. As you progress, you'll delve into topics like managing money, urban transportation, weather, food, fashion, art, health, and travel while continuing to strengthen your communication skills.

## French 2 – ONL

**Grade Level:** 9-12

**Terms:** 2

**Prerequisites:** French 1



**Description:** In French 2A and 2B, you'll deepen your French language skills while exploring topics like school life, relationships, personal routines, and dining etiquette. You'll also discuss professions, career plans, travel, nature, hobbies, and health, expanding your vocabulary and understanding of French-speaking cultures. Through listening, speaking, reading, and writing, you'll build on what you learned in French 1 to communicate effectively in more complex situations. Each unit introduces regions of the French-speaking world, enriching your cultural perspective and reinforcing your language skills as a foundation for continued study.

## German 1 – ONL

**Grade Level:** 9 -12

**Terms:** 1

**Prerequisites:** None



**Description:** In German 1A and 1B, you'll explore the German-speaking world—spanning Germany, Austria, Switzerland, Luxembourg, Liechtenstein, and beyond—while developing basic sentence structures, vocabulary, and grammar. Through listening, speaking, reading, and writing, you'll communicate in everyday situations, discussing topics like greetings, family, personality traits, money management, transportation, weather, food, and the arts.

## German 2 – ONL

**Grade Level:** 9-12

**Terms:** 2

**Prerequisites:** German 1



**Description:** In German 2A and 2B, you'll expand your German language skills while exploring topics like school life, relationships, personal routines, and dining etiquette. You'll also discuss professions, career plans, travel, nature, hobbies, and health, using more advanced vocabulary and grammar to communicate effectively in everyday situations. Through listening, speaking, reading, and writing, you'll build on what you learned in German 1, gaining deeper insight into the diverse cultures of the German-speaking world.

## Spanish 1 - ONL

**Grade Level:** 9-12

**Terms:** 2

**Prerequisites:** None



**Description:** In Spanish 1A and 1B, you'll explore the vast and diverse Spanish-speaking world, from Spain to regions across North, Central, and South America. You'll start with basic sentence structures, vocabulary, and grammar, practicing listening, speaking, reading, and writing to discuss topics like greetings, family, money management, transportation, weather, food, art, and health. Each unit introduces regions visited by central characters, offering cultural insights that deepen your understanding of the language. This foundation will support your continued Spanish studies.

## Spanish 2 - ONL

**Grade Level:** 9-12

**Terms:** 2

**Prerequisites:** Spanish 1



**Description:** In Spanish 2A and 2B, you'll deepen your Spanish language skills while discussing topics like school life, personal routines, relationships, and dining etiquette. You'll also explore professions, career plans, travel, nature, hobbies, and health, expanding your vocabulary and grammar to communicate effectively in everyday situations. Through listening, speaking, reading, and writing, you'll build on what you learned in Spanish 1, gaining a deeper understanding of the diverse cultures within the Spanish-speaking world.

## Spanish 3 – ONL

Grade Level: 11-12

Terms: 2

Prerequisites: Spanish 2



**Description:** In Spanish 3A and 3B, you'll build on your language skills to explore more complex topics like childhood memories, university life, environmental and social issues, and current events. You'll also examine multiculturalism, bilingualism, legends, folklore, and the influence of geography on culture. By discussing art, literature, media, and the history and culture of countries like Venezuela, Argentina, and Costa Rica, you'll gain deeper cultural awareness while expanding your vocabulary and grammar. Through listening, speaking, reading, and writing, you'll strengthen your ability to express opinions, analyze issues, and communicate effectively in diverse contexts.

# Wright Technical Center

## CAREER & TECHNICAL EDUCATION PROGRAMS

Grade: 11-12

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

### Automotive Technology

**Grade Level:** 11-12

**Terms:** 3

**Prerequisites:** None



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

The first year class does not include engine or transmission work. You will be trained in the following four areas: Brakes; Steering and suspension; Basic electricity and electronics; and Maintenance & light repair.

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

#### College Credit Opportunities & Professional Certifications:

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

### Construction Technology

**Grade Level:** 11-12

**Terms:** 3

**Prerequisites:** None



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

You'll learn: Construction terminology; Tool identification, safety and use; Blueprint reading, layout and framing; Exterior sheathing, roofing, siding, window and door installation; Interior finishing: insulating, drywall and taping, painting; Concrete and masonry; Wood manufacturing and cabinetry; and Commercial construction.

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

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

## Cosmetology Careers

**Grade Level:** 11-12

**Terms:** 3

**Prerequisites:** None



**Description:** The Cosmetology Careers course introduces students to the science and theory of Cosmetology and the practical skills of the professional beauty industry. As a cosmetology student, you will study the basic laws & rules of Minnesota Cosmetology, study and practice hands-on skills while in a student clinic environment. You will also explore the various career opportunities available in the Cosmetology field. There is a required non-refundable fee of \$55 (subject to change) for the purchase of your own student kit.

Students will focus on: Cosmetology theory; MN State Cosmetology laws & rules; Infection control and safety; Nail care, manicures and nail art; Scalp/Hair care, draping, shampooing, and conditioning treatments; Hair structure and design, shaping (basic cutting); Hair color theory, practical skills of foiling, and basic color techniques; Chemical texture theory and practical skills (perm); Skin care and basic practical gentle cleansing facials; Salon business unit; and Human Relations and Professional Development.

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

## Creating Entrepreneurial Opportunities (CEO)

\*Offered Mornings only – 7:30-8:50 am

**Grade Level:** 11-12

**Terms:** 3

**Prerequisites:** None



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

*Students must apply for acceptance into this program as class size is limited to 20 students. Applications are available by emailing [mark.lee@wrighttech.org](mailto:mark.lee@wrighttech.org) or in your high school counseling office.*

## Early Childhood & Elementary Careers

**Grade Level:** 11-12

**Terms:** 3

**Prerequisites:** None



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

Throughout the course, you will: Work hands-on with preschool children; Study child development; Learn classroom behavior management techniques; Create hands-on learning projects and activities; Experience caring for an electronic baby; and Intern in elementary schools, preschools, or day care center.

### Child Development Associate (CDA) National

**Certification Opportunity:** Motivated students have the opportunity to work on attaining a CDA certification under the guidance of the ECEC & Youth Apprenticeship Instructors.

**College Credit Opportunities:** College credits can 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, and St. Paul College.

## Graphic Communications

**Grade Level:** 11-12

**Terms:** 3

**Prerequisites:** None



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

You will learn: Electronic Publishing; Adobe Photoshop & Illustrator; Adobe In-Design; Package Design; Vinyl Sign and Apparel Design; Screen Printing; and Digital Portfolio.

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

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

## Heavy Equipment Operations & Maintenance

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

**Grade Level:** 11-12

**Terms:** 3

**Prerequisites:** None



**Description:** This hybrid course introduces students to the Heavy Equipment Operations and Maintenance industry. Coursework combines online learning with hands-on activities, heavy equipment simulators, industry tours, and career speakers. Students interested in this program should be prepared to follow all safety rules and guidelines, enjoy working with machines, and be curious about how things function. This hands-on course is ideal for learners who like solving problems, using tools, and paying close attention to detail.

Area of study include: Construction exploration; Basic grade & construction math; Basic construction

& equipment fundamentals; and Basic Maintenance of mobile equipment.

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

## Health Science Technology & Nursing Assistant

**Grade Level:** 11-12

**Terms:** 3

**Prerequisites:** None



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

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

This year long program teaches you: The variety of medical career options; Medical terminology & abbreviations; Anatomy & physiology; Nursing Assistant Training (NAR); Leadership skills by participating in a professional student organization (HOSA); Job-seeking skills; and CPR and First Aid for the Healthcare provider.

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

## Law Enforcement & Investigations

**Grade Level:** 11-12

**Terms:** 3

**Prerequisites:** None



**Description:** In the Law Enforcement and Investigations 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. Guest speakers, discussions, demonstrations, lectures, role-playing and practical exercises are just some of the activities that will allow you to better understand the various training procedures used by law enforcement and emergency medical responder professionals.

Areas of study include: Crime scene investigation; Criminal justice: policing, courts & corrections; Patrol procedures & tactics; Squad car familiarization; Ethics; High and low risk traffic stop techniques; Radio communication; Fingerprinting & booking; Laser shot/situational judgment scenarios; Criminal & traffic statutes; Obtaining information & intelligence; Computerized firing range; Defensive tactics; Evidence procedures; Criminal investigations; Specialized investigative techniques; Interview & interrogation; Types of investigations; and Effective report writing.

**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, Hennepin Technical College, Normandale Community College, and Rochester Technical and Community College.

## Welding Technology

**Grade Level:** 11-12

**Terms:** 3

**Prerequisites:** None



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

This course will teach you: Welding safety and equipment use; SMAW, GMAW, FCAW-G, GTAW,

OAW; Oxyacetylene welding; Blue-print reading; and CNC plasma cutting.

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

**College Credit Opportunities:** College credits can also be earned if you maintain a "B" or above grade in the course. Credits are available from the following schools: Anoka Technical College, Ridgewater College, Rochester Community and Technical College, Minnesota West Community and Technical College, South Central College, and Hennepin Technical College.

## Youth Apprenticeship (YA)

*\*Fifth Block Only*

**Grade Level:** 11-12

**Terms:** 3

**Prerequisites:** None



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

Students interested in an apprenticeship, please complete a survey at:  
[www.tinyURL.com/apprenticeshipinterest](http://www.tinyURL.com/apprenticeshipinterest)

### **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
- Students who are in sports, are not recommended to take this course