



2022-2023 COURSE REGISTRATION CATALOG

Registration Information for Students Entering Grades 9 - 12



BHS Course Registration Catalog is DIGITAL!

Students, parents, and staff will have easy access to view all BHS courses using the digital catalog.

This change will support our environment, save time and money, is sustainable, and provides instant access using technology from anywhere to find information!



Currently, you can find our catalog on the BHS website in PDF form in the following locations:

Student Connect or

Student Success Center and then click on Academic Support



Visit us: <http://brainerdhs.ss12.sharpschool.com/>



Like us: [@bhswarriors](#)



Brainerd High School

Brainerd Public Schools

702 S 5th St, Brainerd, 56401 218.454.6200 218.454.6325 Fax

DIRECTORY

Principal, Andrea Rusk	218-454-6290
Activities Director, Jack Freeman	218-454-6301
Activities Office, Michelle Hilborn	218-454-6300
Assistant Principals,	
Nate Merseth (*Gr 10-12, A-K)	218-454-6203
Craig Kotsmith (*Gr 10-12, L-Z)	218-454-6202
Dean of Students, Josh Fordyce (*Gr 9)	218-454-5371
Licensed School Counselors,	
Allan Balsley (*A - G)	218-454-6320
Jeff Howard (*O - Z)	218-454-6321
Shelly Streed (*H - N)	218-454-6322
Career & College Consultant, Amy Sjoblad	218-454-5323
Registrar, MaryLou Smith	218-454-6206
Special Education Coordinator, Jolene Parks	218-454-6263
Student Success Center, Claire Minor	218-454-6330
Student Success Center, Michelle Cabrera	218-454-6298
Technology Integrationist & Online School Coordinator,	
Christina Lundgren	218-454-6261
General Information	218-454-6200

* Serving student's last name or grade



STUDENT SUCCESS CENTER



TABLE OF CONTENTS

GENERAL INFORMATION

Grading Policy	2
Academic Recognition	2
MN Graduation Rule	2
School Day Schedule	2
BHS Graduation Requirements	2

REGISTRATION INFORMATION

Don't Forget	3
Commonly Asked Questions	3
Grade 9 Required and Elective Courses	3

CAREER FIELDS, CLUSTERS, AND PATHWAYS

Foundation Knowledge and Skills	4
Career Fields	4
Career Clusters	4
Career Wheel	5

COURSE OFFERINGS

Course Synopsis	6-7
Agricultural Science	8-9
Applied Technology and Aviation	10-12
Business Education	12-14
Engineering Education	14-15
English Education	15-18
Family and Consumer Science	18-19
Mathematics Education	20-22
Music Education	22-24
Physical Education and Health Education	25-27
Science Education	27-29
Social Studies Education	30-31
Visual Arts Education	32-34
World Language	35-36
Additional Programs	36-37
By Academic Placement Only	38-42

COLLEGE AND CAREER READINESS

Advanced Standing Articulated Credit	43
Advanced Placement (AP)	43
Blended Learning Courses	44
Brainerd Online School Courses (BOS)	44
Bridges Career Academies	45
College in the Schools (CIS)	46
National Collegiate Athletic Association (NCAA)	46
Post-Secondary Enrollment Option (PSEO)	46

GET INVOLVED

Activities, Athletics, Clubs and Organizations	47-50
--	-------

GLOSSARY AND APPENDIX

Terms and Acronyms	51-52
Credit Requirements Check Sheet	53
Sample Registration Forms	54-57

GENERAL INFORMATION

GRADING POLICY

Percent	Letter	GPA	Weighted GPA
93 and above	A	4.0	5.0
90.0-92.99	A-	3.7	4.7
87.0-89.99	B+	3.3	4.3
83.0-86.99	B	3.0	4.0
80.0-82.99	B-	2.7	3.7
77.0-79.99	C+	2.3	3.3
73.0-76.99	C	2.0	3.0
70.0-72.99	C-	1.7	2.7
67.0-69.99	D+	1.3	
63.0-66.99	D	1.0	
60.0-62.99	D-	0.7	
Under 60	F	0.0	

ACADEMIC RECOGNITION CRITERIA

Honor Graduate w/Distinction	3.80 GPA
National Honor Society (eligibility)	3.50 GPA
Fine Arts Scholar	3.50 GPA
Scholar Athlete	3.50 GPA
Honor Graduate	3.25 GPA

MINNESOTA GRADUATION RULE INFORMATION

The Minnesota Graduation Rule requires credits, courses, and participation in state approved assessments. The credit and course requirements are included in the 44 credits required for graduation.

SCHOOL DAY SCHEDULE

Brainerd High School has a 7 period-modified block schedule. The intervention/enrichment time is called "WIN" and stands for "What I Need." WIN time can be for academic support, structured study, or participation in enrichment activities.

2021-2022 BHS Weekly Bell Schedule

Monday	Tuesday	Wednesday	Thursday	Friday
1 8:10-9:00	1 8:10-9:00	2 8:20-9:50	1 8:20-9:50	1 8:10-9:00
2 9:05-9:55	2 9:05-9:55	Morning Break (5+5)	Morning Break (5+5)	2 9:05-9:55
Morning Break (5+5)	Morning Break (5+5)	4 10:00-11:30	3 10:00-11:30	Morning Break (5+5)
3 10:05-10:55	3 10:05-10:55	5 / L 11:35-12:50 <small>(SA - L 11:35-12:00 / Cts 12:05-12:50) (SB - Cts 11:35-12:20 / L 12:25-12:50)</small>	5 / L 11:35-12:50 <small>(SA - L 11:35-12:00 / Cts 12:05-12:50) (SB - Cts 11:35-12:20 / L 12:25-12:50)</small>	3 10:05-10:55
4 11:00-11:50	4 11:00-11:50	WIN 12:55-1:35	WIN 12:55-1:35	4 11:00-11:50
5 / L 11:55-1:20 <small>(SA - L 11:55-12:25 / Cts 12:30-1:20) (SB - Cts 11:55-12:45 / L 12:50-1:20)</small>	5 / L 11:55-1:20 <small>(SA - L 11:55-12:25 / Cts 12:30-1:20) (SB - Cts 11:55-12:45 / L 12:50-1:20)</small>	6 1:40-3:10	7 1:40-3:10	5 / L 11:55-1:20 <small>(SA - L 11:55-12:25 / Cts 12:30-1:20) (SB - Cts 11:55-12:45 / L 12:50-1:20)</small>
6 1:25-2:15	6 1:25-2:15			6 1:25-2:15
7 2:20-3:10	7 2:20-3:10			7 2:20-3:10

BHS GRADUATION REQUIREMENTS

CREDIT REQUIREMENTS: 44 CREDITS MINIMUM

Credits for graduation must include the requirements listed below:

Art	2 credits
English	8 credits
Math	6 credits
Science	6 credits
Social Studies	7 credits
PE/Health	2 credits
Electives	13 credits

Note: Please review the registration forms in the back of this catalog for specific course requirements.

ART REQUIREMENT COURSE OPTIONS

2 credits required any time during grades 9-12:

Applied Tech

CAD I
CAD II
Woodworking I
Woodworking II
Woodworking III

Engineering

CIS Intro to Engineering I
CIS Intro to Engineering II
CIS Principles of Engineering I
CIS Principles of Engineering II

FACS

Interior Design

Music

All Music Courses

Visual Arts

All Visual Arts Courses

RIGOROUS COURSE WAIVER

Current law provides authority for local school boards to grant a rigorous course of study waiver (Minn. Stat. § 120B.021, Subd. 1(a)). Local school boards may grant a rigorous course of study waiver for a student who satisfactorily completes a rigorous course that meets or exceeds the corresponding academic standards required by law for high school graduation in Minnesota, and who would be precluded from participating in the rigorous course if the student were not waived from taking the required academic standard.

GRADUATION CEREMONY

Student participation in the graduation ceremony is a privilege, not a right.

- Students who have completed the requirements for graduation by the last day of school will be allowed to participate in commencement.
- Participation may be denied for appropriate reasons, which may include discipline.
- Graduation exercises are under the control and direction of building administration.
- Students are not allowed to participate in commencement if they quit attending any scheduled courses or will not have completed the required credits to graduate by the last day of school.

REGISTRATION INFORMATION

DON'T FORGET

- Students need to review their choices carefully as the completed registration form is a “contract.” The registration choices will be used to plan the master schedule and staffing for the upcoming school year.
- Alternate choices are extremely important! If alternate courses are not listed, office staff will choose your alternate to complete your schedule. Please list 4 alternate courses.
- Students should review the Online BHS Course Registration Catalog with their parent/guardian to discuss courses and selections with them.
- Parents/guardians and 8th grade students are invited to attend an informational meeting in February.
- Grade 8 students will register online during their Social Studies class or with their case manager.
- Grade 9-11 students will register at their convenience during a 2-week window of open registration starting the end of February.
- Students taking a supplemental high school course through an approved online learning provider are required to attend a structured Study Center to work on their online assignments.

COMMONLY ASKED QUESTIONS

What if I failed a course? See your counselor or IEP case manager to determine if you are in need of summer school or the credit recovery program.

Can I request my teachers? No, School Board policy states that students/parents are not allowed to request specific teachers.

Which math course should I take next year? The Mathematics Education section of this catalog has an excellent flow chart that will help you make a good decision. Also, ask your math teacher for advice.

Should I take math or science my senior year, even though I have met the requirement for graduation? We strongly encourage you to take four years of math and science to prepare for college.

Will an agricultural course fulfill my science elective requirement? Many agriculture courses can count as a science elective. Go to the Agricultural Science section of this catalog to see which courses qualify.

Do I need world language for college? Check with the college of your choice regarding admission requirements for a world language.

GRADE 9 REQUIRED AND ELECTIVE COURSES

Required Courses:

- Two required credits in English, mathematics, and science
- One required credit in Health, Wellness, and Fitness and Geography or AP Geography (AP Geography is a yearlong class)

Elective Courses:

- Six credits from the following lists of semester and yearlong electives.

SINGLE SEMESTER ELECTIVES

Course Number	Course Name	Page
181400	Intro to Animal Science	8
181401	Intro to Plant Science	8
181402	Equine Science	8
181300	Intro to CAD and Construction	10
181301	Intro to Metals and Motors	10
131100	Intro to Business/Personal Finance	12
131102	Business Cooperative Work Seminar	12
131101	Computer Applications	12
181121	Creative Foods	18
181100	Exploring Foods	18
181120	International Foods	18
121208	Acoustic Guitar	24
151101	Sports and Fitness I	25
151103	Strength and Conditioning I	25
151106	Strength & Conditioning for Females	25
121500	Intro to Visual Arts	32
121501	Video Game Design I	33
123501	Video Game Design I - Blended	33
125501	Video Game Design I - Online	33
121503	Video Production I	33
121502	Video Game Design II	34
101900	Department Assistant A	37
101901	Department Assistant B	37
101100	Study Center A	37
101101	Study Center B	37

YEARLONG ELECTIVES

181200 & 181201	CIS Intro to Engineering Design A & B	14
181202 & 181203	CIS Principles of Engineering A & B	14
121100 & 121101	Varsity Band A & B	22
121102 & 121103	Varsity Band Combo A & B	22
121300 & 121301	Varsity Choir A & B	23
121302 & 121303	Varsity Choir Combo A & B	23
121200 & 121201	Varsity Orchestra A & B	24
121202 & 121203	Varsity Orchestra Combo A & B	24
121204 & 121205	Sinfonia Orchestra A & B	24
121206 & 121207	Chamber Orchestra A & B	24
121504 & 121505	Yearbook A & B	34
131512 & 131513	Am Sign Language I A & B	35
135512 & 133553	Am Sign Language I A & B - Online	35
131510 & 131511	Spanish I A & B	36

Also, see by Academic Placement Only section (for students that qualify) 33-42



MINNESOTA CAREER FIELDS AND CLUSTERS BHS PATHWAYS TO YOUR FUTURE

Brainerd High School has aligned their courses into pathways by using the Career Fields, Clusters and Pathways chart. (see next page) Students are encouraged to use the chart to follow their interests when choosing courses that lead to a career field.

FOUNDATION KNOWLEDGE AND SKILLS

Foundation Knowledge and Skills, located in the centermost circle of the Career Fields, Clusters and Pathways chart, represent the base from which to build work and college readiness.

CAREER FIELDS

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

- **Agriculture, Food, and Natural Resources**
- **Arts, Communications, and Information Systems**
- **Engineering, Manufacturing, and Technology**
- **Health Science Technology**
- **Human Services**
- **Business, Management, and Administration**

CAREER CLUSTERS

Career Clusters, which are identified by bullets and are bold colored, represent a grouping of occupations and broad industries. Career clusters include hundreds of occupations that may be grouped into pathways around which educational programs of study can be built.

- **Agriculture, Food, and Natural Resources**
- **Arts, Audio/Video Technology and Communications**
- **Information Technology**
- **Architecture and Construction**
- **Manufacturing**
- **Science, Technology, Engineering, and Mathematics**
- **Transportation, Distribution, Logistics**
- **Health Science**
- **Law, Public Safety, Corrections, and Security**
- **Education and Training**
- **Government and Public Administration**
- **Human Services**
- **Hospitality and Tourism**
- **Business, Management, and Administration**
- **Finance**



Business, Management & Administration

- Intro to Business/Personal Finance
- Computer Applications
- Business Cooperative Work Seminar
- Business Cooperative Work Experience
- CIS Intro to Business
- Entrepreneurship
- Vocational Skills
- Work Seminar
- Service Learning
- Work Based Learning
- PAES Lab

Marketing

- Sports/Entertainment Marketing

Hospitality

- Exploring Foods
- International Foods
- Creative Foods
- Culinary Arts I & II

Finance

- CIS Accounting I

Agriculture, Food & Natural Resources

- Intro to Animal Science
- Intro to Plant Science
- Equine Science
- Small Animal Science I
- Animal Science I & II
- Horticulture Science
- Greenhouse Production
- Ag Leadership
- Ag Work Experience Internship
- Natural Resource Science
- Research in Agriculture
- Environmental Science
- CIS Environmental Science
- Wildlife Forensics
- Fundamentals of Agri-Science
- Agri-Science

Arts - Visual

- Intro to Visual Arts
- Drawing
- Artist's Books I & II
- Art Portfolio
- Decoy Design I & II
- Painting
- Pottery I & II
- Interior Design

Arts - Performing

- AP Music Theory
- World Drama and Theatre Arts
- Music Education; Band, Choir & Orchestra

Audio/Video Technology

- Graphic Design
- Digital Photography
- Video Production I, II & III

Communication

- Creative Writing
- CIS Intro to Communications/Speech
- Digital Media Literacy
- Journalism
- Yearbook
- Interpersonal Communication

Communication – World Language

- American Sign Language I & II
- Spanish, I, II, CIS III, IV, & AP

Information Technology

- Video Game Design I & II & III



Human Services

- Child Development
- Living on Your Own
- Psychology & AP
- Sociology
- Student Mentor

Education & Training

- Cooperative Work Experience
- Cooperative Work Seminar
- Depart Assistant Opportunities

Law, Public Safety, Corrections & Security

- Criminal Justice

Government & Public Administration

- AP American Government & AP Economics

Health Science Technology

- Health Wellness & Fitness
- Human Biology & CIS Human Biology
- CIS Medical Terminology
- Physical Education

Science, Technology, Engineering & Mathematics

- CIS Intro to Engineering Design
- CIS Principles of Engineering
- CIS Biological Engineering
- CIS Chemical Engineering
- CIS Civil Engineering & Architecture

Architecture & Construction

- Intro to CAD & Construction
- CAD I & II
- Construction I
- Woodworking I, II & III
- Construction Trades – Framing & Finishing

Manufacturing

- Intro to Metals & Motors
- Power Mechanics I
- Welding I, II, III & Fabrication

Transportation, Distribution & Logistics

- Aviation – Fundamentals
- Aviation – Private Pilot Ground School

COURSE OFFERINGS

Course Number	Course Name	Grade Level
AGRICULTURE SCIENCE		
181400	INTRODUCTION TO ANIMAL SCIENCE	9, 10, 11, 12
181401	INTRODUCTION TO PLANT SCIENCE	9, 10, 11, 12
181402	*EQUINE SCIENCE	9, 10, 11, 12
181410	*SMALL ANIMAL SCIENCE I	10, 11, 12
181412	*ANIMAL SCIENCE I	10, 11, 12
181413	*ANIMAL SCIENCE II	10, 11, 12
181414	HORTICULTURE SCIENCE	10, 11, 12
181420	*GREENHOUSE PRODUCTION	10, 11, 12
181421	*NATURAL RESOURCE SCIENCE	10, 11, 12
181422	*RESEARCH IN AGRICULTURE	11, 12
181423	AG LEADERSHIP	11, 12
181424	AG WORK EXPERIENCE INTERNSHIP	11, 12
	*meets a Science Elective Credit	
APPLIED TECHNOLOGY		
181300	INTRO TO CAD & CONSTRUCTION (C & C)	9, 10, 11, 12
181301	INTRO TO METALS & MOTORS (M & M)	9, 10, 11, 12
181310	WELDING I	10, 11, 12
181311	WELDING II	10, 11, 12
181312	CAD I	10, 11, 12
181313	CAD II	10, 11, 12
181314	WOODWORKING I	10, 11, 12
181315	WOODWORKING II	10, 11, 12
181316	CONSTRUCTION I	10, 11, 12
181317	POWER MECHANICS I	10, 11, 12
181320	WELDING III & FABRICATION	11, 12
181321	WOODWORKING III	11, 12
181322	CONSTRUCTION TRADES - FRAMING	11, 12
181323	CONSTRUCTION TRADES - FINISHING	11, 12
181324	AVIATION - FUNDAMENTALS	11, 12
181325	AVIATION - PRIV PILOT GROUND SCHOOL	11, 12
BUSINESS EDUCATION		
131100	INTRO TO BUSINESS/PERSONAL FINANCE	9, 10, 11, 12
131101	COMPUTER APPLICATIONS	9, 10, 11, 12
131102	BUSINESS COOPERATIVE WORK SEMINAR	9, 10, 11, 12
131103	BUSINESS COOPERATIVE WORK EXPERIENCE	10, 11, 12
131201	SPORTS/ENTERTAINMENT MARKETING	10, 11, 12
131202	ENTREPRENEURSHIP	11, 12
131300	CIS ACCOUNTING I	11, 12
131301	CIS INTRO TO BUSINESS	11, 12
133301	CIS INTRO TO BUSINESS – BLENDED	11, 12
133001	CIS ACCOUNTING I - BLENDED	11, 12
135300	CIS ACCOUNTING I - ONLINE	11, 12
ENGINEERING EDUCATION		
181200 & 181201	CIS INTRO TO ENGINEERING DESIGN A & B	9, 10, 11, 12
181202 & 181203	CIS PRINCIPLES OF ENGINEERING A & B	10, 11, 12
181204 & 181205	CIS CIVIL ENG & ARCHITECTURE A & B	10, 11, 12
161206	CIS BIOLOGICAL ENGINEERING	10, 11, 12
161208	CIS CHEMICAL ENGINEERING	10, 11, 12
ENGLISH EDUCATION		
111100 & 111101	ENGLISH 9 A & B	9
111102 & 111103	ENGLISH 9 INTENSIVE A & B	9
111200 & 111201	ENGLISH 10 A & B	10
111202 & 111203	ENGLISH 10 INTENSIVE A & B	10
111300 & 111301	ENGLISH 11 A & B	11
115400	ENGLISH 12 - ONLINE	12
111320	INTRO TO HUMANITIES	11, 12
111321	CREATIVE WRITING	11, 12
111322	NOVELS	11, 12
111323	CIS INTRO TO COMMUNICATION/SPEECH	11, 12
111324 & 111325	AP ENG LANGUAGE & COMPOSITION A & B	11, 12
111326 & 111327	AP SEMINAR LANG & COMPOSITION A & B	11, 12
111328	DIGITAL MEDIA LITERACY	11, 12
115328	DIGITAL MEDIA LITERACY – ONLINE	11, 12
111329	JOURNALISM	11, 12
115331	INTERPERSONAL COMMUNICATIONS – ONLINE	11, 12

111330	WORLD DRAMA & THEATRE ARTS	11, 12
111400	ENGLISH 12	12
111403 & 111404	AP ENG LITERATURE & COMPOSITION A & B	12
111405 & 111406	AP RESEARCH A & B	12

FAMILY AND CONSUMER SCIENCES (FACS)

181100	EXPLORING FOODS	9, 10, 11, 12
181120	INTERNATIONAL FOODS	9, 10, 11, 12
181121	CREATIVE FOODS	9, 10, 11, 12
181122	CHILD DEVELOPMENT	10, 11, 12
181123	INTERIOR DESIGN	10, 11, 12
181130	LIVING ON YOUR OWN	11, 12
181131	CULINARY ARTS I	10, 11, 12
181132	CULINARY ARTS II	10, 11, 12

MATHEMATICS EDUCATION

141100 & 141101	INTERMEDIATE ALGEBRA A & B	9, 10
141200 & 141201	GEOMETRY INTENSIVE A & B	9
141108 & 141109	GEOMETRY A & B	10, 11
141202 & 141203	ADVANCED ALGEBRA A & B	10, 11, 12
145202 & 145203	ADVANCED ALGEBRA A & B – ONLINE	10, 11, 12
141204 & 141205	ADVANCED ALGEBRA INTENSIVE A & B	10, 11
141302 & 141303	ADVANCED MATH TOPICS	11, 12
141304	CIS INTRO TO COLLEGE ALGEBRA	11, 12
141305	CIS COLLEGE ALGEBRA	11, 12
141306	PRE-CALCULUS I	11, 12
141307	CIS PRE-CALCULUS II	11, 12
141308 & 141309	AP CALCULUS A & B	11, 12
141310 & 141311	AP STATISTICS A & B	11, 12
143302 & 143303	ADVANCED MATH TOPICS – BLENDED	11, 12
143304	CIS INTRO TO COLLEGE ALGEBRA - BLENDED	11, 12
143305	CIS COLLEGE ALGEBRA - BLENDED	11, 12
145310 & 145311	AP STATISTICS A & B - ONLINE	11, 12

MUSIC EDUCATION

121100 & 121101	VARSITY BAND A & B	9
121102 & 121103	VARSITY BAND COMBO A & B	9
121104 & 121105	CONCERT BAND A & B	10, 11, 12
121106 & 121107	SYMPHONIC BAND A & B	10, 11, 12
121108 & 121109	WIND SYMPHONY A & B	10, 11, 12
121112 & 121113	JAZZ ENSEMBLE A & B	10, 11, 12
121200 & 121201	VARSITY ORCHESTRA A & B	9, 10, 11, 12
121202 & 121203	VARSITY ORCHESTRA COMBO A & B	9
121204 & 121205	SINFONIA ORCHESTRA A & B	9, 10, 11, 12
121206 & 121207	CHAMBER ORCHESTRA A & B	9, 10, 11, 12
121208	ACOUSTIC GUITAR	9, 10, 11, 12
121209	ACOUSTIC GUITAR ENSEMBLE	10, 11, 12
121300 & 121301	VARSITY CHOIR A & B	9
121302 & 121303	VARSITY CHOIR COMBO A & B	9
121304 & 121305	CONCERT CHORALE A & B	10, 11, 12
121306 & 121307	BARDS A & B	10, 11, 12
121308 & 121309	WINDFALL A & B	10, 11, 12
121310 & 121311	A CAPPELLA CHOIR A & B	11, 12
121312 & 121313	CANTABILE CHOIR A & B	11, 12
121400 & 121401	AP MUSIC THEORY A & B	11, 12

PHYSICAL EDUCATION AND HEALTH EDUCATION

151100	HEALTH, WELLNESS & FITNESS	9, 10, 11, 12
151101	SPORTS & FITNESS I	9, 10, 11, 12
151102	SPORTS & FITNESS II	10, 11, 12
151103	STRENGTH & CONDITIONING I	9, 10, 11, 12
151104	STRENGTH & CONDITIONING II	10, 11, 12
151105	STRENGTH & CONDITIONING III	10, 11, 12
151106	STRENGTH & CONDITIONING FOR FEMALES I	9, 10, 11, 12
151108	AQUATIC SPORTS & FITNESS	10, 11, 12
151109	LIFETIME FITNESS	10, 11, 12
151200	FITNESS TRIATHLON	11, 12
151201	ADVENTURE & CHALLENGE	11, 12
151202	YOGA I	11, 12
155100	HEALTH, WELLNESS & FITNESS - ONLINE	9, 10, 11, 12
152104 & 152105	UNIFIED PHYSICAL EDUCATION A & B	9, 10, 11, 12
161304 & 161305	HUMAN BIOLOGY A & CIS HUMAN BIOLOGY B	11, 12
161314	CIS MEDICAL TERMINOLOGY INDEPENDENT	11, 12

SCIENCE EDUCATION

161100 & 161101	PHYSICAL SCIENCE A & B	9
161102 & 161103	BIOLOGY INTENSIVE A & B	9
161200 & 161201	BIOLOGY A & B	10, 11, 12
161202 & 161203	CHEMISTRY A & B	10, 11, 12
161204 & 161205	AP BIOLOGY A & B	10, 11, 12
161206	CIS BIOLOGICAL ENGINEERING	10, 11, 12
161208	CIS CHEMICAL ENGINEERING	10, 11, 12
161300	INTRO TO ENVIRONMENTAL SCIENCE	11, 12
161301	ENVIRONMENTAL SCIENCE	11, 12
161302	CIS ENVIRONMENTAL SCIENCE	11, 12
161304 & 161305	HUMAN BIOLOGY A & CIS HUMAN BIOLOGY B	11, 12
161306 & 161307	PHYSICS A & B	11, 12
165306 & 165307	PHYSICS A & B – ONLINE	11, 12
161308	WILDLIFE FORENSICS	11, 12
161309 & 161310	AP CHEMISTRY A & B	11, 12
161311 & 161312	AP/CIS PHYSICS A & B	11, 12
165202 & 165203	CHEMISTRY A & B - ONLINE	10, 11, 12

SOCIAL STUDIES EDUCATION

171100	WORLD GEOGRAPHY	9
171101 & 171102	AP HUMAN GEOGRAPHY A & B	9
171200 & 171201	WORLD HISTORY A & B	10
171202 & 171203	AP WORLD HISTORY: MODERN A & B	10
171206	CRIMINAL JUSTICE	10, 11, 12
171207	PSYCHOLOGY	10, 11, 12
171208	SOCIOLOGY	10, 11, 12
171300 & 171301	AMERICAN HISTORY A & B	11
171302 & 171303	AP US HISTORY A & B	11
171304	AP AMERICAN GOVERNMENT	11, 12
171305	AP PSYCHOLOGY	11, 12
171400	AMERICAN GOVERNMENT	12
171401	ECONOMICS	12
173300 & 173301	AMERICAN HISTORY A & B - BLENDED	11
175200 & 175201	WORLD HISTORY A & B - ONLINE	10
175300 & 175301	AMERICAN HISTORY A & B - ONLINE	11
175400	AMERICAN GOVERNMENT - ONLINE	12
175401	ECONOMICS - ONLINE	12

VISUAL ARTS EDUCATION

121500	INTRO TO VISUAL ARTS	9, 10, 11, 12
121501	VIDEO GAME DESIGN I	9, 10, 11, 12
121502	VIDEO GAME DESIGN II	9, 10, 11, 12
121506	VIDEO GAME DESIGN III	10, 11, 12
121503	VIDEO PRODUCTION I	9, 10, 11, 12
121504 & 121505	YEARBOOK A & B	9, 10, 11, 12
121520	ARTIST'S BOOKS I	10, 11, 12
121521	ARTIST'S BOOKS II	10, 11, 12
121522	DRAWING	10, 11, 12
121524	DECOY DESIGN I	10, 11, 12
121525	DECOY DESIGN II	10, 11, 12
121526	PAINTING	10, 11, 12
121528	POTTERY I	10, 11, 12
121529	POTTERY II	10, 11, 12
121530	DIGITAL PHOTOGRAPHY	10, 11, 12
121531	GRAPHIC DESIGN	10, 11, 12
121532	ART PORTFOLIO	10, 11, 12
121533	VIDEO PRODUCTION II	10, 11, 12
121534	VIDEO PRODUCTION III	10, 11, 12
123501	VIDEO GAME DESIGN I - BLENDED	9, 10, 11, 12
125501	VIDEO GAME DESIGN I - ONLINE	9, 10, 11, 12

WORLD LANGUAGE EDUCATION

131510 & 131511	SPANISH I A & B	9, 10, 11, 12
131512 & 131513	AMERICAN SIGN LANGUAGE I A & B	9, 10, 11, 12
135512 & 135513	AMERICAN SIGN LANGUAGE I A & B - ONLINE	9, 10, 11, 12
131520 & 131521	SPANISH II A & B	10, 11, 12
131522 & 131523	AMERICAN SIGN LANGUAGE II A & B	10, 11, 12
135522 & 135523	AMERICAN SIGN LANGUAGE II A & B - ONLINE	10, 11, 12
131530 & 131531	SPANISH III A & CIS SPANISH III B	11, 12
131540 & 131541	SPANISH IV A & B	12
131542 & 131543	AP SPANISH A & B	12

ADDITIONAL PROGRAMS AND COURSES

490002	INTRODUCTION TO EDUCATION	11, 12
101020	AP OPEN HOUR A	10
101021	AP OPEN HOUR B	10
101001	OPEN HOUR 1 A	11, 12
101002	OPEN HOUR 2 A	11, 12
101003	OPEN HOUR 3 A	11, 12
101004	OPEN HOUR 4 A	11, 12
101005	OPEN HOUR 5 A	11, 12
101006	OPEN HOUR 6 A	11, 12
101007	OPEN HOUR 7 A	11, 12
101011	OPEN HOUR 1 B	11, 12
101012	OPEN HOUR 2 B	11, 12
101013	OPEN HOUR 3 B	11, 12
101014	OPEN HOUR 4 B	11, 12
101015	OPEN HOUR 5 B	11, 12
101016	OPEN HOUR 6 B	11, 12
101017	OPEN HOUR 7 B	11, 12
101100	STUDY CENTER A	9, 10, 11, 12
101101	STUDY CENTER B	9, 10, 11, 12
101900	DEPARTMENT ASSISTANT A	9, 10, 11, 12
101901	DEPARTMENT ASSISTANT B	9, 10, 11, 12
192900	STUDENT MENTOR	11, 12
101300	POST SECONDARY ED OPTION (PSEO) FT A	11, 12
101301	POST SECONDARY ED OPTION (PSEO) FT B	11, 12
101302	POST SECONDARY ED OPTION (PSEO) PT A	11, 12
101303	POST SECONDARY ED OPTION (PSEO) PT B	11, 12

BY ACADEMIC PLACEMENT ONLY

101700 & 101701	GROUP SKILLS A & B	9, 10, 11, 12
111104 & 111105	ENGLISH 9 CONCEPTS A & B	9
111302 & 111303	ENGLISH 11 CONCEPTS A & B	11
111401	ENGLISH 12 CONCEPTS	12
112100 & 112101	ENGLISH SKILLS I	9, 10
112102 & 112103	FUNDAMENTALS OF READING A & B	9, 10
112104 & 112105	READING LANGUAGE I A & B	9, 10
112106 & 112107	READING SKILLS A & B	11, 12
111204 & 111205	ENGLISH 10 CONCEPTS A & B	10
112300 & 112301	READING STRATEGIES A & B	11, 12
112302 & 112303	ENGLISH SKILLS II A & B	11, 12
112304 & 111305	READING LANGUAGE II A & B	9, 10, 11, 12
114100 & 114101	SPECIALIZED COURSEWORK A & B: ENGLISH	9, 10, 11, 12
132100 & 132101	WORK-BASED LEARNING A & B	11, 12
132102 & 132103	WORK SEMINAR CLASS A & B	10, 11, 12
141112 & 141113	INTERMEDIATE ALGEBRA RTI A & B	9
141300 & 141301	ADVANCED ALGEBRA CONCEPTS A & B	11, 12
142102 & 142103	TECH MATH II A & B	9, 10, 11, 12
142104 & 142105	TECH MATH III A & B	9, 10, 11, 12
142106 & 142107	TECH MATH IV A & B	9, 10, 11, 12
142108 & 142109	TECH MATH V A & B	9, 10, 11, 12
142110 & 142111	CONSUMER MATH A & B	12
142100 & 142101	TECH MATH I A & B	9, 10, 11, 12
144100 & 144101	SPECIALIZED COURSEWORK A & B: MATH	9, 10, 11, 12
152102 & 152103	DAPE	9, 10, 11, 12
152104 & 152105	UNIFIED PHYSICAL EDUCATION A & B	9, 10, 11, 12
154100 & 154101	SPECIALIZED COURSEWORK A & B: HEALTH	9, 10, 11, 12
164100 & 164101	SPECIALIZED COURSEWORK A & B: SCIENCE	9, 10, 11, 12
174100 & 174101	SPECIALIZED COURSEWORK A & B: SOCIAL ST	9, 10, 11, 12
182100	FUNDAMENTALS OF AGRI-SCIENCE	9, 10
182101	AGRI-SCIENCE	9, 10
192006 & 192007	SOCIAL SKILLS A & B	9, 10, 11, 12
192010 & 192011	POWER HOUR A & B	9, 10, 11, 12
192012 & 192013	PAES LAB A & B	9, 10
192008 & 192009	VOCATIONAL SKILLS A & B	10, 11, 12
192000 & 192001	COMMUNICATION SKILLS A & B	9, 10, 11, 12
192002 & 192003	TRANSITIONAL SKILLS A & B	9, 10, 11, 12
192004 & 192005	BASIC SOCIAL SKILLS A & B	9, 10, 11, 12
192014 & 192015	OCCUPATIONAL SKILLS A & B	9, 10, 11, 12
192017	SERVICE LEARNING	11, 12
192018 & 192019	INDEPENDENT LIVING SKILLS A & B	9, 10, 11, 12
192020 & 192021	PERSONAL DEVELOPMENT A & B	9, 10, 11, 12
192022 & 192023	ACADEMICS A & B	9, 10, 11, 12
192990 & 192991	STRUCTURED STUDY A & B	9, 10, 11, 12

AGRICULTURE SCIENCE

The Agriculture Department welcomes all students with interest in plants, animals, or natural resource regardless of experience. There are courses for students with casual or curious interest to in-depth studies for students pursuing careers or further education in the agriculture world. Classes are experiential whenever possible with the use of indoor and outdoor labs, the greenhouse, and area resources. Therefore, attendance is a critical component to your success. Students who enroll in any agriculture course may join FFA, a co-curricular student leadership organization that promotes personal growth, leadership, and career success.

INTRODUCTORY COURSES

INTRODUCTION TO ANIMAL SCIENCE

Course Number: 181400

Grade Level: 9, 10, 11, 12

Credits: 1

In this course, students will explore all things related to animals in the agricultural world. A variety of animals, ranging from rabbits to horses, from farm livestock to Minnesota wildlife, will be discussed. There will be hands on labs, live animals, in addition, the discussion of products we get from them. As an introductory course, this class is intended to give a broad exposure to the variety within the agriculture world involving animals. This is the recommended starting course for animal related Ag science classes.

INTRODUCTION TO PLANT SCIENCE

Course Number: 181401

Grade Level: 9, 10, 11, 12

Credits: 1

In this course, students will explore all things plant related in the agricultural world. The course will include the study of trees, soils, and water using hands-on based activities and lab experiments in the great outdoors. Students will have the opportunity to grow their own plants in the school greenhouse, study landscaping by creating their own gardens and landscape designs, and create their own personal floral designs and corsages. Students will also cover agribusiness and careers in the agriculture industry. This is the recommended starting course for any other plant related Ag science classes.

EQUINE SCIENCE

Course Number: 181402

Grade Level: 9, 10, 11, 12

Credits: 1, Science elective credit

This course will focus on all aspects of horses. If you own horses or are, considering a career in the horse industry this course is for you. Areas of study will include breeds and types of horses, selection of horses for personal use, practical handling and ground work training, health and diseases, feeding and nutrition. Other topics will include the historical and current uses of horses around the world and the various sectors of the horse industry.

INTERMEDIATE COURSES

ANIMAL SCIENCE I

Course Number: 181412

Grade Level: 10, 11, 12

Credits: 1, Science elective credit

Prerequisite: Introduction to Animal Science or Biology

This course is open to students with an interest in studying food production (farm) animals. We will cover the history of animals and their domestication, animal handling, nutrition, breeds, and management techniques for raising poultry, sheep, goats, pigs, beef and dairy cattle. Students with limited livestock experience should take Intro to Animal Science first. Since it is a classroom study of large animals, there is minimal student contact with animals.



SMALL ANIMAL SCIENCE I

Course Number: 181410

Grade Level: 10, 11, 12

Credits: 1, Science elective credit

Prerequisite: Introduction to Animal Science

Students will explore and practice skills in the area of small animals and veterinary science. This includes hands-on learning about care, breeds, and diseases of small animals such as dogs, cats, birds, fish, rabbits, and other pets. The course will involve guest speakers that will address current issues and careers in the small animal fields.



HORTICULTURE SCIENCE

Course Number: 181414

Grade Level: 10, 11, 12

Credits: 1

Prerequisite: Introduction to Plant Science or Biology

Students will be exposed to an array of topics in Horticulture. With a review of plant science, we will go deeper into other topics involving benefits and uses of plants of all kinds: native, edible wild and therapeutic houseplants. Students will study identification and propagation of ornamental trees, shrubs, fruits, berries and sustainable practices for landscaping, gardening and food self-reliance. Much of the class is experiential in the school greenhouse as well as campus grounds and neighborhood. Therefore, attendance and willingness to engage in hands-on activities is critical for success.

In this course, students will learn propagation, identification, biology, and management of plants. This may include houseplants, bedding plants, home garden, fruits and vegetables. Concepts of floral or landscape design will be included. Careers in horticulture, greenhouse production and landscaping will be explored.

NATURAL RESOURCE SCIENCE

Course Number: 181421

Grade Level: Grades 10, 11, 12

Credits: 1, Science elective credit

Prerequisite: Introduction to Plant Science or Biology

This course teaches students about native plants and wildlife - with emphasis on those from Minnesota. Students will learn to identify birds, insects, mammals, and fish; investigate many facets of forestry and wildlife habitat. Nature is used as the context to learn science principles and to understand our human connection with it. Students can look forward to outdoor lab activities, on and off-campus excursions and experiences. Because of this, good attendance is critical for success in class.



ADVANCED COURSES

AG LEADERSHIP

Course Number: 181423

Grade Level: 11, 12

Credits: 1

Required: Teacher approval

This is an independent study course. This is a combination course of in class and online components for students interested in leadership, communication, and being the best they can be. We will cover such topics as career exploration; resume building, team building, and leadership development. This class will be offered in the Fall.

AG WORK EXPERIENCE INTERNSHIP

Course Number: 181424

Grade Level: 11, 12

Credits: 1

Required: Teacher approval

This course will combine skills learned in other agricultural courses with on the job experience. Students must be employed in an approved cooperative agricultural worksite. Students must log and work a minimum number of hours per week in order to earn work experience credit. Student may receive an open hour and provide own transportation to work. This class will be offered in the Spring.

ANIMAL SCIENCE II

Course Number: 181413

Grade Level: 10, 11, 12

Credits: 1, Science elective credit

Prerequisite: Animal Science I

This course will continue with food production (farm) animals and go deeper into animal nutrition, body systems, reproduction, genetics, health, products from animals, selection, and marketing. Students will have an opportunity to focus on an animal of their choice as a special project. This course will use lab activities that provide more depth in the study of careers in animal science.



GREENHOUSE PRODUCTION

Course Number: 181420

Grade Level: 10, 11, 12

Credits: 1, Science elective credit

Additional Credit Option: Articulated College Credit from CLC

Prerequisite: Introduction to Plant Science or Biology



RESEARCH IN AGRICULTURE

Course Number: 181422

Grade Level: 11, 12

Credits: 1

Prerequisite: Biology

Required: Teacher approval

This course is an independent study course. Students will work on agricultural research topics as decided by the student and instructor.





College credit courses are identified throughout the catalog with the college symbol.

APPLIED TECHNOLOGY

Applied Technology and Engineering Education programs include a wide selection of technical courses. Most of the program areas have advanced level courses, which build on the program's curriculum and allow for in-depth learning. All of these technology courses involve the integration of Science, Technology, Engineering, Math, technical presentation, and language skills. Courses are designed to provide students with the necessary technical knowledge and dexterity skills to prepare for college-level studies in engineering, science and computer-related majors, or to pursue technical career fields in industry, construction or other trades related areas. Applied Technology programs reinforce student learning in critical thinking, problem solving, design, and group dynamic skills.

INTRODUCTORY COURSES

INTRODUCTION TO CAD AND CONSTRUCTION (C and C)

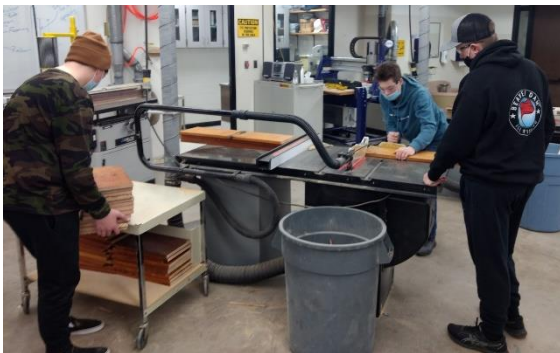
Course Number: 181300

Grade Level: 9, 10, 11, 12

Credits: 1

This course is a "hands-on" introduction to many of the key systems of Applied Technology. Special emphasis is placed on Woodworking and Computer Aided Design. We focus on areas of product design, manufacturing, and construction. It is structured to introduce students to many important processes, materials, tools, and ideas used to produce the things we use every day. Students will work as individuals and in groups to create products using various equipment, tools and machines.

Note: This course is strongly recommended as an introduction and orientation to the other elements of our Applied Technology program.



INTRODUCTION TO METALS AND MOTORS (M and M)

Course Number: 181301

Grade Level: 9, 10, 11, 12

Credits: 1

This course offers an introduction to the topics of welding and small gas engines. Welding is required by a wide variety of industries and welders are in high demand. Students in this course are taught to use manual welding, cutting, and electric arc welding processes to fabricate and weld metal parts. Additionally, this course offers an introductory study of the operation, maintenance, and repair of small gasoline engines. Topics include principles of operation of internal combustion engines, repair and service procedures, and disassembly, overhaul, and reassembly. Students will also receive all safety-related practices and techniques.

INTERMEDIATE COURSES

CAD I

Course Number: 181312

Grade Level: 10, 11, 12

Credits: 1, Fulfills Art Requirement

Recommended: Intro to CAD and Construction

In this course, Computer Aided Drafting (CAD), students will have the opportunity to use the most up to date software that industry uses every day. Both Architectural and Mechanical drafting skills will be gained through drafting on a variety of CAD programs. Imagine being able to walk through a 3-D house, you have designed in course or looking into a part to see its internal components.

CAD II

Course Number: 181313

Grade Level: 10, 11, 12

Credits: 1, Fulfills Art Requirement

Prerequisite: CAD I

This course will be a continuation of CAD I. Fundamentals of design will again be stressed. The students' imagination and creativity will be challenged with individual and various assigned projects. The drafting programs will be utilized for both architectural and mechanical drafting purposes. Tremendous opportunity waits for students with the skills gained in this course for growth outside of high school. Students may repeat this course.

CONSTRUCTION I

Course Number: 181316

Grade Level: 10, 11, 12

Credits: 1

Prerequisite: Intro to CAD and Construction

Get a taste of what it is like to be a part of the Construction Industry. You will learn about and perform many of the same jobs as the skilled craftsmen who build our homes, but on a smaller scale. This is a great course for anybody that wants some experience in many of the areas in the field of Construction.

POWER MECHANICS I

Course Number: 181317

Grade Level: 10, 11, 12

Credits: 1

Additional Credit Option: Articulated College Credit from CLC

Prerequisite: Intro to Metals and Motors

Students will study theory of operation of two stroke and four stroke small gas engines. Students will disassemble, measure and evaluate parts, then properly reassemble small gas engines, using proper techniques and current trade practices. Students will be required to bring in a used engine of their own to disassemble, measure and evaluate parts, and then properly reassemble. The engine must run properly when completed. Students may repeat this course.

WELDING I

Course Number: 181310

Grade Level: 10, 11, 12

Credits: 1

Prerequisite: Intro to Metals and Motors

This course is an exploration of welding and the metal shop. Students will explore welding and develop basic, traditional welding skills in oxy-acetylene and arc welding through a great variety of assignments and small projects. Students will learn to safely use all of the various hand and power tools in the metal shop. This is a course where students can develop workplace skills (work ethic, problem solving, time management, reliability, honesty, teamwork, etc.). Student safety is the first priority.



WELDING II

Course Number: 181311

Grade Level: 10, 11, 12

Credits: 1

Additional Credit Option: Articulated College Credit from CLC

Prerequisite: Welding I

This is a more in-depth study of welding with a focus on more modern techniques and processes (MIG, TIG, and CNC plasma table). Assignments and projects will feature greater variety and complexity than Welding I and greater quality is expected. This is a course where students can further develop workplace skills (work ethic, problem solving, time management, reliability, honesty, teamwork, etc.). Student safety is the first priority.



WOODWORKING I

Course Number: 181314

Grade Level: 10, 11, 12

Credits: 1, Fulfills Art Requirement

Prerequisite: Intro to CAD and Construction

In this course, the students will explore the process of producing a wood project and how to safely and properly operate all of the power tools and equipment found in the Wood Shop, including our new CNC (Computer Numeric Control) router.



WOODWORKING II

Course Number: 181315

Grade Level: 10, 11, 12

Credits: 1, Fulfills Art Requirement

Prerequisite: Woodworking I

Students will continue development of woodworking skills through practical application and practice. Topics of focus in this course include lab safety, advanced project design and planning, materials selection, machine tool use and maintenance, and finishing processes, etc. This is a project oriented, hands-on course.



Bridges Career Academy courses are identified throughout the catalog with the Bridges apple symbol.

ADVANCED COURSES

CONSTRUCTION TRADES - FRAMING

Course Number: 181322

Grade Level: 11, 12

Credits: 2, 2 hour block

Prerequisite: Construction I

The primary activity will be the construction of a residential home located on our school property. Students will learn safety and be involved with framing floors, walls, roofs and installing mechanical systems. Professional tradesmen will assist students with plumbing, electrical and HVAC installation. This course will be offered in the Fall. Students may repeat this course.



CONSTRUCTION TRADES - FINISHING

Course Number: 181323

Grade Level: 11, 12

Credits: 2, 2 hour block

Prerequisite: Construction I

The primary activity will be finishing our residential home that was started in the fall semester. Students will learn safety and be involved with insulating, sheetrock taping and finishing, installing interior doors, trim and finally finishing the exterior of the building. Professional tradesmen will assist students with sheetrock taping and cabinetwork. The course will be offered in the Spring. Students may repeat this course.



WELDING III AND FABRICATION

Course Number: 181320

Grade Level: 11, 12

Credits: 1

Additional Credit Option: Articulated College Credit from CLC

Prerequisite: Welding II

Assignments and projects will consist of advanced welding techniques, processes and positions on a variety of materials. A part of this course is a student designed or modified "capstone" project that may involve incorporating hydraulics, pneumatics, or small gas or diesel engines along with welding and fabrication. Each student is required to "donate" community service of one hour a month to welding and repair work for the community. Students in this course will be expected to demonstrate highly developed workplace skills. In addition to classroom work, students must complete 16 hours of lab work at the Central Lakes College Welding facility. Students may repeat this course.



Woodworking III

Course Number: 181321

Grade Level: 11, 12

Credits: 1, Fulfills Art Requirement

Prerequisite: Woodworking II

This advanced level course is designed to offer students the opportunity to broaden their knowledge and elevate their skill level in the field of woodworking. Advanced techniques and concepts will be applied in the areas of design, furniture construction, and basic cabinetry. Students will be responsible for designing projects and working their ideas through to completion. Quality, ingenuity, and focus on task will be stressed. Materials fees may be assessed according to the extent of the projects. Students may repeat this course.



AVIATION COURSES

AVIATION - FUNDAMENTALS

Course Number: 181324

Grade Level: 11, 12

Credits: 1

This course is an introductory study of principles of flight, aerodynamics, aircraft systems, navigation, FAA regulations, and aviation careers. Through aviation training videos, class discussion, weekly field trips to Brainerd Airport, and guest speakers such as airline pilots, military pilots, other professional pilots, aerospace engineers, airport managers, and air traffic controllers, students will learn about the world of aviation as well as paths of study to pursue career pilot, private aviator, or other aviation-related career opportunities.

AVIATION - PRIVATE PILOT GROUND SCHOOL

Course Number: 181325

Grade Level: 11, 12

Credits: 1

Recommended: Aviation – Fundamentals

This course is an in-depth study designed to include topics tested in the FAA PRIVATE PILOT written examination. The Private Pilot License is the first license in becoming a pilot, followed by Commercial Pilot and Airline Transport Pilot license for those students pursuing a pilot career. Subjects included in this course include Aircraft Performance and Aerodynamics, Airplane Systems, Aviation Weather, Aviation Regulations, Flight Operations, Flight Planning, and practice FAA exams. After successful completion of this course, students will be provided with a course completion certificate and/or endorsement from the instructor which must be presented at an authorized computer testing facility to sit for the FAA Private Pilot written examination.

Students can earn both high school and college credit through CIS courses. If a student is planning to take a CIS course that is through Central Lakes College, the student must apply to Central Lakes College.

BUSINESS EDUCATION

The courses offered in the Business Department are designed to introduce students to the world of business. After graduating from high school or college virtually everyone will use financial management skills in both their personal and professional lives. Most students will eventually have business related employment. Students graduating with business majors will be better prepared for personal financial management, develop job skills required for higher-paying employment, and be better prepared for small business ownership or for a career in marketing.

INTRODUCTORY COURSES

INTRODUCTION TO BUSINESS/PERSONAL FINANCE

Course Number: 131100

Grade Level: 9, 10, 11, 12

Credits: 1

This is an introductory course, which offers students the opportunity to explore both the worlds of business and personal finance. The course is divided into content areas, which introduce basic concepts in marketing, economics, management, finance, and other core functions of business. Part of the semester will explore personal finance topics on earnings, budgeting, money management, credit/debt, and more. These lessons will help prepare students for financial success after graduation.



BUSINESS COOPERATIVE WORK SEMINAR

Course Number: 131102

Grade Level: 9, 10, 11, 12

Credits: 1

This course is designed to help prepare students in developing critical job skills to provide them with employment opportunities. Students learn skills in positive job preparation, attitudes, responsibilities, and rewards of entry-level employment. Students will study workplace communication skills, career exploration, applications, resumes, interviewing skills, child labor laws, workplace safety, and more. Successfully completing this course will allow students to participate in work based learning opportunities which include internships, mentorships, paid work experience.

COMPUTER APPLICATIONS

Course Number: 131101

Grade Level: 9, 10, 11, 12

Credits: 1

Microsoft Office has been the industry standard productivity software for decades, but the market is changing. Web-based solutions, like Google Docs, are being leveraged by businesses and organizations. Through projects and simulations, students will learn to use a variety of productivity software that will prepare them for post-secondary education and today's ever-changing workforce. The course will explore applications used to create spreadsheets, documents, presentations, databases, and other modern technologies.



INTERMEDIATE COURSES

BUSINESS COOPERATIVE WORK EXPERIENCE

Course Number: 131103

Grade Level: 10, 11, 12

Credits: 1

Prerequisite: Business Cooperative Work Seminar

Whether you plan to join the workforce or pursue a degree, after high school, gaining experience now will help ensure you've made the right choice. This course will combine skills learned from Business Cooperative Work Seminar with on the job experience. Students have an opportunity to participate in various work based learning experiences which may include job shadows, internships, mentorships, and paid work experience. The Work Coordinator will work with students on an individual basis to determine eligibility, placement, and approved employment sites. Internships and paid work experience require students to work and log a minimum number of hours per week in order to earn work experience credit. Students need to provide their own transportation to the work site and may receive an open hour in their schedule.

SPORTS/ENTERTAINMENT MARKETING

Course Number: 131201

Grade Level: 10, 11, 12

Credits: 1

Explore the intriguing world of sports and entertainment from the perspective of marketing. Sports and entertainment topics are used to learn foundational marketing concepts. Emphasis is on sports and entertainment as a business, marketing strategies, communication, sales, promotion, advertising, and e-commerce. Marketing functions are incorporated throughout the sports and entertainment industries and are the perfect vehicles to highlight how marketing plays out in our everyday lives.



ADVANCED COURSES

CIS ACCOUNTING I

Course Number: 131300

Grade Level: 11, 12

Credits: 1

Additional Credit Option: CLC BUSN 1102 - 3 credits

Additional Credit Option: Articulated College Credit from CLC

Required: Accuplacer score of 237 in reading

This class teaches all students, not just accounting majors, an excellent understanding of how a business works and the "language" of business. Students learn the basic accounting cycle for a service business organized as a proprietorship and a merchandising business organized as a corporation. These accounting procedures prepare students for employment in business related occupations and for maintaining personal financial records. This course is strongly recommended for any students pursuing a post-secondary business, accounting, or finance degree.



CIS ACCOUNTING I - BLENDED

Course Number: 133001

Grade Level: 11, 12

Credits: 1

Additional Credit Option: CLC BUSN 1102 - 3 credits

Additional Credit Option: Articulated College Credit from CLC

Required: Accuplacer score of 237 in reading

In this blended/hybrid course, students will only be required to meet in class certain days of the week. On the other days, students have the flexibility to complete course content online whenever it works best with their schedule. This course will include the same material as the in-person course.



CIS ACCOUNTING I - ONLINE

Course Number: 135300

Grade Level: 11, 12

Credits: 1

Additional Credit Option: CLC BUSN 1102 - 3 credits

Additional Credit Option: Articulated College Credit from CLC

Required: Accuplacer score of 237 in reading

In this online course, students have the flexibility to complete course content online whenever it works best with their schedule. Live lessons will be provided along with remote and in-person teacher support. This course will include the same material as the in-person course.



ENTREPRENEURSHIP

Course Number: 131202

Grade Level: 11, 12

Credits: 1

Millions of individuals undertake entrepreneurship, the act of creating a new business, each year. This course takes students through the entire process of owning their own business, from skills required to identify and meet a market need, to critical thinking, planning, financing, and hiring. Any student, who envisions himself/herself as an owner of a business one day, or as an active participant in the business world, will find this course an excellent resource. Students may repeat this course.



CIS INTRODUCTION TO BUSINESS

Course Number: 131301

Grade Level: 11, 12

Credits: 1

Additional Credit Option: CLC BUSN 1501 - 3 credits

Additional Credit Option: Advanced Standing MnSCU System

Required: Accuplacer score of 237 in reading

This course is a survey of the forces that shape business in America with an overview of how American business responds. Topics include business economics, forms of business organizations, management functions, marketing procedures, business finance, entrepreneurship, and more. Students will develop a plan to start a new business.



CIS INTRODUCTION TO BUSINESS - BLENDED

Course Number: 133301

Grade Level: 11, 12

Credits: 1

Additional Credit Option: CLC BUSN 1501 – 3 credits

Additional Credit Option: Advanced Standing MnSCU System

Required: Accuplacer score of 237 in reading

In this blended/hybrid course, students will only be required to meet in class certain days of the week. On the other days, students have the flexibility to complete course content online whenever it works best with their schedule. This course will include the same material as the in-person course.

NEW



ENGINEERING EDUCATION

Project Lead the Way (PLTW) is a nationally credited pre-engineering program. It is about applying engineering, science, math, and technology to solve complex, open-ended problems in a real-world context. Students focus on the process of defining and solving a problem, not on getting the "right" answer. They learn how to apply STEM knowledge, skills, and habits of mind to make the world a better place through innovation. Even for students who do not plan to pursue engineering after high school, the PLTW courses provide opportunities to develop highly transferable skills in collaboration, communication, and critical thinking, which are relevant for any coursework or career.

INTRODUCTORY COURSES

CIS INTRODUCTION TO ENGINEERING DESIGN A & B

Course Number: 181200, 181201

Grade Level: 9, 10, 11, 12

Credits: 2, Fulfills Art Requirement

Yearlong Course

Additional Credit Option: CLC ASC MTRD 1130 – 2 credits, St. Cloud State University – 3 credits

Required: GPA of 2.5

In this course students use 3-D computer modeling software, learn the design process, and solve design problems as they develop, analyze, and create product models. This hands-on course emphasizes analyzing potential solutions and working with peers in order to improve existing products and create new ones.



INTERMEDIATE COURSES

CIS PRINCIPLES OF ENGINEERING A & B

Course Number: 181202, 181203

Grade Level: 10, 11, 12

Credits: 2, Fulfills Art Requirement,

Yearlong Course

Additional Credit Option: CLC ASC RAST 1110 – 1 credit, St. Cloud State University – 3 semester credits for Jrs/Srs

Prerequisite: CIS Intro to Engineering Design

This course helps students understand the field of engineering through many project-based activities. Students are required

to explore various technology systems and engage themselves in the design process. Students will understand how and why math, science, technology, and engineering are so important and how they all fit together.



College credit courses are identified throughout the catalog with the college symbol.

ADVANCED COURSES

CIS BIOLOGICAL ENGINEERING

Course Number: 161206

Grade Level: 10, 11, 12

Credit: 1

Additional Credit Option: Must take Chemical Engineering in the spring: St. Cloud State University - 3 credits

Prerequisite: Biology

Recommended: CIS Intro to Engineering Design

Students will explore how biological engineering contributes to feeding a growing human population by increasing nutritional content in staple food crops, eliminating the need for pesticides and herbicides, and creating drought and frost resistant crops. Students will test foods for the presence of GMO's, manipulate DNA, conduct PCR and gel electrophoresis, engineer their own plasmid, transform bacteria, clone a gene, and more. This course is PLTW Environmental Sustainability.



CIS CHEMICAL ENGINEERING

Course Number: 161208

Grade Level: 10, 11, 12

Credit: 1

Additional Credit Option: Must take Biological Engineering in the fall: St. Cloud State University - 3 credits

Prerequisite: Biology

Recommended: CIS Intro to Engineering Design

Students will explore how chemical engineering techniques will improve global access to clean water and renewable fuel sources. Students will design and build a water filter and test water for various contaminants. Students will make various biofuels including biodiesel and analyze how biofuels from renewable sources like algae and yeast can reduce the amount of greenhouse gases in the atmosphere. This course is PLTW Environmental Sustainability.



CIS CIVIL ENGINEERING AND ARCHITECTURE A & B

Course Number: 181204, 181205

Grade Level: 10, 11, 12

Credits: 2

Yearlong Course

Additional Credit Option: St. Cloud State University - 3 credits

Recommended: CIS Intro to Engineering Design

This course deals with the exploration of the fields of Architecture and Civil Engineering. Students will be engaged in problem solving, designing activities, and working in groups to develop community-based building projects. Students further understand how engineers and architects work together.



College credit courses are identified throughout the catalog with the college symbol.

ENGLISH EDUCATION

The courses offered in the English Department provide instruction in writing, literary analysis, vocabulary, and grammar at the appropriate grade level. Required courses include English 9, English 10, English 11, and English 12.

The English Department is offering three full-year Advanced Placement (AP) courses. College-bound students who wish to begin college level work in the high school setting should consider taking one or two courses through their junior and senior years.

REQUIRED COURSES

ENGLISH 9 A & B

Course Number: 111100, 111101

Grade Level: 9

Credits: 2

Yearlong Course

Through this course, students will demonstrate an understanding of the writing process. Students will read, study, and comprehend a variety of different types of literature. This course will include vocabulary practice as well as the application of language skills.



ENGLISH 9 INTENSIVE A & B

Course Number: 111102, 111103

Grade Level: 9

Credits: 2

Yearlong Course

This course is offered to highly motivated students who prefer a challenging and intensive curriculum. Students who enroll should be strong readers and writers who can set high goals and meet deadlines. There will be an emphasis on academic writing practice and critical reading skills.

ENGLISH 10 A & B

Course Number: 111200, 111201

Grade Level: 10

Credits: 2

Yearlong course

Prerequisite: English 9

Students will read, study, and comprehend more complex works of prose, drama, poetry, fiction, novels, informational texts, as well as online resources. They will also practice vocabulary and editing skills as they advance their writing process skills.

ENGLISH 10 INTENSIVE A & B

Grade Level: 10

Course Numbers: 111202, 111203

Credits: 2

Yearlong Course

Prerequisite: English 9 Intensive

In addition to the general targets of the sophomore courses, students will also gain an in-depth knowledge of the evolution of American literature. The course will have a strong and rigorous emphasis on academic writing practice and critical reading skills.

ENGLISH 11 A & B

Course Number: 111300, 111301

Grade Level: 11

Credits: 2

Yearlong course

Prerequisite: English 10

This course emphasizes continued reading skills and writing skills growth. Students' reading will include a range of genres and text complexity--further preparing them for the challenges ahead. Student's completion of a research project and other writing will emphasize grammar and editing skills as well as effective and clear communication.

ENGLISH 12

Course Number: 111400

Grade Level: 12

Credits: 1

Prerequisite: English 11

Students will read works of increasing sophistication compared to earlier courses. Literature, poetry, plays, literary nonfiction, as well as, at least, one novel will be read in order to practice evaluating intricate argumentation and literary analysis. Students will extend their earlier practice with vocabulary and writing--especially expository and literary analysis writing.

ENGLISH 12 – ONLINE

Course Number: 115400

Grade Level: 12

Credits: 1

Prerequisite: English 11

In this online course, students will have the flexibility to complete course content online when and wherever it works best with their schedule. Content is released weekly with remote and in-person teacher support. This course includes the same course content and pacing as the in-person English 12 course. Online courses are best suited for self-motivated students who have well-established time management skills. Please see English 12 for full course description.



journal and will create works in the short story, drama, personal essay, and poetry genres. This course will often utilize the workshop format in which students will be asked to share their thoughts and works in small and large group settings.

DIGITAL MEDIA LITERACY

Course Number: 111328

Grade Level: 11, 12

Credits: 1

This course focuses on critical thinking, writing, and reading skills in the digital world, including how to analyze and respond to advertisements, blogs, websites, social and news media, and technical writing. Students will also consider their own positions as consumers of media, gain an understanding and explore ways to use media to become more active and thoughtful citizens. Students will have the opportunity to develop their own technology skills through group and individual projects, and explore what it means to be a responsible digital citizen.

DIGITAL MEDIA LITERACY - ONLINE

Course Number: 115328

Grade Level: 11, 12

Credits: 1

In this online course, students will have the flexibility to complete course content online when and wherever it works best with their schedule. Content is released weekly with remote and in-person teacher support. This course includes the same course content and pacing as the in-person digital media literacy course. Online courses are best suited for self-motivated students who have well-established time management skills. Please see Digital Media Literacy for full course description.



INTRODUCTION TO HUMANITIES

Course Number: 111320

Grade Level: 11, 12

Credits: 1

This course is an introductory survey of the genres and themes of the humanities. Reading, writing, and course discussions might include a focus on music appreciation, the visual arts, film criticism, modern literature, and philosophy. Possible themes/ideas of freedom, love, happiness, death, nature, and myth will be explored from a Western and Non-western point of view.

JOURNALISM

Course Number: 111329

Grade Level: 11, 12

Credits: 1

This course explores journalistic writing through the analysis of newspapers, magazines, and online publications. The course includes newsgathering, ethics, writing styles, photography, editing, design, layout, and the printing process. Students will become analytical consumers of media and technology and will sharpen their writing and reporting skills by contributing to the school newspaper, *The Fifth Street Journal*.



ELECTIVE COURSES

CREATIVE WRITING

Course Number: 111321

Grade Level: 11, 12

Credits: 1

Students will discuss styles of writing, read a variety of authors and analyze their writing styles, and work toward improving personal writing skills. Students will be required to keep a daily

NOVELS

Course Number: 111322

Grade Level: 11, 12

Credits: 1

This course will enable students to read and enjoy several novels of varying complexity, both current and classical, for technique, style, theme, and relationship to self and society. Students will be assessed via participation, daily assignments, written reflections, and tests. This is a course for students that truly enjoy reading, and would like to learn how to read a novel for both pleasure, and deeper understanding.

WORLD DRAMA AND THEATRE ARTS

Course Number: 111330

Grade Level: 11, 12

Credits: 1

In this course, students will read some of the great plays written throughout world history. We begin the semester with a discussion of theatre and the language of dramatic literature, which leads to a hands-on study of great plays. Acting is not required. This course will often utilize a workshop format in which students analyze, comment on and critique dramatic literature in small and large group formats.

INTERPERSONAL COMMUNICATIONS – ONLINE

Course Number: 115331

Grade Level: 11, 12

Credits: 1

Interpersonal Communication is the study of communication behaviors involving two persons, examining the impact of such behaviors on personal relationships. In this course you will analyze the common elements of interpersonal communication and learn techniques to overcome barriers to effective communication. Techniques of interpersonal competence include improving one-on-one skills for verbal and non-verbal communication, perception, self-disclosure, listening and feedback, sharing emotions, assertiveness, coping with conflict, and communicating with family, friends and romantic relationship partners. The course material, discussions and activities required are highly transferrable to real-world contexts. As an online course, students will have the flexibility to complete course content online when and wherever it works best with their schedule.



basic skills from each of the three core areas. The central outcome of this course is to help participants become better communicators in all areas of life. Participants have the ability to earn college credit upon completion.

AP ENGLISH LANGUAGE AND COMPOSITION A & B

Course Number: 111324, 111325

Grade Level: 11, 12

Credits: 2

Yearlong Course

Required: Seniors must receive prior department approval

This course is designed to teach students about the art of rhetoric. Students will read, comprehend, and analyze a variety of complex texts and will write rich, stylish prose to effectively communicate with various audiences. Through reading challenging nonfiction texts, students will identify a writer's audience and purpose as well as analyze rhetorical strategies and devices. Students will also learn to evaluate, use, and cite sources effectively while writing with different styles, tones, and rhetorical strategies in both formal and informal contexts.



AP ENGLISH LITERATURE AND COMPOSITION A & B

Course Number: 111403, 111404

Grade Level: 12

Credits: 2

Yearlong Course

The goal of this course is to strike a balance between the study of literature and the study (and intensive practice) of writing. Students will work to develop sophisticated skills in writing literary criticism and in analytical reading of literature of recognized merit. Texts and methods used will be the same as those used at the college level for freshman and sophomore literature survey courses.



ADVANCED COURSES

CIS INTRODUCTION TO COMMUNICATION/SPEECH

Course Number: 111323

Grade Level: 11, 12

Credits: 1

Additional Credit Option: CLC COMM 1410 – 3 credits

Required: Accuplacer score of 237 in reading

In this course, students will learn about the art of communication focusing on three core areas: interpersonal communication, group communication, and public speaking. Through this hybrid course, students will explore the fundamentals of communication as well as identify and apply



FAMILY & CONSUMER SCIENCES (FACS)

The courses offered in the Family and Consumer Sciences Department are designed to help students meet the challenges of their daily lives today and in the future. Making decisions, managing personal resources (money, time, and skills), being well nourished, having satisfying personal relationships, preparing for future career, parenthood, and independent living are all goals of these courses.

INTRODUCTORY COURSES

CREATIVE FOODS

Course Number: 181121

Grade Level: 9, 10, 11, 12

Credits: 1

Students will study creative food preparation and presentation. Students will learn about food safety and sanitation, measuring techniques, tools and terms of recipes, creative food preparation techniques and meal planning. Students will prepare and sample a variety of foods with a focus on appearance from the following units: chocolate, appetizers and hors d'oeuvres, cake decorating, pies and pastries, herbs and spices, and coffee and teas.

EXPLORING FOODS

Course Number: 181100

Grade Level: 9, 10, 11, 12

Credits: 1

In this course, students will study a variety of foods and methods of food preparation. Students will gain knowledge of proper food handling and kitchen safety skills, measuring techniques, recipe reading and correct usage of standard kitchen equipment. Throughout the course, students will learn to prepare various types of dishes and how they can be incorporated into a healthy diet. Students will learn to create desserts, meals and snacks from a variety of items such as poultry, meats, vegetables, fruits, dairy, eggs, and more.



AP Capstone™ is an innovative diploma program that helps students to stand out in the college admission process by developing the critical skills needed to succeed in college. This program immerses students in relevant topics while developing the analytical, research, problem-solving, and communication skills that colleges seek in their applicants.

There are two options for recognition within the program:

- AP Capstone Diploma™: Students who earn scores of 3 or higher on both the AP Seminar and AP Research Exams and on four additional AP Exams of their choosing will receive the diploma.
- AP Seminar and Research Certificate™: Students who earn scores of 3 or higher on the AP Seminar and AP Research Exams only will receive the certificate.

AP SEMINAR LANGUAGE AND COMPOSITION A & B

Course Number: 111326, 111327

Grade Level: 11, 12

Credits: 2

Yearlong course

Recommended: English 10 course grade of B or better

Required: Seniors must receive prior department approval

This course combines both AP Seminar and AP English Language and Composition. Students will develop rhetorical and analytical reading skills and learn to compose written work at the collegiate level for a variety of purposes. Students will explore academic and real-world multi-disciplinary topics of their choice by considering divergent perspectives and evaluating a variety of sources. Students will complete three components contributing to the overall AP Seminar Exam score: a team project and oral presentation, an individual paper and oral presentation, and a written end-of-course exam in May. Students will also complete the AP Language and Composition exam in May.

Note: This course satisfies English 11 or English 12 or elective credit requirements.

AP RESEARCH A & B

Course Number: 111405, 111406

Grade Level: 12

Credits: 2

Yearlong course

Prerequisite: AP Seminar Lang and Comp

Allows students to deeply explore an academic topic, problem, or issue of individual interest. Through this exploration, students design, plan, and conduct a yearlong research based investigation to address a research question. Students further their skills acquired in the AP Seminar course by understanding research methodology; employing ethical research practices; and accessing, analyzing, and synthesizing information as they address a research question. The course culminates in an academic paper of approximately 4000–5000 words (accompanied by a performance or exhibition of product where applicable) and a presentation with an oral defense.

Note: This course satisfies English 12 or elective credit requirements.

INTERNATIONAL FOODS

Course Number: 181120

Grade Level: 9, 10, 11, 12

Credits: 1

This course is a culinary tour of many regions. Students will learn proper food handling and kitchen safety skills, recipe reading, and other basic cooking skills as they are introduced to the new flavors of international cuisine. Cooking techniques, equipment and recipes will represent many cultures and customs from all over the globe. Students will learn to prepare dishes representing Asian, Italian, Mexican, French Cuisines, and more!



INTERMEDIATE COURSES

CHILD DEVELOPMENT

Course Number: 181122

Grade Level: 10, 11, 12

Credits: 1

In this course, students will study the growth and development of children from conception through age three. Prenatal development and birth will be studied along with physical, emotional, social, and intellectual development in the newborn through the age of three. The development approach is interwoven with psychology, the science of behavior and thought. Students will have the opportunity to apply what they have learned by participating in the "Real Care Baby" parenting simulation program.



INTERIOR DESIGN

Course Number: 181123

Grade Level: 10, 11, 12

Credits: 1, Fulfills Art Requirement

This course explores how living space meets our varied human needs. Topics include housing needs, elements of design (line, space, form/shape, texture, and color) as they relate to interior space and principles of design (rhythm, balance, proportion, scale, emphasis, harmony, and unity). The course will also include the study of interior space, floor planning, basic decorating, and furniture arranging. Each student will develop a decorating plan for a room as the final project.

LIVING ON YOUR OWN

Course Number: 181130

Grade Level: 11, 12

Credits: 1

Your independent life is just around the corner, and this course is designed to prepare you for it. Students will study several aspects of independent living. Communication skills, money management, managing resources, job skills, nutrition, career exploration, consumer skills, and apartment living are the main topics studied in this course.

ADVANCED COURSES

CULINARY ARTS I

Course Number: 181131

Grade Level: 10, 11, 12

Credits: 1

Prerequisite: Exploring Foods and Creative Foods or International Foods

This advanced course is designed for students who are interested in going into the restaurant or hospitality fields. Students will work towards mastery of intermediate level food preparation and presentation. Students will learn the skills and knowledge they need for success in the food service industry, such as: food safety and sanitation, knife skills, and operating specialized kitchen equipment. Units of study may include soups and sauces, methods of cooking, flavoring with herbs and spices, artisan pizza, plating techniques and more. Students will work closely with a mentor chef from a local food service establishment throughout the course.



CULINARY ARTS II

Course Number: 181132

Grade Level: 10, 11, 12

Credits: 1

Prerequisite: Culinary Arts I

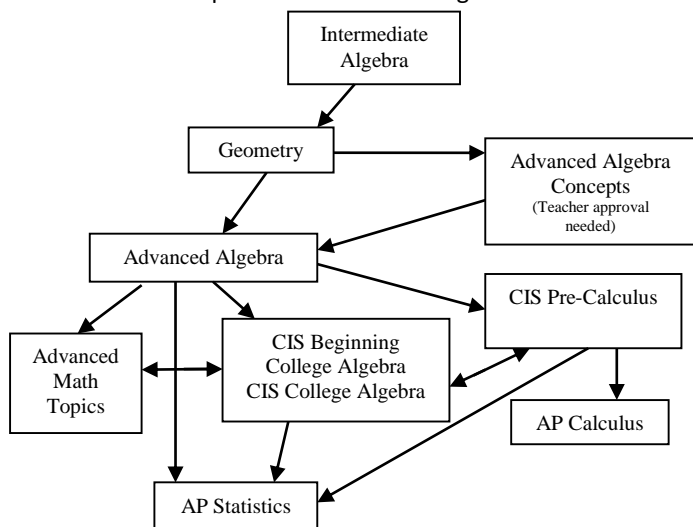
This advanced course is designed for students who are interested in going into the restaurant or hospitality fields. Students will continue their mastery of food safe handling procedures, knife skills and cooking skills. Units of study may include breakfast cookery, cooking methods, plating techniques, artisan breads and specialty desserts. Additional emphasis on restaurant management skills. Students will work closely with a mentor chef from a local food service establishment throughout the course.



MATHEMATICS EDUCATION

Graduation requirements for mathematics are as follows:

- 6 mathematics credits in Grades 9 – 12
- Successful completion of Advanced Algebra I and II



REQUIRED COURSES

INTERMEDIATE ALGEBRA A & B

Course Number: 141100, 141101

Grade Level: 9, 10

Credits: 2

Yearlong Course

Prerequisite: Grade 8 Algebra

Students will study each concept through example and practical applications. The course will address properties of real numbers, writing, solving and graphing linear equations and inequalities, systems of equations and inequalities, exponents and exponential functions, quadratic equations and functions, polynomials and factoring, rational equations and functions, and radicals and connections to geometry.

GEOMETRY INTENSIVE A & B

Course Number: 141200, 141201

Grade Level: 9

Credits: 2

Yearlong Course

Prerequisite: Grade 8 Intermediate Algebra honors level course

The course will include all geometry standards and topics, but will move at a faster pace and include more rigor.

GEOMETRY A & B

Course Numbers 141108, 141109

Grade Level: 10, 11

Credits: 2

Yearlong Course

Prerequisite: Intermediate Algebra

This course includes such topics as reasoning and proof; parallel and perpendicular lines; congruent triangles; properties of triangles, quadrilaterals, and circles; transformations; similarity; right triangle trigonometry; and area, surface area, and volume of a variety of shapes. Students will apply algebra skills throughout the course.

ADVANCED ALGEBRA INTENSIVE A & B

Course Number: 141204, 141205

Grade Level: 10, 11

Credits: 2

Yearlong Course

Prerequisite: Geometry

The course will include all advanced algebra standards and topics, but will move at a faster pace and include more rigor.

ADVANCED ALGEBRA A & B

Course Number: 141202, 141203

Grade Level: 10, 11, 12

Credits: 2

Yearlong Course

Prerequisite: Geometry

The course will address solving equations, inequalities, and systems. The course will examine the following types of functions: linear, quadratic, polynomial, exponential, logarithmic, rational, and trigonometric. Additional topics include powers, radicals, sequences and series, and probability and statistics. Students study each mathematical idea in depth through application and practical problems, providing opportunities to understand the importance of math in everyday life.

ADVANCED ALGEBRA A & B – ONLINE

Course Number: 145202, 145203

Grade Level: 10, 11, 12

Credits: 2



Prerequisite: Geometry

Yearlong Course

In this online course, students have the flexibility to complete course content online when and wherever it works best with their schedule. Content is released weekly with remote and in-person teacher support. This course includes the same course content and pacing as the in-person advanced algebra course. Online courses are best suited for self-motivated students who have well-established time management skills. Please see Advanced Algebra A & B for full course description.

ELECTIVE COURSES

ADVANCED MATH TOPICS

Course Number: 141302, 141303

Grade Level: 11, 12

Credits: 2

Yearlong Course

Prerequisite: Advanced Algebra

This course builds on the topics in Advanced Algebra to explore algebra, probability, and statistics topics in context. Topics include probability calculations and models, descriptive statistics, savings and borrowing models, management science, and linear programming. Students who earn 80% or higher (in each semester) and enroll in Central Lakes College may enter MATH 1460 Introduction to Statistics or MATH 1441 Concepts in Mathematics at Central Lakes College within two years without taking a placement test.

ADVANCED MATH TOPICS - BLENDED

Course Number: 143302, 143303

Grade Level: 11, 12

Credits: 2

Yearlong Course

Prerequisite: Advanced Algebra

This course includes the same material as the in-person course. However, this blended/hybrid course will be taught through a combination of in class learning periods and out of class "online" learning. Students will be expected to attend scheduled class periods and complete scheduled assignments, activities and notes online. The teacher will be available to meet with students during "online" class periods. The goal of a blended course is to create a flexible schedule for the student but also provide face to face instructional support and feedback.

ADVANCED COURSES

CIS INTRODUCTION TO COLLEGE ALGEBRA

Course Number: 141304

Grade Level: 11, 12

Credits: 1

Additional Credit Option: CLC MATH 1520 – 3 credits

Prerequisite: Advanced Algebra

Required: Accuplacer cut score required for CLC credit option

Recommended: "C" average or above in Advanced Algebra or teacher approval

Designed to prepare students for College Algebra. This course will intensify the study of concepts first seen in Intermediate Algebra, as well as introduce topics include College Algebra. A basic understanding of solving equations and using function notation will be expected, so that students can investigate solving systems of equations in three variables, systems of non-linear equations, polynomial equations, and basic exponential and logarithmic equations. Additionally, function operations and graphing function transformations will be introduced and explored.

CIS INTRODUCTION TO COLLEGE ALGEBRA - BLENDED

Course Number: 143304

Grade Level: 11, 12

Credits: 1

Prerequisite: Advanced Algebra

Required: Accuplacer cut score required for CLC credit option

Recommended: "C" average or above in Advanced Algebra or teacher approval

This course includes the same material as the in-person course. However, this blended/hybrid course will be taught through a combination of in class learning periods and out of class "online" learning. Students will be expected to attend scheduled class periods and complete scheduled assignments, activities and notes online. The teacher will be available to meet with students during "online" class periods. The goal of a blended course is to create a flexible schedule for the student but also provide face to face instructional support and feedback.

CIS COLLEGE ALGEBRA

Course Number: 141305

Grade Level: 11, 12

Credits: 1

Additional Credit Option: CLC MATH 1470 – 3 credits

Prerequisite: CIS Intro to College Algebra

Required: Accuplacer or ACT cut score required for CLC credit option

This course includes topics such as functions and graphs, equations and inequalities, polynomial functions, rational functions, inverse functions, exponential functions, logarithmic functions, sequences and series, systems of equations and inequalities, and problem solving. A graphing approach is used and therefore the use of a graphing calculator will be highly emphasized.

CIS COLLEGE ALGEBRA - BLENDED

Course Number: 143305

Grade Level: 11, 12

Credits: 1

Additional Credit Option: CLC MATH 1470 – 3 credits

Prerequisite: CIS Intro to College Algebra

Required: Required: Accuplacer or ACT cut score required for CLC credit option

This course includes the same material as the in-person course. However, this blended/hybrid course will be taught through a combination of in class learning periods and out of class "online" learning. Students will be expected to attend scheduled class periods and complete scheduled assignments, activities and notes online. The teacher will be available to meet with students during "online" class periods. The goal of a blended course is to create a flexible schedule for the student but also provide face to face instructional support and feedback.

PRE-CALCULUS I

Course Number: 141306

Grade Level: 11, 12

Credits: 1

Recommended: "B" average or above in Advanced Algebra or teacher approval

Pre-Calculus courses are designed for students with strong Algebra skills that are planning to take Calculus in the future. This course will explore the mathematical topics necessary for a successful transition from Algebra to advanced math courses in college. Students will explore topics including, equation solving, functions (polynomial, radical, rational, exponential, logarithmic, trigonometric, and inverse trig), identities, applications, and parametric/polar graphing.

Students can earn both high school and college credit through CIS courses. If a student is planning to take a CIS course that is through Central Lakes College, the student must apply to Central Lakes College.

CIS PRE-CALCULUS II

Course Number: 141307

Grade Level: 11, 12

Credits: 1

Additional Credit Option: CLC MATH 1472 - 5 credits

Prerequisite: Pre-calculus I

Required: Accuplacer or ACT cut score required for CLC credit option

This course includes college level rigor, career exploration, and college credit. This course will explore the mathematical topics necessary for a successful transition from Advanced Algebra to advanced math courses in college. Students will explore topics including, equation solving, functions (polynomial, radical, rational, exponential, logarithmic, trigonometric, and inverse trig), identities, applications, and parametric/polar graphing.



AP CALCULUS A & B

Course Number: 141308, 141309

Grade Level: 11, 12

Credits: 2

Yearlong Course

Prerequisite: CIS Pre-Calculus II

This course is the study of differential calculus. A derivative is a slope at an instant, which allows students to find rates of changes on curves and predict maximum and minimum values of functions. Students will study integral calculus and the fundamental theorem of calculus. These two concepts will allow a student to find the area and volume of any shape bounded by a function.



AP STATISTICS A & B

Course Number: 141310, 141311

Grade Level: 11, 12

Credits: 2

Yearlong Course

Prerequisite: Advanced Algebra

Statistics is the tool used to make decisions in the fields of business, social sciences, human sciences, and political science. Individuals wishing to succeed in these fields should have a working knowledge of statistics. Topics include exploratory data analysis, experimental design, probability, sampling and probability distributions, and statistical inference. College bound students with a strong advanced algebra background should be successful.



AP STATISTICS A & B - ONLINE

Course Number: 145310, 145311

Grade Level: 11, 12

Credits: 2

Yearlong Course

Prerequisite: Advanced Algebra

This online course includes the same material as the in-person course and is best suited for self-motivated, disciplined students who have well-established time management skills.



MUSIC EDUCATION

The purpose of the Music Department is to provide students with a broad, varied program of music education. Bands, choirs, orchestras, ensembles, independent studies, and lessons are offered for that purpose. There is a definite responsibility in being a member of any music performance group. There will be some after school rehearsals and concerts during the year. A student is expected to participate for the full year. Where there are problems with these expectations, a student should see the director when registering. Students are encouraged to join the music programs at any time. Beginning students may join a high school musical group with teacher approval. New students wishing to start an instrument should consider taking an Independent study course.

Note: Private Lessons can be arranged by contacting the band, choir or orchestra directors.

Note: All courses fulfill Art Requirement.

BAND COURSES

VARSITY BAND A & B

Course Number: 121100, 121101

Grade Level: 9

Credits: 2

Yearlong Course

Varsity Band focuses on individual and ensemble sound, music terminology and builds on a fundamental knowledge of the instrument. The band has four performances throughout the year. Students have the opportunity to perform in local, regional, and state honor bands.

VARSITY BAND COMBO A & B

Course Number: 121102, 121103

Grade Level: 9

Credits: 1

Yearlong Course

Identical course to Varsity Band but taken in combination with either Varsity Choir Combo or Varsity Orchestra Combo. Students will split rehearsal time between ensembles. Two "combo" classes fill one hour of the student's schedule.

CONCERT BAND A & B

Course Number: 121104, 121105

Grade Level: 10, 11, 12

Credits: 2

Yearlong Course

Prerequisite: Varsity Band

student who has a fundamental knowledge of their instrument. Fundamentals of ensemble playing will be developed with an emphasis on the student's selected instrument. Concert Band meets every day, performs four concerts during the year, and participates in large group contest. Members also perform in the BHS Pep Band. Students may repeat this course.

JAZZ ENSEMBLE A & B**Course Numbers: 121112, 121113****Grade Level: 10, 11, 12****Credits: 2****Yearlong Course****Required: Audition**

This course is a select jazz ensemble that performs numerous times throughout the year and participates in regional solo/ensemble and jazz festivals. Advanced jazz literature, theory, and improvisation are studied with an emphasis on individual performance. Students may repeat this course.

SYMPHONIC BAND A & B**Course Numbers: 121106, 121107****Grade Level: 10, 11, 12****Credits: 2****Yearlong Course****Required: Audition**

This course is designed for the accomplished wind/percussion student. The band focuses on ensemble tone production, music terminology, and instrument knowledge. The band has several performances throughout the year including large group contest, and an annual spring tour. Students have the opportunity to participate in local, regional and state honor bands, as well as solo/ensemble contest. Members also perform in the BHS Marching and Pep Bands. Sectionals are required once a week outside of class time. Students may repeat this course.

**WIND SYMPHONY A & B****Course Number: 121108, 121109****Grade Level: 10, 11, 12****Credits: 2****Yearlong Course****Required: Audition**

This course is designed for the highly accomplished wind/percussion student. This select ensemble studies advanced wind band literature with special emphasis on performance. Wind Symphony meets every day, performs numerous concerts during the year, participates in large group contest, and goes on an annual spring tour. Members also perform in the BHS Marching Band and Pep Band. Sectionals are required once a week outside of class time. Students may repeat this course.

CHORAL COURSES**VARSITY CHOIR A & B****Course Number: 121300, 121301****Grade Level: 9****Credits: 2****Yearlong Course**

Varsity Choir focuses on individual and ensemble sound, music terminology and builds on a fundamental knowledge of the singing voice. The choir has four performances throughout the year. Students have the opportunity to perform in local, regional, and state honor choirs.

VARSITY CHOIR COMBO A & B**Course Number: 121302, 121303****Grade Level: 9****Credits: 1****Yearlong Course**

Identical course to Varsity Choir but taken in combination with either Varsity Band Combo or Varsity Orchestra Combo. Students will split rehearsal time between ensembles. Two "combo" classes fill one hour of the student's schedule.

A CAPPELLA CHOIR A & B**Course Number: 121310, 121311****Grade Level: 11, 12****Credits: 2****Yearlong Course****Required: Audition**

This course is for the highly confident and independent singer. This select choir studies advanced choral literature with an emphasis on performance. The choir performs numerous times throughout the year, records, and tours each spring. Students have the opportunity to participate in local, regional and state honor choirs, as well as solo/ensemble contest. Sectionals outside of class time are required once a week. Students may repeat this course.

CANTABILE CHOIR A & B**Course Number: 121312, 121313****Grade Level: 11, 12****Credits: 2****Yearlong Course****Required: Audition**

This course is the same as above. Students may repeat this course.

BARDS A & B**Course Number: 121306, 121307****Grade Level: 10, 11, 12****Credits: 2****Yearlong Course**

This course is designed for the confident student singing Tenor or Bass. The choir focuses on ensemble tone production, music terminology, and knowledge of the singing voice. The choir has several performances throughout the year including large group contest. Students have the opportunity to participate in local, regional and state honor choirs, as well as solo/ensemble contest. Students may repeat this course.

CONCERT CHORALE A & B**Course Number: 121304, 121305****Grade Level: 10, 11, 12****Credits: 2****Yearlong Course**

This course is designed for the confident student singing Soprano or Alto. The choir focuses on ensemble tone production, music terminology, and knowledge of the singing voice. The choir has several performances throughout the year including large group contest. Students have the opportunity to participate in local, regional and state honor choirs, as well as solo/ensemble contest. Students may repeat this course.

WINDFALL A & B**Course Number: 121308, 121309****Grade Level: 11, 12****Credits: 2****Yearlong Course****Required: Audition**

This select choir performs many different genres of chamber music from Madrigals to Vocal Jazz. This group meets daily, performs many concerts throughout the community, and may travel as opportunities arise. Members of this group are expected to learn music independently and must be available for the many concerts that are scheduled. Students may repeat this course.

ORCHESTRA COURSES**VARSITY ORCHESTRA A & B****Course Number: 121200, 121201****Grade Level: Grade 9 and 10, 11, 12 beginning string players****Credits: 2****Yearlong Course**

Varsity Orchestra focuses on fundamentals of playing in tune, tone production, and ensemble playing. Varieties of musical styles are explored.

VARSITY ORCHESTRA COMBO A & B**Course Number: 121202, 121203****Grade Level: Grade 9****Credits: 1****Yearlong Course**

Identical course to Varsity Orchestra but taken in combination with either Varsity Band Combo or Varsity Choir Combo. Students will split rehearsal time between ensembles. Two "combo" classes fill one hour of the student's schedule.

SINFONIA ORCHESTRA A & B**Course Number: 121204, 121205****Grade Level: 9, 10, 11, 12****Credits: 2****Yearlong Course**

Required: Audition or teacher approval, (Violins: Completion of Suzuki Book 3) (Violas, Cellos, and Bass: Completion of Suzuki Book 2)

Sinfonia Orchestra is for the emerging string student already playing in tune and with good tone. Sinfonia Orchestra meets every day and studies various styles of classical music, may travel and performs three or more concerts a year. Solid orchestral technique will be developed and emphasis will be placed on competent string playing. Students may repeat this course.

CHAMBER ORCHESTRA A & B**Course Number: 121206, 121207****Grade Level: 9, 10, 11, 12****Credits: 2****Yearlong Course****Required: Audition or teacher approval****Violins: Completion of Suzuki Book 4****Violas, Cellos, and Bass: Completion of Suzuki Book 3**

This is a concerto level orchestra, which studies and performs difficult orchestral music with mastery. Chamber Orchestra meets every day, performs numerous times throughout the year, travels, and makes recordings. In addition to meeting during the school day, sectional rehearsals are a requirement and are held one day a week. Chamber Orchestra features guest artists and advanced student soloists. Students may repeat this course.

ELECTIVE COURSES**ACOUSTIC GUITAR****Course Number: 121208****Grade Level: 9,10, 11, 12****Credits: 1**

This is a class for beginning guitar students. The study of non-electric, acoustic guitar in a class setting that is individualized. Classical guitars are provided for use in school. Students will learn to read music as they play the guitar. Various styles of guitar music will be studied and performed. Basic knowledge of chords and theory will be studied. This course meets every day. This course may perform one concert per semester.

ACOUSTIC GUITAR ENSEMBLE**Course Number: 121209****Grade Level: 10, 11, 12****Credits: 1****Prerequisite: Acoustic Guitar I**

This course is designed for students who already have guitar playing experience. This course will go beyond the basic knowledge of chords and music theory. Fundamentals of ensemble playing will be developed using Acoustic guitars in various styles of music, from Classical guitar to Blues to Classic Rock. Acoustic nylon string guitars are available to use in class or students can bring their own acoustic guitars. This ensemble will perform at least one concert per semester.

ADVANCED COURSES**AP MUSIC THEORY A & B****Course Number: 121400, 121401****Grade Level: 11, 12****Credits: 2****Yearlong Course**

This course parallels the basic Music Theory I curriculum at the college level. It focuses on developing both written and aural (listening) skills. Students will develop musicianship skills such as melodic and harmonic dictation, key relationships, Roman numeral analysis, score reading, sight singing and formal analysis. Students will be asked to express their understanding through composition.



PHYSICAL AND HEALTH EDUCATION

All Brainerd High School students are required to take Health, Wellness and Fitness. In addition, students must take an additional credit in a Physical Education or Health Course. Students may take additional courses as elective credits.

A maximum of one physical education course per semester.

INTRODUCTORY COURSES

HEALTH, WELLNESS AND FITNESS

Course Number: 151100

Grade Level: 9, 10, 11, 12

Credits: 1

This is a one-semester course required for all students. The health topics include the following areas; nutrition, CPR, drug use and abuse, physical fitness, self-esteem, stress, depression, suicide prevention, reproductive health, healthy and unhealthy coping skills, and relationships. Students will apply a decision making model to help make choices regarding health issues. This course will also include strength and cardiovascular training components and a variety of game activities.

HEALTH, WELLNESS AND FITNESS - ONLINE

Course Number: 155100

Grade Level: 9, 10, 11, 12

Credits: 1

This online course includes the same material as the in-person course and is best suited for self-motivated, disciplined students who have well-established time management skills.

SPORTS AND FITNESS I

Course Number: 151101

Grade Level: 9, 10, 11, 12

Credits: 1

This beginning level class is for the student who wants to learn and get involved in games and activities. This course will encourage students to learn the rules, practice the skills, and develop overall physical fitness through a variety of activities. Underlying all of our activities is the general concept that students will gain a better understanding of lifetime fitness and how to apply it now and in the future.

STRENGTH AND CONDITIONING I

Course Number: 151103

Grade Level: 9, 10, 11, 12

Credits: 1

This class is a beginning level class designed with an emphasis on understanding the importance of strength development for both athletics and lifetime fitness. Student will be working out in the high school weight room up to four days with our non-workout days used for gym activities. The strength you will gain in this course will allow you to jump higher, run faster, and be more explosive in your movement.

STRENGTH AND CONDITIONING FOR FEMALES I

Course Number: 151106

Grade Level: 9, 10, 11, 12

Credits: 1

This course is designed for females with an emphasis on understanding the importance of strength development for both athletics and lifetime fitness. In this class, students will be involved in weight lifting along with styles of workouts to improve strength and gain knowledge for their lives. Students may repeat this course.



INTERMEDIATE COURSES

AQUATIC SPORTS AND FITNESS

Course Number: 151108

Grade Level: 10, 11, 12

Credits: 1

Prerequisite: Health, Wellness, and Fitness

Students will work on the fundamentals of swimming technique that fits the ability of the individual student. Activities may include, but are not limited to, water polo, basketball volleyball, diving contests and more. Classes will be in the pool 3-4 days a week, the other days will be spent participating in other fitness and game activities. Students may repeat this course.

LIFETIME FITNESS

Course Number: 151109

Grade Level: 10, 11, 12

Credits: 1

Prerequisite: Health, Wellness, and Fitness

This course is designed for the student who is looking for an alternative course to improve their fitness level and become healthier. Students will learn how to set a personal fitness plan and write a personal fitness goal for the semester. Students will participate in and enjoy a variety of fitness activities in a non-competitive setting. Activities may include but are not limited to, walking, biking, Pilates, yoga, Frisbee golf, and strength and flexibility training. Students may repeat this course.

SPORTS AND FITNESS II

Course Number: 151102

Grade Level: 10, 11, 12

Credits: 1

Prerequisite: Health, Wellness, and Fitness & Sports and Fitness I

This advanced level course is for the student who wants to actively participate in games and activities in a more competitive setting. The games and activities in this course will help students develop and improve their personal fitness levels. Underlying all of our activities is the general concept that students will gain a better understanding of lifetime fitness and how to apply it now and in the future. Students may repeat this course.

STRENGTH AND CONDITIONING II

Course Number: 151104

Grade Level: 10, 11, 12

Credits: 1

Prerequisite: Health, Wellness, and Fitness & Strength and Conditioning I

This course is designed to improve overall body strength, flexibility, and cardiovascular fitness. Students will design and implement a personal strength program and learn about the principles necessary to improve strength and conditioning.

YOGA I

Course Number: 151202

Grade Level: 11, 12

Credits: 1

Prerequisite: Health, Wellness and Fitness

Lifetime skills such as stress management, and relaxation will be introduced in this course. Students will be introduced to the practice of Yoga, through stretching and breathing techniques. Students will also work on basic fitness and body strength to enhance the yoga practice. Students may repeat this course.

ADVANCED COURSES

ADVENTURE AND CHALLENGE

Course Number: 151201

Grade Level: 11, 12

Credits: 1

Prerequisite: Health, Wellness, and Fitness

This course will include activities that will help develop team building, problem solving, and trust. Activities will include icebreakers, initiative challenges, and trust building activities. More advanced activities will include canoeing and kayaking, indoor sport climbing, and high ropes course. Students may repeat this course.



FITNESS TRIATHLON

Course Number: 151200

Grade Level: 11, 12

Credits: 1

Prerequisite: Health, Wellness, and Fitness

This course stresses physical fitness training through running, bicycling, swimming, strength training, and a variety of additional fitness activities. The course will conclude with a competition that includes distance swim, bicycle race, and distance run. This course will be offered in the Spring. Students may repeat this course.

STRENGTH AND CONDITIONING III

Course Number: 151105

Grade Level: 10, 11, 12

Credits: 1

Prerequisite: Health, Wellness, and Fitness & Strength and Conditioning II

This is an advanced level class for students who want to continue to develop the total body fitness. Students will have the opportunity to learn and use high level lifting techniques and strength activities. Student athletes may use this course to strengthen for their particular sport. Students may repeat this course.

HEALTH EDUCATION ELECTIVES

HUMAN BIOLOGY AND CIS HUMAN BIOLOGY A & B

Course Number: 161304, 161305

Grade Level: 11, 12

Credits: 2

Yearlong Course

Additional Credit Option: CLC BIOL 1404 – 3 credits

Prerequisite: Biology

Required: Accuplacer score of 237 in reading

This course introduces the structure and function of the human body. Topics include the following body systems: Integumentary, digestive, cardiovascular, lymphatic, respiratory, excretory, skeletal, muscular, nervous, endocrine, and reproductive. Laboratory sessions will include dissection.

Note: Students will have the option of concurrently enrolling in CIS Medical Terminology Independent Study.



CIS MEDICAL TERMINOLOGY INDEPENDENT STUDY

Course Number: 161314

Grade Level: 11, 12

Credits: 1

Additional Credit Option: CLC HINS 1360 - 3 credits

Additional Credit Option: Articulated College Credit from CLC

Prerequisite: Biology or AP Biology

Required: Accuplacer score of 237 in reading

Students will learn to identify medical terminology from key word parts. This course includes word analysis by study of root words, prefixes, suffixes, and abbreviations common to the medical profession.

Note: Medical Terminology requires completion of coursework and tests outside of class time.



BY ACADEMIC PLACEMENT ONLY

UNIFIED PHYSICAL EDUCATION A & B

Course Number: 152104, 152105

Grade Level: 9, 10, 11, 12

Credits: 1 per semester

For those students with an IEP that have qualified through motor testing and approved Unified Partners. This course combines students of all abilities to participate in developmentally appropriate activities including lifetime activities, physical fitness, and sport. Students will work together to increase competence and confidence in a variety of physical activities. Through ongoing leadership opportunities, members of this course will be empowered to help create a more inclusive and accepting school environment for all students.



SCIENCE EDUCATION

REQUIREMENTS:

- 6 Science credits in grades 9-12 (Some Agricultural Science and Engineering courses apply as elective science credits)
- MN Graduation Rule: Meet all MN State Science Standards* and the following credits: 1 full year (2 credits) Biology and 1 full year (2 credits) of Chemistry or Physics (*Students must take either Physical Science 9 -or- a year of Chemistry AND a year of Physics to meet all state science standards)

HONORS SEQUENCE:

- Students must also be enrolled in advanced math courses
- Required to take Biology, Chemistry, and Physics to fulfill MN Graduation Rule

REQUIRED COURSES

BIOLOGY INTENSIVE A & B

Course Number: 161102, 161103

Grade Level: 9

Credits: 2

Yearlong Course

Required: Concurrent enrollment in Geometry Intensive

This course is an introduction to biology and living organisms. Topics include biochemistry, cells, mitosis, genetics, DNA, protein synthesis, evolution, biodiversity, and ecology. Lab investigations will give students the opportunity to apply the tools, techniques, and methods used by biologists. This course will move at a faster pace and include more rigor.

Note: Students enrolled in this course must complete both one year of chemistry and one year of physics in grades 10-12 to meet MN graduation standards.

BIOLOGY A & B

Course Number: 161200, 161201

Grade Level: 10, 11, 12

Credits: 2

Yearlong Course

This course is an introduction to biology and living organisms. Topics include biochemistry, cells, mitosis, genetics, DNA, protein synthesis, evolution, biotechnology, biodiversity, and ecology. Lab investigations will give students the opportunity to apply the tools, techniques, and methods used by biologists.

PHYSICAL SCIENCE A & B

Course Number: 161100, 161101

Grade Level: 9

Credits: 2

Yearlong Course

This course introduces both chemistry and physics with an emphasis on concepts such as atomic structure, chemical reactions, nuclear chemistry, forces and motion, energy, magnetism and electricity. All content areas will contain a lab-oriented inquiry approach to help develop problem-solving techniques.



ELECTIVE COURSES

CIS BIOLOGICAL ENGINEERING

Course Number: 161206

Grade Level: 10, 11, 12

Credit: 1

Additional Credit Option: Must take Chemical Engineering in the spring: St. Cloud State University - 3 credits

Prerequisite: Biology

Recommended: CIS Intro to Engineering Design

Students will explore how biological engineering contributes to feeding a growing human population by increasing nutritional content in staple food crops, eliminating the need for pesticides and herbicides, and creating drought and frost resistant crops. Students will test foods for the presence of GMO's, manipulate DNA, conduct PCR and gel electrophoresis, engineer their own plasmid, transform bacteria, clone a gene, and more. This course is PLTW Environmental Sustainability.



CIS CHEMICAL ENGINEERING

Course Number: 161208

Grade Level: 10, 11, 12

Credit: 1

Additional Credit Option: Must take Biological Engineering in the fall: St. Cloud State University - 3 credits

Prerequisite: Biology

Recommended: CIS Intro to Engineering Design

Students will explore how chemical engineering techniques will improve global access to clean water and renewable fuel sources. Students will design and build a water filter and test water for various contaminants. Students will make various biofuels including biodiesel and analyze how biofuels from renewable sources like algae and yeast can reduce the amount of greenhouse gases in the atmosphere. This course is PLTW Environmental Sustainability.



CHEMISTRY A & B

Course Number: 161202, 161203

Grade Level: 10, 11, 12

Credits: 2

Prerequisite: Biology

Required: Concurrent enrollment in Advanced Algebra

Yearlong Course

Students will explore matter and energy and how they interact and change within our universe. Topics include atoms, molecules, the periodic table, ionic and covalent bonding, chemical reactions, stoichiometry, acids and bases, gases, solutions, and equilibrium. The course includes lecture, discussion, mathematical problem solving, and a significant laboratory component.

CHEMISTRY A & B - ONLINE

Course Number: 165202, 165203

Grade Level: 10, 11, 12

Credits: 2

Prerequisite: Biology

Required: Concurrent enrollment in Advanced Algebra

This online course includes the same material as the in-person course and is best suited for self-motivated, disciplined students who have well-established time management skills.

Yearlong Course

INTRODUCTION TO ENVIRONMENTAL SCIENCE

Course Number: 161300

Grade Level: 11, 12

Credits: 1

Prerequisite: Biology

This course is an introduction to environmental science and explores the topics of Minnesota ecology and populations as well as current local and global environmental issues. Students will participate in field studies, projects, and labs. This course is intended for learners of all levels.

ENVIRONMENTAL SCIENCE

Course Number: 161301

Grade Level: 11, 12

Credits: 1

Prerequisite: Biology

This course investigates the environmental impact of humans. Topics will include human population growth and the impacts on air, land, water and mineral resources with a focus on energy resources, pollution, human health and policy use. The environmental impacts of catastrophic events such as hurricanes, tornadoes, floods, and fires will be discussed and aquatic studies will be conducted in the spring. This course is intended for learners of all levels.

HUMAN BIOLOGY AND CIS HUMAN BIOLOGY A & B

Course Number: 161304, 161305

Grade Level: 11, 12

Credits: 2

Additional Credit Option: CLC BIOL 1404 – 3 credits

Prerequisite: Biology

Required: Accuplacer score of 237 in reading

This course introduces the structure and function of the human body. Topics include the following body systems: Integumentary, digestive, cardiovascular, lymphatic, respiratory, excretory, skeletal, muscular, nervous, endocrine, and reproductive. Laboratory sessions will include dissection. **Note: Students will have the option of concurrently enrolling in CIS Medical Terminology Independent Study.**



Yearlong Course

PHYSICS A & B

Course Number: 161306, 161307

Grade Level: 11, 12

Credits: 2

Yearlong Course

Prerequisite: Biology & Advanced Algebra

Recommended: Students have earned a "C" or higher in Advanced Algebra

Students will explore physics through the lens of scientific and mathematical models. The following models will be experienced during fall and spring semester: constant velocity, uniform acceleration, balanced force, unbalanced force, 2D force, central net force, energy storage and transfer, impulsive force, oscillating particles, and mechanical waves.

PHYSICS A & B – ONLINE

Course Number: 165306, 165307

Grade Level: 11, 12

Credits 2

Yearlong Course

Prerequisite: Biology & Advanced Algebra

Recommended: Students have earned a "C" or higher in Advanced Algebra.

In this online course, students will have the flexibility to complete course content online when and wherever it works best with their schedule. Content is released weekly with remote and in-person teacher support. This course includes the same course content and pacing as the in-person physics course. Online courses are best suited for self-motivated students who have well-established time management skills. Please see Physics A & B for full course description.

NEW

WILDLIFE FORENSICS

Course Number: 161308

Grade Level: 11, 12

Credits: 1

Prerequisite: Biology

This course introduces students to the growing field of wildlife forensics. Students will apply principles of science to collecting, analyzing, and interpreting evidence dealing with the protection and conservation of wildlife. Students will study topics in taxonomy, anatomy, wildlife identification, forensic techniques, as well as laws protecting wildlife resources.

ADVANCED COURSES

AP BIOLOGY A & B

Course Numbers: 161204, 161205

Grade Level: 10, 11, 12

Credits: 2

Yearlong Course

Prerequisite: Biology and Chemistry, or concurrent enrollment

This is a college-level introductory biology course with extensive laboratory work. AP Biology-A topics include chemistry of life, cells, cellular energetics, cell communication, cell cycle, and heredity. AP Biology-B topics include gene expression and regulation, natural selection, and ecology. Students will take the AP Biology exam in May.



AP CHEMISTRY A & B

Course Number: 161309, 161310

Grade Level: 11, 12

Credits: 2

Yearlong Course

Prerequisite: Chemistry and Advanced Algebra

This is a college level introductory course. AP Chemistry-A Topics include, atomic structure, states of matter, and reactions of aqueous solutions, bonding, and kinetics. AP Chemistry-B topics include equilibrium of gaseous and aqueous systems, acid-base chemistry and equilibrium, thermochemistry, and electrochemistry. The course includes significant laboratory work. Students will take the AP chemistry exam in May.



CIS ENVIRONMENTAL SCIENCE

Course Number: 161302

Grade Level: 11, 12

Credits: 1

Prerequisite: Biology

This course provides an overview of environmental studies as an interdisciplinary academic field which includes the past, present and future human environments. The course will include environmental issues such as water, waste, agriculture, food, energy, climate-change, biodiversity loss, and industrial pollution.



AP/CIS PHYSICS A & B

Course Number: 161311, 161312

Grade Level: 11, 12

Credits: 2

Yearlong Course

Prerequisite: Biology and Advanced Algebra

Recommended: Students have earned a "C" or higher in Advanced Algebra

Includes an algebra-based, introductory college level physics sequence to support future advanced course work in the sciences. Through inquiry-based learning, students will develop critical thinking, and reasoning skills. Students will cultivate their understanding of physics and science practices as they explore: kinematics, dynamics, Newton's Laws, circular motion and universal law of gravitation, simple harmonic motion: simple pendulum and mass-spring systems, impulse, linear momentum, collisions, work, energy, rotational motion, rotational kinematics and energy, rotational dynamics, and conservation of angular momentum, electrostatics, DC circuits, and mechanical waves.



SOCIAL STUDIES EDUCATION

The Social Studies requirements are to complete 7 credits over the course of four years. Students graduating from BHS are required to take coursework in Geography, World History, American History, Economics, and American Government. In addition, the Social Studies Department offers a variety of elective offerings for students. The department offers college level Advanced Placement classes for students who want more rigorous coursework. These courses provide the potential to earn college credits by passing the Advanced Placement Exam, which takes place during the first two weeks of May.

REQUIRED COURSES

WORLD GEOGRAPHY

Course Number: 171100

Grade Level: 9

Credits: 1

This course employs several approaches and technologies to describe the distribution of people and activities across the Earth, to explain reasons underlying the observed distribution, and to understand the significance of the arrangements. In this course, students will look for similarities and differences in the cultural features at different places, the reasons for their distribution, and the importance of these differences.

Note: Students can replace this course with AP Human Geography.

WORLD HISTORY A & B

Course Number: 171200, 171201

Grade Level: 10

Credits: 2

Yearlong Course

This course will include the beginnings of human history, early civilizations, giant empires, expanding zones of exchange, the age of revolutions, a half century of crisis and achievement, the world after World War II, and the new global era. Major themes of world history shall be explored including world cultures, economic and political systems, as well as the process of state building and the creation of social structures.

Note: Students can replace this course with AP World History.

WORLD HISTORY A & B - ONLINE

Course Number: 175200, 175201

Grade Level: 10

Credits: 2

Yearlong Course

This online course includes the same material as the in-person course and is best suited for self-motivated, disciplined students who have well-established time management skills.

AMERICAN HISTORY A & B

Course Number: 171300, 171301

Grade Level: 11

Credits: 2

Yearlong Course

This course will include the following topics and time periods; colonization, the American Revolution, the development of the Constitution, territorial expansion, the Civil War and Reconstruction, Native American relations with the US

government, industrialization, the emergence of modern America and World War I, the Great Depression and New Deal, World War II, and postwar United States to the present, including the Cold War, the Baby Boom Society, Civil Rights movement, and the 1970's to the present.

Note: Students can replace this course with AP US History

AMERICAN HISTORY A & B - BLENDED

Course Numbers: 173300, 173301

Grade Level: 11

Credits: 2

This course includes the same material as the in-person course. However, this blended/hybrid course will be taught through a combination of in class learning periods and out of class "online" learning. Students will be expected to attend scheduled class periods and complete scheduled assigned activities and readings online. The teacher will be available to meet with students during "online" class periods. The goal of a blended/hybrid course is to create a flexible schedule for the student but also provide face-to-face instructional support and feedback.

AMERICAN HISTORY A & B - ONLINE

Course Number: 175300, 175301

Grade Level: 11

Credits: 2

Yearlong Course

This online course includes the same material as the in-person course and is best suited for self-motivated, disciplined students who have well-established time management skills.

AMERICAN GOVERNMENT

Course Number: 171400

Grade Level: 12

Credits: 1

This course provides an understanding of the U.S. constitution. The course will also examine the executive, legislative, and judicial branches as well as the two party systems, the electoral process, and the role of interest groups. In addition, issues at the state and local level will be surveyed.

AMERICAN GOVERNMENT – ONLINE

Course Number: 175400

Grade Level: 12

Credits: 1

This online course includes the same material as the in-person course and is best suited for self-motivated, disciplined students who have well-established time management skills.

ECONOMICS

Course Number: 171401

Credits: 1

Grade Level: 12

This course is designed to provide students with the analytical skills to evaluate issues in global, national, and personal economics. The course will also focus on developing an understanding of personal finance, life skills and lessons that students will be able to use throughout their lives.

ECONOMICS - ONLINE

Course Number: 175401

Credits: 1

Grade Level: 12

This online course includes the same material as the in-person course and is best suited for self-motivated, disciplined students who have well-established time management skills.

ELECTIVE COURSES

CRIMINAL JUSTICE

Course Number: 171206

Grade Level: 10, 11, 12

Credits: 1

This course gives students the practical knowledge and familiarity with the workings of the Criminal Justice System. The nature and impact of crime is explored, and includes an overview of the Criminal Justice System, law enforcement, the court systems, trial processes, and the corrections and penal systems. This course will include a project of student choice with instructor approval.

PSYCHOLOGY

Course Number: 171207

Grade Level: 10, 11, 12

Credits: 1

This course will include study of the methods of and approaches to psychology, neurobiology and behavior, sensation and perception, learning and memory, human development, emotions, motivation, states of awareness, personality, and relationships. The course will include a research paper and presentation.

SOCIOLOGY

Course Number: 171208

Grade Level: 10, 11, 12

Credits: 1

Sociology studies how human thought and our life experiences, parents, peers, school, and mass media shape behaviors. Course topics include exploring cultural differences, the impact of music/mass media, cults, countercultures, deviance, drugs, prison, and racial issues. Expect numerous films, discussions, and open-ended projects.

ADVANCED COURSES

AP HUMAN GEOGRAPHY A & B

Course Number: 171101, 171102

Grade Level: 9

Credits: 2

Yearlong Course

Recommended: grade level proficiency in STAR reading and MCA assessments

The purpose of this course is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of earth's surface. Topics of study will include geography's nature and perspectives, population, cultural patterns and processes, political organization of space, agricultural and rural land use,

industrialization and economic development, and cities and urban land use.

AP WORLD HISTORY: MODERN A & B

Course Number: 171202, 171203

Grade Level: 10

Credits: 2

Yearlong Course

This college-level course is designed to explore human history from 1200 to the present and explores the major themes of world history, including people's interaction with the environment, cultures, state-building, economic systems, and social structures. There is an emphasis on the development of analytical and writing skills necessary for success at the collegiate level.

AP US HISTORY A & B

Course Number: 171302, 171303

Grade Level: 11

Credits: 2

Yearlong Course

This course resembles the survey course experienced by the freshman and sophomore levels in college. During the year students examine the growth of the American republic from early exploration and colonization through issues of the 20th Century.

AP AMERICAN GOVERNMENT

Course Number: 171304

Grade Level: 11, 12

Credits: 1

This course will require an intensive look at the constitutional underpinnings of American government; the political beliefs and behaviors of citizens, political parties, and interest groups; the institutions and policy processes of the national government; and the status and development of civil rights and civil liberties.

AP PSYCHOLOGY

Course Number: 171305

Grade Level: 11, 12

Credits: 1

A survey course that provides students a systematic and scientific study of human behavior and mental processes. Students will study the psychological facts, principles, and phenomena associated with the major approaches to psychology. Psychological research methods and statistical analysis will also be reviewed.

Students can earn both high school and college credit through CIS courses. If a student is planning to take a CIS course that is through Central Lakes College, the student must apply to Central Lakes College.

VISUAL ARTS EDUCATION

Visual art courses provide students with opportunities to explore their own creativity, innovation, problem-solving skills, and learn how art is used in everyday life. Art teaches students how to become self-directed learners through the use of creative process, reflection, and exploration of different art mediums and techniques. The Art Department's goal is to help students find themselves as an artist, value different art styles, appreciate arts simplicity and complexity, and to instill artistic confidence within each student.

Note: Graduation requirements in the arts area are as follows: 2 visual arts credits in grades 9 – 12.

Note: All courses fulfill Art Requirement.

INTRODUCTORY COURSES

INTRODUCTION TO VISUAL ARTS

Course Number: 121500

Grade Level: 9, 10, 11, 12

Credits: 1

Students will learn and demonstrate understanding of the elements and principles of design, color theory, as well as a variety of methods, techniques, and art materials. Students will learn to analyze realistic, abstract, and non-objective artworks and to use a variety of styles to express themselves. Students will create art in different areas including drawing, painting, and printmaking. This course is recommended as preparation for more specialized or advanced art courses and/or for students who have had limited visual art opportunities in the last few years of education.

ARTIST'S BOOKS I

Course Number: 121520

Grade Level: 10, 11, 12

Credits: 1

Students will learn how to create handmade books by assembling unique papers through folding, stitching, or gluing. Students will also learn to express themselves through image and words, while experimenting with different types of paints, pens, markers, and mixed media. Many book structures will be explored, such as the accordion book, Japanese stab-binding book, flutter-book, sculpture fold-out book, and a signature-sewn book. Build your confidence as you develop your skills and creativity.

DECOY DESIGN I

Course Number: 121524

Grade Level: 10, 11, 12

Credits: 1

This course is an introduction to the history of dark house spearing in Minnesota and how it has evolved into folk art. Students will learn and demonstrate understanding of the elements and principles of design, color theory, as well as a variety of methods, techniques, and art materials. Emphasis is placed on designing and carving four to five different wooden fish decoys.



DIGITAL PHOTOGRAPHY

Course Number: 121530

Grade Level: 10, 11, 12

Credits: 1

Additional Credit Option: Articulated College Credit from CLC

In this course, students will learn how to use digital cameras in both automatic and manual modes. Students will learn how to manipulate images using a computer in programs like Photoshop. Highly self-motivated individuals looking at photography for career or hobby pursuits are encouraged to sign-up. Students will also create a portfolio of their photography, showing off various skills learned within the course. Students may repeat this course.

Note: Students should bring their own camera if they have one, but it is not required.



DRAWING

Course Number: 121522

Grade Level: 10, 11, 12

Credits: 1

Prerequisite: Intro to Visual Arts

This course is an introduction to Drawing. The course includes one and two-point perspective, the elements and principles of design, composition formats, drawing and shading techniques, and the exploration of a variety of media at a beginner's level. Students will also be introduced to the creative process step-by-step and learn a 4-step critical thinking model for analyzing a work of art. Students may repeat this course.

GRAPHIC DESIGN

Course Number: 121531

Grade Level: 10, 11, 12

Credits: 1

This course offers students an exciting opportunity to develop relevant abilities in a variety of media arts techniques! In this course, students will investigate the fundamental artistic concepts of composition, color theory, and design as a basis for developing unique, digitally produced artwork. Through exploration of digital photography and photo editing software, students will gain relevant, industry-specific skills while exploring their own ideas and creativity. Students will also



explore web design and have the opportunity to create their own web site. Students may repeat this course.

POTTERY I

Course Number: 121528

Grade Level: 10, 11, 12

Credits: 1

This course teaches the basics of pottery art. Students will learn and understand hand building and wheel throwing methods in producing pottery. Students will also learn and understand form, function and decoration as it pertains to pottery. Various decorative and glazing techniques will also be taught. Students will research the work of significant potters and cultures.

VIDEO GAME DESIGN I

Course Number: 121501

Credits: 1

Grade Level: 9, 10, 11, 12

This introductory level course engages students with project-based learning. This course will take you from using simple "drag-n-drop" programming to actually writing code and developing original computer games! Students will begin to build real working games very quickly. During the projects, students will learn the math and physics concepts used in game development, how the engineering design cycle is used to plan game ideas, the components of a good game, how to create sprites, and so much more.

VIDEO GAME DESIGN I - BLENDED

Course Number: 123501

Credits: 1

Grade Level: 9, 10, 11, 12

This course includes the same material as the in-person course. However, this blended/hybrid course will be taught through a combination of in class learning periods and out of class "online" learning. Students will be expected to attend scheduled class periods and complete scheduled assigned activities and readings online. The teacher will be available to meet with students during "online" class periods. The goal of a blended/hybrid course is to create a flexible schedule for the student but also provide face to face instructional support and feedback.

VIDEO GAME DESIGN I - ONLINE

Course Number: 125501

Credits: 1

Grade Level: 9, 10, 11, 12

This online course includes the same material as the in-person course and is best suited for self-motivated, disciplined students who have well-established time management skills.

VIDEO PRODUCTION I

Course Number: 121503

Grade Level: 9, 10, 11, 12

Credits: 1

Course study will consist of several areas of video production. The primary emphasis will focus on, video camera operation, video composition, storyboarding and, video editing. Course

work will include numerous hands-on individual and group projects. This course is required for the Bridges Career Academy in Video Productions.

YEARBOOK A & B

Course Numbers: 121504, 121505

Grade Level: 9, 10, 11, 12

Credits: 2

Yearlong Course

Required: Complete an application and Yearbook Advisor approval.

This course is for serious students who want to design and publish a quality high school yearbook. Students with a background or interest in desktop publishing, computer based design, photography, or journalistic writing are highly encouraged to join. High quality work, excellent people skills, and group collaboration are essential to a successful Yearbook staff member. Deadlines are set by publisher and must be met on time. Yearbook staff are also required to attend at least three events outside the school day, preparing for deadlines, selling ads, and/or taking photographs. Students are able to sign up for events well in advance. Students may repeat this course.



INTERMEDIATE COURSES

ARTIST'S BOOKS II

Course Number: 121521

Grade Level: 10, 11, 12

Credits: 1

Prerequisite: Artist's Books I

This course is for serious artist book students who are motivated to create book structures in a self-directed fashion. Students will be required to complete varying book structures throughout the semester, considering the content and theme of each book. Books will be more complex with neatness and precision of craft expected. Students may repeat this course.

DECOY DESIGN II

Course Number: 121525

Grade Level: 10, 11, 12

Credits: 1

Prerequisite: Decoy Design I

Students will learn to carve for extreme realism and likeness to specie. Those enrolled in the course will be required to enter at least one decoy competition. Emphasis will be placed on advanced detailing and painting techniques. Students may repeat this course.

PAINTING

Course Number: 121526

Grade Level: 10, 11, 12

Credits: 1

Prerequisite: Intro to Visual Arts

This is a beginning painting course in which students will explore many paint mediums from acrylics, watercolors, inks, oil pastels, and mixed media. This course will build on foundational skills learned including the elements and principles of design, along with observational drawing skills and color theory. The student's individual interests are reflected in the painting



subject matter used. Build your confidence as you develop your skills and creativity. Students may repeat this course.



POTTERY II

Course Number: 121529

Grade Level: 10, 11, 12

Credits: 1

Prerequisite: Pottery I

This course is intended for serious pottery students who want to refine their skills of wheelwork and hand building techniques. An expectation of this course is for students to keep a pottery journal, and research the work of past and present significant potters. Students may repeat this course.

VIDEO GAME DESIGN II

Course Number: 121502

Grade Level: 9, 10, 11, 12

Credits: 1

Prerequisite: Video Game Design I

This course expands on the technical skills and knowledge students gained in Video Design I and focuses more on original and creative work, while simultaneously increasing focus on team collaboration. In which students will create two games. A majority of the course is spent designing and developing original games in collaborative groups.

VIDEO PRODUCTION II

Course Number: 121533

Grade Level: 10, 11, 12

Credits: 1

Additional Credit Option: Articulated College Credit from CLC

Prerequisite: Video Production I

This course will utilize and build upon the skills that were learned in Video Production I. It is designed to provide students with the advanced knowledge and skills related to video production, with an emphasis on television news. Students will increase their knowledge of camera operations, recording audio, video editing workflow, graphics, news writing and studio production to produce a weekly news program. Students will also produce commercials and other videos as needed. Students may repeat this course.



ADVANCED COURSES

ART PORTFOLIO

Course Number: 121532

Grade Level: 10, 11, 12

Credits: 1

Required: Complete a Visual Arts Application and teacher approval

This course is designed for serious, self-directed and motivated art students who wish to expand their knowledge in the visual arts. Studio experiences include drawing, painting and mixed media art with attention to creative process, observational skills, composition and critique. Students will demonstrate progress over time by developing a body of work, writing an artist statement and organizing a portfolio. High standards for quality and productivity will be emphasized. The portfolio will assist students in preparing for college admission and careers in the visual arts. Students may repeat this course.

VIDEO GAME DESIGN III

Course Number: 121506

Grade Level: 10, 11, 12

Credits: 1

Prerequisite: Video Game Design II

This advanced course is for students who have passed Game Design I and II. Students taking this course will have the opportunity to design and create their own game projects for the entire semester. Students must be self-motivated and have the ability to create games through research and exploration without pre-made instructions. Students can choose to work on one large project, or several smaller projects throughout the semester. This course is repeatable and students may continue working on larger projects over multiple semesters.



VIDEO PRODUCTION III

Course Number: 121534

Grade Level: 10, 11, 12

Credits: 1

Prerequisite: Video Production II

This is an independent study course for students who are serious about advancing their video production skills and exploring potential careers in video. Students need to be motivated and reliable, as they will be working independently on a variety of projects. Students will have the opportunity to “specialize” in areas they feel strongly about. A final portfolio is required. Students may repeat this course.





College credit courses are identified throughout the catalog with the college symbol.

WORLD LANGUAGE EDUCATION

Spanish and American Sign Language are offered at Brainerd High School as yearlong, second language courses. Many colleges have an entrance requirement; most recommend two consecutive years of successful high school language study. Check with the colleges in which you are interested to review their specific entrance and exit requirements. Juniors and seniors in Spanish Year III or higher may have the opportunity to participate (at their own expense) in a trip abroad, including a family stay in a Spanish-speaking country.

AMERICAN SIGN LANGUAGE (ASL) COURSES

AMERICAN SIGN LANGUAGE I A & B

Course Number: 131512, 131513

Grade Level: 9, 10, 11, 12

Credits: 2

Yearlong Course

Recommended: 2.75 GPA

Students will learn essential building blocks for ASL Communication and the basic difference linguistically between English and ASL. They will present information, be able to describe content and communicate ideas in ASL. The coursework includes; receptive and expressive activities, expressive video projects, self-evaluation of video projects, vocabulary development, grammar/facial expression, sentence structure, fingerspelling, conversational behaviors and awareness of Deaf culture. This is an advantageous course in any career path you decide to follow such as, medical, law enforcement or interpretation.

AMERICAN SIGN LANGUAGE I A & B - ONLINE

Course Number: 135512, 135513

Grade Level: 9, 10, 11, 12

Credits: 2

Yearlong Course

Recommended: 2.75 GPA

This online course includes the same material as the in-person course and is best suited for self-motivated, disciplined students who have well-established time management skills.

AMERICAN SIGN LANGUAGE II A & B

Course Number: 131522, 131523

Grade Level: 10, 11, 12

Credits: 2

Yearlong Course

Prerequisite: American Sign Language I

Students will build on their ASL 1 Foundation by increased rigor with exposure to a variety of topics and situations. The coursework includes receptive and expressive activities, expressive video projects, self-evaluation of video projects, vocabulary expansion, a greater in-depth learning of culturally navigating everyday encounters, and using ASL outside the classroom to participate in Deaf community events.

AMERICAN SIGN LANGUAGE II A & B - ONLINE

Course Number: 135522, 135523

Grade Level: 10, 11, 12

NEW

Credits: 2

Yearlong Course

Prerequisite: American Sign Language I

In this online course, students will have the flexibility to complete course content online when and wherever it works best with their schedule. Content is released weekly with remote and in-person teacher support. This course includes the same course content and pacing as the in-person American Sign Language course. Online courses are best suited for self-motivated students who have well-established time management skills. Please see American Sign Language II A B for full course description.

SPANISH COURSES

SPANISH I A & B

Course Number: 131510, 131511

Grade Level: 9, 10, 11, 12

Credits: 2

Yearlong Course

Recommended: 2.75 GPA

First year language is designed to develop essential skills in the areas of conversation, writing, and reading. Emphasis is on understanding and responding in the target language. Grammatical structures studied provide the necessary foundation for continued study. Cultural study is included to enrich the overall understanding of the language.



SPANISH II A & B

Course Number: 131520, 131521

Grade Level: 10, 11, 12

Credits: 2

Yearlong Course

Prerequisite: Spanish I

Recommended: "C" average or above in Spanish I

Students are able to use their knowledge of the language largely by expanding and improving their communication. Skills learned in the first year are increased with emphasis that is more grammatical. Supplementary materials are used to facilitate learning and enhance cultural insights.

SPANISH III AND CIS SPANISH III A & B

Course Numbers 131530, 131531

Grade Level: 11, 12

Credits: 2

Yearlong Course

Additional Credit Option: CLC SPAN 2401 - 3 credits

Prerequisite: Spanish II

Required: Accuplacer score of 237 in reading

Recommended: "C" average or above in Spanish II

Third year Spanish gives the student the opportunity to refine the skills they have already developed and through advanced grammar study, short readings, oral skill practice, and cultural studies, the third year student begins to reach limited proficiency in the target language.



ADDITIONAL PROGRAMS & COURSES

Please review the courses below to determine if any may be of interest to you or could provide the academic support you need during the school day.

INTRODUCTION TO EDUCATION

Course Number: 490002

Grade Level: 11, 12

Credits: 1

Additional Credit Option: St. Cloud State University – 3 credits

Prerequisite: Juniors GPA 3.0, Seniors GPA 2.5 or teacher recommendation

This course will address a wide variety of topics and experiences to help you delve into the professional world of teaching. In this online concurrent enrollment class, we will reflect on the history of the field of education and examine pressing issues in today's public schools, particularly issues of equity and social justice. You will learn about what makes an effective teacher and how to develop and implement a great lesson. There will also be an opportunity to work in a classroom, experiencing what it's like to be a teacher today. Course is online with cohort synchronous sessions approximately every two or three weeks.



SPANISH IV A & B

Course Number: 131540, 131541

Grade Level: 12

Credits: 2

Yearlong Course

Prerequisite: Spanish III

Recommended: "C" average or above in Spanish III

The fourth year and the Advanced Placement courses are combined. Students will continue to improve all aspects of language learning, listening, speaking, reading, and writing. Class discussions, literature, writings, history, and culture offer the basis for vocabulary, speaking, and grammar lessons. Regular oral and written assignments are required.

AP SPANISH A & B

Course Number: 131542, 131543

Grade Level: 12

Credits: 2

Yearlong Course

Prerequisite: Spanish III

Recommended: "C" average or above in Spanish III

The fourth year and the Advanced Placement courses are combined. Students will continue to improve all aspects of language learning, listening, speaking, reading, and writing. Class discussions, literature, writings, history, and culture offer the basis for vocabulary, speaking, and grammar lessons. Regular oral and written assignments are required. Assignments are more rigorous and more frequent for the AP students.



DEPARTMENT ASSISTANT A & B

Course Number: 101900, 101901

Areas and Grade Levels:

Student Services	9, 10, 11, 12
Student Success Center	9, 10, 11, 12
Media Center	10, 11, 12
Media Technology (IT helpdesk)	10, 11, 12
Agriculture Science	11, 12
Applied Technology	11, 12
Business Education	11, 12
Case Manager	11, 12
English Education	11, 12
Family and Consumer Science	11, 12
Mathematics Education	11, 12
Music Education - Band	11, 12
Music Education - Choir	11, 12
Music Education - Orchestra	11, 12
Physical Education and Health	11, 12
Adaptive Physical Education	11, 12
Science Education	11, 12
Social Studies Education	11, 12
World Language	11, 12

Credits: 0.5

Required: Complete a Department Assistant Form

Students who wish to be an assistant are required to fill out a Department Assistant Form. Forms must have a teacher/staff signature giving the student permission to be their assistant. The forms are available in the Student Success Center and must be submitted with the student's registration form. All assistants are graded "CR" credit or "NC" no credit based on attendance and work skills.



Bridges Career Academy courses are identified throughout the catalog with the Bridges apple symbol.

STUDENT MENTOR

Course Number: 192900

Grade Level: 11, 12

Credits: 1

Required: Teacher approval

Student assists teacher within the Social Skill courses. The focus of this course is to assist students in gaining and applying social skills needed for success. We are seeking mentors willing to learn, practice and reinforce social skills for student’s needs. Applications can be picked up in the Student Success Center.

POST SECONDARY ENROLLMENT OPTION – FULL TIME A & B

Course Number: 101300, 101301

Grade Level: 11, 12

Credits: Depends on the college course



Required: Juniors earning a cumulative 3.0 GPA, Seniors earning a cumulative 2.5 GPA

POST SECONDARY ENROLLMENT OPTION – PART TIME A & B

Course Number: 101302, 101303

Grade Level: 11, 12

Credits: Depends on the college course



Required: Juniors earning a cumulative 3.0 GPA, Seniors earning a cumulative 2.5 GPA

Note: Please refer to requirements on page in the College and Career Readiness section.

NONCREDIT OFFERINGS

STUDY CENTER A & B

Course Number: 101100, 101101

Grade Level: 9, 10, 11, 12

Credits: 0

This course will provide a time for structured study in order to complete assigned academic activities, prepare for a test/assessment, and/or get additional academic support for a class. Students are expected to manage their own work to complete and are expected to be self-motivated to use the time responsibly.

AP OPEN HOUR A & B

Course Number: 101020, 101021

Grade Level: 10

Credits: 0

Required: Must have 1 AP course and 1 Intensive in current semester

Students may register for a maximum of one AP open hour per semester only if credits toward graduation are complete.

OPEN HOUR

Course Number	A	B
1st hour	101001	101011
2nd hour	101002	101012
3rd hour	101003	101013
4th hour	101004	101014
5th hour	101005	101015
6th hour	101006	101016
7th hour	101007	101017

Grade Level: 11, 12

Credits: 0

Juniors may register for a maximum of one open hour per semester only if credits toward graduation are complete.

Seniors may register for a maximum of two open hours per semester only if credits toward graduation are complete.

During online registration, students can request the specific hour they want as an open hour. The request may not be granted contingent on other course requests and conflicts.

Note: If a student is at risk of academic failure of 1 or more credits, they will lose the privilege of an Open Hour and be placed in a Study Center until all course grades are improved to passing.

Note: Seniors and Juniors must take a minimum of 5 classes per semester.

Students can earn both high school and college credit through CIS courses. If a student is planning to take a CIS course that is through Central Lakes College, the student must apply to Central Lakes College.



BY ACADEMIC PLACEMENT ONLY

Criteria for Academic Placement Only courses: Data-supported record of low academic achievement over time (course failures, test scores, etc.).

Criteria for Academic Placement Only courses:

1. Documentation of a disability **OR**
2. Based on an IEP or Student Support Team decision

ENGLISH COURSES

ENGLISH 9 CONCEPTS A & B

Course Number: 111104, 111105

Grade Level: 9

Credits: 2

Yearlong Course

Through this course, students will practice and build upon their English skills, particularly their reading and writing skills. They will work to demonstrate an understanding of the writing process as well as close reading skills. Like other grade level classes, students will read and comprehend a variety of literature types. Students will also practice grammar and language skills.

ENGLISH 10 CONCEPTS A & B

Course Number: 111204, 111205

Grade Level: 10

Credits: 2

Yearlong Course

ENGLISH 11 CONCEPTS A & B

Course Number: 111302, 111303

Grade Level: 11

Credits: 2

Yearlong Course

ENGLISH 12 CONCEPTS

Course Number: 111401

Grade Level: 12

Credits: 2

ENGLISH SKILLS I A & B

Course Numbers: 112100, 112101

Grade Level: 9, 10

Credits: 1 per semester

Course curriculum will focus on reading fluency and comprehension of reading materials at students' instructional levels. Comprehension skills include literal comprehension, inference, main idea, summarizing and paraphrasing, author's purpose, context clues and analyzing plot. Varieties of materials are used including textbooks, short stories, poems, and novels. Standardized test taking skills and written language skills will also be taught. Case manager, based on students' individual reading levels, determines placement.

ENGLISH SKILLS II A & B

Course Number: 112302, 112303

Grade Level: 11, 12

Credits: 1 per semester

FUNDAMENTALS OF READING A & B

Course Number: 112102, 112103

Grade Level: 9, 10

Credits: 1 per semester

Course activities and strategies will focus on reading fluency and comprehension of reading materials at students' instructional levels. The course also focuses on inference, main idea, fact/opinion, author's purpose, context clues, setting, character, plot phases, paraphrasing and figurative language. Varieties of materials are used such as textbooks, novels, and short stories. Instruction in written language will also be taught. Case manager based on students' individual reading levels determines placement.

READING STRATEGIES A & B

Course Number: 112300, 112301

Grade Level: 11, 12

Credits: 1 per semester

READING LANGUAGE I A & B

Course Number: 112104, 112105

Grade Level: 9, 10

Credits: 1 per semester

Course curriculum will focus on reading fluency and comprehension of reading materials at students' instructional levels. Comprehension skills include literal comprehension, inference, main idea, plot summary, fact/opinion, author's purpose, context clues, paraphrase, and figurative language. The course uses a variety of materials such as textbooks, novels, and short stories. Instruction of written language will also be taught. Case manager, based on students' individual reading levels, determines placement.

READING LANGUAGE II A & B

Course Number: 112304, 112305

Grade Level: 11, 12

Credits: 1 per semester

READING SKILLS A & B

Course Number: 112106, 112107

Grade Level: 9, 10, 11, 12

Credits: 1 per semester

For those students needing intensive support in reading fluency and phonetics. Class curriculum, along with novels and fluency timings. Novels may include large group work, individual work and literature circles. Students will be required to complete written responses to certain chapters.



MATHEMATICS COURSES

INTERMEDIATE ALGEBRA RTI A & B

Course Number: 141112, 141113

Grade Level: 9

Credits: 2

Yearlong Course

An intervention class that directly supports Intermediate Algebra and the foundational skills needed to be successful in high school mathematics. Students will receive additional support to achieve grade level standards, spiraled review of essential skills, and direct instruction on priority standards. Students enrolled will need to meet certain criteria requirements including a specific MCA score range, previous classroom grades (academic history).

ADVANCED ALGEBRA CONCEPTS A & B

Course Number: 141300, 141301

Grade Level: 11, 12

Credits: 2

Yearlong Course

Students study each math idea in depth through application and practical problems, providing opportunities to understand the importance of math in everyday life. Topics include solving equations, inequalities and systems, and types of functions, such as linear, quadratic, polynomial, exponential, logarithmic, rational and trigonometric. Additional topics include powers, radicals, sequences and series, and probability and statistics.

CONSUMER MATH A & B

Course Number: 142110, 142111

Grade Level: 12

Credits: 1 per semester

This course teaches and reinforces math skills to prepare students for math they will encounter in the real world. Students will learn strategies for dealing with math problems found in day-to-day life, including how to adjust recipes, calculate nutrition information, figure sales tax and tips, manage schedules, plan travel, determine sale prices, handle banking transactions, manage budgets, and finding the best deal.

TECH MATH II A & B

Course Number: 142102, 142103

Grade Level: 9, 10, 11, 12

Credits: 1 per semester

This course is a preparatory course for Pre-Algebra. It includes a review of Basic Math, decimals, data and statistics, fractions, integers, equations, inequities and functions, geometric figures, measurement and area, surface area, and volume and probability.

TECH MATH III A & B

Course Number: 142104, 142105

Grade Level: 9, 10, 11, 12

Credits: 1 per semester

A pre-algebra course that will give students a strong foundation in algebra while also preparing them for future study in geometry, probability, and data analysis. The skills that will be learned include variables, expressions, integers, solving

equations, multi-step equations and inequalities, factors, fractions, exponents, rational numbers, ratio, proportions, probability, percent, linear functions, measurement, area and volume, polynomials, and angle relationships.

TECH MATH IV A & B

Course Number: 142106, 142107

Grade Level: 9, 10, 11, 12

Credits: 1 per semester

This course will give students an intensive look into algebraic skills. The skills that will be learned include exponents and powers, order of operations, properties of real numbers, solving and graphing linear equations, solving and graphing functions, writing linear equations, solving and graphing linear inequalities, systems of linear equations and inequalities, exponents and exponential functions, quadratic equations and functions, polynomials, rational expressions, radicals, and some connections to geometry.

TECH MATH V A & B

Course Number: 142108, 142109

Grade Level: 9, 10, 11, 12

Credits: 1 per semester

This introductory geometry course will help students develop sufficient computational, procedural, and problem solving skills to provide a solid foundation for further study in mathematics. The skills that will be learned are; geometry basics, segments and angles, parallel and perpendicular lines, triangle relationships, congruent triangles, quadrilaterals, similarity, polygons and area, surface area and volume, right triangles and trigonometry and circles

OTHER COURSES

FUNDAMENTALS OF AGRI-SCIENCE

Course Number: 182100

Grade Level: 9, 10

Credits: 1

Students will explore the role of agriculture in our world as it relates to plants and animals. Students will interact with a variety of animals, learn about their care, and understand the products or services we get from them. In addition, students will be introduced to horticulture concepts with the study of plant-related topics such as houseplants, native trees and shrubs, and seasonal decorations.

AGRI-SCIENCE

Course Number: 182101

Grade Level: 9, 10

Credits: 1

Students will explore the role of agriculture in our world as it relates to plants and animals. Students will interact with a variety of animals not covered in Fundamentals of Agri-Science, learn about their care, and understand the products or services we get from them. In addition, students will have an active role in growing plants in the school greenhouse and learn about other plant related topics such as floral design and gardening.

DEVELOPMENTAL ADAPTED PHYSICAL EDUCATION**(DAPE) A & B****Course Number: 152102, 152103****Grade Level: 9, 10, 11, 12****Credits: 1 per semester**

For those students with an IEP that have qualified through motor testing. The course emphasizes the development of personal fitness, recreation/leisure skills and game skills in a small group setting. Students may also train and participate in Special Olympics bowling, basketball, swimming and track and field. Students need to meet criteria in their special education assessment to be eligible to take DAPE.

GROUP SKILLS A & B**Course Number: 101700, 101701****Grade Level: 9, 10, 11, 12****Credits: 1 per semester**

The student that has an identified need will work on goals to eliminate the functional impairment identified by the student, case manager, guidance counselor, and/or parent. Goals include, but are not limited to, developing proper coping skills to deal with daily school and community life.

PRACTICAL ASSESSMENT EXPLORATION SYSTEM**(PAES LAB) A & B****Course Number: 192012, 192013****Grade Level: 9, 10****Credits: 2****Yearlong Course**

An assessment of vocational potential and employability skills, identifying aptitude for community based employment, functional skills, interests, and work behavior strengths and barriers to success. PAES is a simulated work environment within the classroom where students work on simulations of actual tasks performed on community based jobs.

POWER HOUR A & B**Course Number: 192010, 192011****Grade Level: 9, 10, 11, 12****Credits: 1 per semester**

This course offers skill instruction in areas of executive functioning and social-emotional skills such as organization, planning, prioritizing, regulating emotions, goal setting, self-advocacy, and problem-solving. Students will also have an opportunity to practice these skills with structured study time and should bring work from other courses to complete during the study portion of the class. This course will be taught by a special education teacher, which may not be their case manager.

SERVICE LEARNING**Course Number: 192017****Grade Level: 11, 12****Credits: 1 per semester**

This course is designed to provide students with opportunities to learn basic work skills while providing a benefit to the community. Students will be required to meet with the staff on a weekly basis in order to gain a service learning credit. Students will be required to keep a log of the hours that they work.

SOCIAL SKILLS A & B**Course Number: 192006, 192007****Grade Level: 9, 10, 11, 12****Credits: 1 per semester**

This course is designed for those students on the autism spectrum who have plans to attend college but struggle in social situations. Students will learn a variety of ways to deal with social situations they may encounter at home, in school, or out in the community. Areas of intense focus will include "social thinking," personal wellness, handling stress and anxiety, communication, goal setting and self-advocacy. Skills will be taught using a variety of methods including classroom instruction, role-playing, group activities, mentorship and community outings.

SPECIALIZED COURSEWORK A & B**English Course Number: 114100, 114101****Health Course Number: 154100, 154101****Math Course Number: 144100, 144101****Science Course Number: 164100, 164101****Social Studies Course Number: 174100, 174101****Grade Level: 9, 10, 11, 12****Credits: 1**

Curriculum used for an alternative to a traditional classroom experience. These courses will need to be approved by an IEP or Student Support Team member.

STRUCTURED STUDY A & B**Course Number: 192990, 192991****Grade Level: 9, 10, 11, 12****Credits: 0**

A quiet study time, assignment completion assistance, and/or time to make-up or retake tests. Students should bring work from courses they have or bring reading material on the days they do not have work. Additional assistance in organizational and study skill development is offered. Students will be assigned to a Special Education teacher, which may not be their case manager.

VOCATIONAL SKILLS A & B**Course Number: 192008, 192009****Grade Level: 10, 11, 12****Credits: 1 per semester**

This course is designed around vocational skill development. Students learn about store operations, money handling, inventory, production, assembly and job skills such as; team work, meeting expectations, task completion, and customer service skills.

UNIFIED PHYSICAL EDUCATION A & B**Course Number: 152104, 152105****Grade Level: 9, 10, 11, 12****Credits: 1 per semester**

For those students with an IEP that have qualified through motor testing and approved Unified Partners. This course combines students of all abilities to participate in developmentally appropriate activities including lifetime activities, physical fitness, and sport. Students will work

together to increase competence and confidence in a variety of physical activities. Through ongoing leadership opportunities, members of this course will be empowered to help create a more inclusive and accepting school environment for all students.

WORK-BASED LEARNING A & B

Course Number: 132100, 132101

Grade Level: 11, 12

Credits: 1 per semester

Prerequisite: Work Seminar Class and be currently employed

This course is designed to provide students with opportunities to build career awareness, explore career options, and learn general work expectations, such as managing resources, managing information, and teamwork and self-management skills. Students will be required to meet with the teacher on a weekly basis in order to gain work-based learning credit. Students will be required to keep a log of the hours that they work.

Note: *Work coordinator must approve employment site prior to enrollment.*

WORK SEMINAR CLASS A & B

Course Number: 132102, 132103

Grade Level: 10, 11, 12

Credits: 1 per semester; only sign up for one semester.

This course helps students gain knowledge and skills to survive in today's workplace. The student will study the following areas: communication skills on the job, careers, applications, resumes, interviewing, child labor laws, money management, workplace safety, benefits, business, insurance, taxes, and guidance.

Note: *Students must take a semester of this course to be able to take Work Based Learning. This course can be taken in conjunction with or prior to Work Based Learning.*

DEVELOPMENTAL COGNITIVE DISABILITY (DCD) COURSES

ACADEMICS A & B

Course Number: 192022, 192023

Grade Level: 9, 10, 11, 12

Credits: 1 per semester

Basic reading instruction for students with developmental and cognitive disabilities. This may involve instruction in site words, picture/symbol recognition, or for students with reading instruction.

BASIC SOCIAL SKILLS A & B

Course Number: 192004, 192005

Grade Level: 9, 10, 11, 12

Credits: 1 per semester

This is a course focusing on transitional skills to prepare students for life after high school. Students will work on the five transition domain areas: home living, recreation/leisure, employability, community participation, and post-secondary education.

COMMUNICATION SKILLS A & B

Course Number: 192000, 192001

Grade Level: 9, 10, 11, 12

Credits: 1 per semester

This is a course focusing on transitional skills to prepare students for life after high school. Students will work on functional skills related to reading, writing and communication in "real life" settings while using a communication device.

DEVELOPMENTAL ADAPTED PHYSICAL EDUCATION (DAPE) A & B

Course Number: 152102, 152103

Grade Level: 9, 10, 11, 12

Credits: 1 per semester

For those students with an IEP that have qualified through motor testing. The course emphasizes the development of personal fitness, recreation/leisure skills and game skills in a small group setting. Students may also train and participate in Special Olympics bowling, basketball, swimming and track and field. Students need to meet criteria in their special education assessment to be eligible to take DAPE.

INDEPENDENT LIVING SKILLS A & B

Course Number: 192018, 192019

Grade Level: 9, 10, 11, 12

Credits: 1 per semester

This course will provide students with a basic understanding of the skills necessary for living independently as an adult. Course topics include disability awareness and disclosure, interactions with others, securing and maintaining employment, budgeting, as well as topics to be determined by the individual needs of the students who are in the course. For developmental and cognitive disabilities.

OCCUPATIONAL SKILLS A & B

Course Number: 192014, 192015

Grade Level: 9, 10, 11, 12

Credits: 1 per semester

Prerequisite: PAES Lab

Vocational skill development for students with developmental and cognitive delays. Instruction will focus on work related tasks, such as sorting materials, gathering or delivering items throughout the building, managing recycling, doing laundry for the Warrior athletic programs.

PERSONAL DEVELOPMENT A & B

Course Number: 192020, 192021

Grade Level: 9, 10, 11, 12

Credits: 1 per semester

This course is designed to meet the individualized needs of students with developmental and cognitive disabilities.

PRACTICAL ASSESSMENT EXPLORATION SYSTEM

(PAES LAB) A & B

Course Number: 192012, 192013

Grade Level: 9, 10

Credits: 2

Yearlong Course

An assessment of vocational potential and employability skills. The assessment identifies aptitude for community based employment, functional skills, interests, and work behavior strengths and barriers to success. PAES is a simulated work environment within the classroom where students work on simulations of actual tasks performed on community based jobs.

TECH MATH I A & B

Course Number: 142100, 142101

Grade Level: 9, 10, 11, 12

Credits: 1 per semester

This course is designed for students who continue to need assistance in basic mathematical concepts. It includes Basic Math concepts in addition, subtraction, multiplication, and division including work with fractions, decimals, percent, time and counting money. Basic Math computation is reinforced using computer programs designed to help student's master basic facts.

TRANSITIONAL SKILLS A & B

Course Number: 192002, 192003

Grade Level: 9, 10, 11, 12

Credits: 1 per semester

Students will be learning activities and skills in their natural setting. These skills may be job related, essential for participating in the community, or to prepare students to live as independently as possible.

UNIFIED PHYSICAL EDUCATION A & B

Course Number: 152104, 152105

Grade Level: 9, 10, 11, 12

Credits: 1 per semester

For those students with an IEP that have qualified through motor testing and approved Unified Partners. This course combines students of all abilities to participate in developmentally appropriate activities including lifetime activities, physical fitness, and sport. Students will work together to increase competence and confidence in a variety of physical activities. Through ongoing leadership opportunities, members of this course will be empowered to help create a more inclusive and accepting school environment for all students.

NOTES:



Bridges Career Academy courses are identified throughout the catalog with the Bridges apple symbol.



COLLEGE AND CAREER READINESS

Research indicates that students graduating today **will require additional education** beyond high school, which will be available in many forms including trade schools, certification programs, apprenticeships, two- and four-year colleges and universities, on-the-job training, the military, or some combination of the above. The term “college” does not necessarily mean a four-year university for all. Transferable skills in math and sciences will be at a premium as well as the soft skills needed to work successfully with others regardless of the field.

ADVANCED STANDING ARTICULATED CREDIT

Advanced Standing Articulated Credit (ASC) are career and technical courses that are developed by high school and college faculty. Courses present curriculum taught in the high school course, which matches content, taught in the college course. High school juniors and seniors who receive a grade of “A or B” in the course will earn credit which can be applied in a specific program of study at Central Lakes College (CLC).

Note: While students may take Advanced Standing courses in grade 10, they are only eligible for CLC credit if course in grade 11 or 12.

BHS Advanced Standing Articulated Credit (ASC) Courses:

AGRICULTURAL SCIENCE

Greenhouse Production

APPLIED TECHNOLOGY

Power Mechanics I

Welding II

Welding III & Fabrication

BUSINESS EDUCATION

CIS Intro to Business

CIS Accounting I

ENGINEERING EDUCATION

CIS Intro to Engineering Design

CIS Principles of Engineering

PHYSICAL and HEALTH EDUCATION

CIS Medical Terminology Independent Study

VISUAL ARTS

Digital Photography

Graphic Design

Video Productions II

Yearbook A & B (yearlong course)

For additional information, visit www.clcmn.edu/college-in-the-schools-cis/advanced-standing

ADVANCED PLACEMENT (AP)

The **Advanced Placement (AP)** Program provides students the opportunity to take college level courses while attending high school. Academically motivated students are encouraged to register for AP courses, as success in AP remains a major benchmark used by colleges for admission decisions and as a predictor of future academic success. College credit may be awarded based on student performance on the comprehensive AP examination. Brainerd High School has offered AP courses for over two decades and has achieved national recognition based on student and staff performance.

Note: Students will receive a weighted grade only after successful completion of the course and participation in AP testing.

BHS Advanced Placement (AP) Courses:

ENGLISH

AP English Language and Composition

AP English Literature and Composition

AP Research

AP Seminar Language and Composition

MATHEMATICS

AP Calculus

AP Statistics

MUSIC

AP Music Theory

SCIENCE

AP Biology

AP Chemistry

AP/CIS Physics

SOCIAL STUDIES

AP American Government

AP Human Geography

AP Psychology

AP US History

AP World History

WORLD LANGUAGE

AP Spanish

For additional information, visit www.collegeboard.com



College credit courses are identified throughout the catalog with the college symbol.

BLENDING LEARNING COURSES

A **Blended Learning Course** provides students with the opportunity to meet some days face to face with their teacher and other days in an online setting. Face to face instruction will take place in the classroom like most traditional courses. The online days (also referred to as flex days), provide students with the opportunity to interact with their course content and assignments using the Google Classroom Learning Management System. Teachers will be communicating their specific course schedule and syllabus on the first day of class.

During the online/flex time, students will manage their course assignments in a self-paced manner. Instructors will use Google Classroom to monitor student progress during the online/flex days and follow up on student progress and extend learning in the face to face setting. Participating in a blended course provides students with the following opportunities to best prepare them for college & career experiences.

- **Prepares** students for post-secondary educational and professional experiences
- **Expands** opportunities to, student-centered, activities
- **Supports** student independence and the development of time management skills
- **Creates** opportunities for small group instruction
- **Offers** students more opportunities and flexibility in course selection

For the 2022-23 school year, Brainerd High School will be offering the following Blended Courses:

CIS Accounting I
CIS Introduction to Business
Advanced Math Topics
CIS Introduction to College Algebra
CIS College Algebra
American History
Video Game Design I

Enrollment will determine if an individual course will run.



BRAINERD ONLINE SCHOOL (BOS) COURSES

Brainerd Online School (BOS) was developed to provide students with the opportunity to:

- experience an online learning environment in courses designed by Brainerd High School teachers;
- meet a scheduling need;
- enroll in classes not provided during the school day; and
- fulfill a need not being met in the physical space.

Brainerd Online School courses are designed to:

- build learner capacity for collaboration in an online environment;
- provide flexible interactive learning experiences;
- actively engage students in learning and feedback; and
- develop students' technology productivity skills.

For the 2022-23 School Year, BOS will be offering:

English

English 12
Digital Media Literacy
Interpersonal Communication

Math

Advanced Algebra A & B
AP Statistics A & B

Physical Education

Health, Wellness and Fitness

Science

Chemistry A & B
Physics A & B

Social Studies

American Government
American History A & B
Economics
World History A & B

Electives

American Sign Language I A & B
American Sign Language II A & B
CIS Accounting I
Video Game Design I

Enrollment will determine if an individual course will run.



BRIDGES CAREER ACADEMIES

Bridges Career Academy Programs of Study are opportunities for students to explore different career pathways in depth. By completing an academy, students will earn recognition at graduation and develop skills to help them with their future career plans. Students may take any of the courses, even if they do not intend to complete a career academy. Students must successfully fulfill the requirements for a career pathway anytime during grades 9-12:

- Complete a sequence of classes in the desired academy
- Earn grades of “B” or higher in those specific courses
- Complete the National Career Readiness Certification (NCRC) exam available in the Student Success Center

BHS Bridges Career Academy Programs of Study **AGRICULTURAL SCIENCE**

Emerging Agriculture Career Academy:

Choose One:

- Intro to Animal Science
- Intro to Plant Science

Choose Two:

- Equine Science
- Small Animal Science I
- Animal Science I
- Animal Science II
- Horticultural Science
- Greenhouse Production
- Natural Resources Science
- Research in Agriculture

APPLIED TECHNOLOGY

Computer Aided Drafting Career Academy required courses:

- CAD I
- CAD II
- Optional: CIS Intro to Engineering Design

Building Trades Career Academy required courses:

- Construction Trades – Framing
- Construction Trades – Finishing
- CAD I or CAD II

Welding Career Academy required courses:

- Welding I
- Welding II

Woodworking Career Academy required courses:

Choose Three:

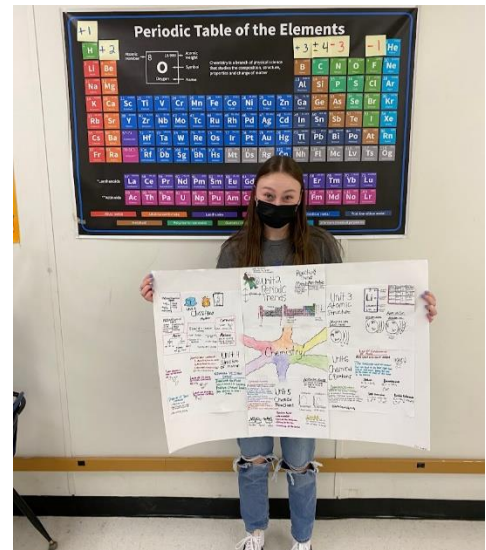
- Intro to CAD and Construction
- Woodworking I
- Woodworking II
- Woodworking III

BUSINESS EDUCATION

Business Career Academy:

Choose Three:

- Introduction to Business/Personal Finance
- CIS Accounting I
- Computer Applications
- Sports/Entertainment Marketing
- CIS Introduction to Business
- Entrepreneurship



ENGINEERING EDUCATION

Project Lead the Way Engineering Career Academy required courses:

- CIS Introduction to Engineering Design
- CIS Principles of Engineering

Choose One:

- CIS Biological Engineering
- CIS Civil Engineer/Architecture

FAMILY and CONSUMER SCIENCE

Culinary Career Academy:

Choose Three:

- Exploring Foods
- International Foods
- Creative Foods
- Culinary Arts I

Hospitality Career Academy required courses:

- Creative Foods
- Culinary Arts I or Culinary Arts II

Choose One:

- Introduction to Business/Personal Finance
- CIS Accounting I

PHYSICAL and HEALTH EDUCATION

Health Careers Academy required courses:

- CIS Human Biology
- CIS Medical Terminology Independent Study

VISUAL ARTS EDUCATION

Video Productions Career Academy required courses:

- Video Production I
- Video Production II

Choose One:

- Journalism
- Sports/Entertainment Marketing
- Video Production III

For additional information, visit www.bridgesconnection.org



Bridges Career Academy courses are identified throughout the catalog with the Bridges apple symbol.

COLLEGE IN THE SCHOOLS (CIS)

Students can earn both high school and college credit through **College in the Schools (CIS)** courses offered at Brainerd High School.

CENTRAL LAKES COLLEGE (CLC)

Qualifications for enrolling in a CIS course:

- Students must be high school juniors or seniors
- Students must have a 2.5 GPA as seniors or a 3.0 GPA as juniors
- High school sophomores in the top 10% of their class, have 3.5 GPA, and receiving a principal recommendation
- Students must earn qualifying scores on the Accuplacer test, MCA reading test or the ACT reading or English test

ST. CLOUD STATE UNIVERSITY (SCSU)

- Students must be high school juniors or seniors
- Juniors must be in the top 33% of their class –approximately 3.0 GPA. Seniors must be in the top 50% of their class – approximately 2.5 GPA
- Some specific courses may require a higher admission standard; some courses have a prerequisite or require a placement test

BHS College in the Schools (CIS) courses

BUSINESS EDUCATION

CIS Intro to Business
CIS Intro to Business - Blended
CIS Accounting I

ENGINEERING EDUCATION

CIS Intro to Engineering
CIS Principles of Engineering
CIS Biological Engineering
CIS Chemical Engineering
CIS Civil Engineering and Architecture

ENGLISH

CIS Intro to Communication/Speech

MATHEMATICS

CIS Intro to College Algebra
CIS College Algebra
CIS Pre-Calculus II

Students can earn both high school and college credit through CIS courses. If a student is planning to take a CIS course that is through Central Lakes College, the student must apply to Central Lakes College.

PHYSICAL and HEALTH EDUCATION

CIS Medical Terminology Independent Study
CIS Human Biology

SCIENCE

CIS Biological Engineering
CIS Chemical Engineering
CIS Environmental Science
CIS Human Biology
AP/CIS Physics I

WORLD LANGUAGE

CIS Spanish III



NATIONAL COLLEGIATE ATHLETIC ASSOCIATION (NCAA)

Division I and Division II school athletes planning to participate in sports at the college level may need to register with the NCAA. It is important to plan early to make sure NCAA core course completion, ACT/SAT scores and GPA requirements are met.

For additional information, visit www.ncaaclearinghouse.net

POST-SECONDARY ENROLLMENT OPTION (PSEO)

A student may take a PSEO class while enrolled at BHS if the following requirements are met:

- Eligibility for PSEO is based on an overall GPA - 3.0 for juniors and 2.5 for seniors.
- Students and/or parents attend an information session prior to BHS registration.

Note: Students planning to participate in the PSEO program must submit enrollment forms to the Student Success Center by May 30 for participation during the next year.



GET INVOLVED

ACTIVITIES, ATHLETICS, CLUBS AND ORGANIZATIONS

Listed to the right are the current athletics, activities, clubs and organizations. Fees are charged for many, but financial assistance is available for families who qualify for the Federal Free/Reduced Meal Program. We will never turn a child away due to financial hardship!

For additional information, contact the Activities Office located in the Main Office of Brainerd High School North Campus, 218-454-6300.



ATHLETICS:

FALL

Cross Country Running
Football
Soccer
Strength Training
Swimming and Diving
Tennis
Volleyball

WINTER

Adaptive Floor Hockey
Alpine Skiing
Basketball
Competitive Cheerleading
Dance Team
Gymnastics
Hockey
Nordic Skiing
Strength Training
Swimming and Diving
Wrestling

SPRING

Baseball
Golf
Lacrosse
Tennis
Softball
Strength Training
Track and Field

ACTIVITIES, CLUBS AND ORGANIZATIONS:

ASL Club
Anime Club
Art Club
Class Cabinets
Competitive Speech
Fall Play
Fishing Team
FFA
Foreign Exchange Club
Interact Club
Key Club
Knowledge Bowl
GSA
Mock Trial
Mountain Bike Racing
National Honor Society
One Act Play
Robotics
Sailing Team
Spanish Club
Spring Musical
Student Council
Super Mileage Club
Trap and Skeet Shooting
Youth in Government

Descriptions Follow. . . .



ASL CLUB (AMERICAN SIGN LANGUAGE)

Grade Level: 9, 10, 11, 12

The club meets every Wednesday during WIN time in the ASL room. Students are not required to be enrolled in an ASL course to be involved. The club will focus on ASL events, as well as school/community awareness functions to educate people about the deaf/hard of hearing population and their native language. ASL Club and the volunteer work in the community is a positive experience to list on college applications. Volunteer opportunities provided for work towards ASL Honor Society and information regarding ASL Honor Society will also be shared.

ANIME CLUB

Grade Level: 9, 10, 11, 12

This club is open to anyone interested in Japanese Anime, Manga, Art, Video games, and Trading card games. Anime club meets every Thursday from 3:30-5:00 in room D141. During Anime club, we choose a new anime to watch every few weeks and provide opportunities for gaming and social interaction with others with similar interests. Some gaming opportunities include, Yu-Gi-Oh! Magic: The Gathering, Pokémon, League of Legends, Dungeons and Dragons, video games, and anything else club members wish to play that is school appropriate. A registration form signed by a parent is required to attend.



ART CLUB

Grade Level: 9, 10, 11, 12

Creative, eclectic and spirited students looking for an opportunity to be a part of the BHS Art Club. This is a great way to receive volunteer hours and leave a mark in your school and community! Disclaimer – no experience necessary, you do not need to be in an art course nor do you need to be a self-proclaimed artist! What we are looking for is people with a passion for the arts!

CLASS CABINET - FRESHMAN

Grade Level: 9

Provides an opportunity to raise money for numerous charitable organizations including but not limited to Warrior Warehouse. These students develop activities to encourage school pride and participation. Freshman cabinet sells donuts every first and third Thursday before school. We meet every

Thursday before school. All freshmen are welcome to any meeting.

CLASS CABINET - SOPHOMORES

Grade Level: 10

Provides an opportunity to all sophomore students to become contributing members of your class. Students elect officers as leaders for this year and beyond and conduct food drives. Students are representatives for homecoming and make the homecoming banner. Students have representatives of the class during Winter Wonder Week and participate in the Junior/Senior Prom. This is a great place to meet fun people in your grade.

CLASS CABINET - JUNIORS

Grade Level: 11

Provides an opportunity for all juniors to be a contributing member of your class. All juniors are welcome, even if you have not participated in class cabinet previously. Cabinet members coordinate with other government and service groups on various service projects. The major project of the Junior Class Cabinet is designing and coordinating the Spring Prom including selecting a theme, ordering and managing the decorations, selection of music groups, and staging the prom

CLASS CABINET - SENIORS

Grade Level: 12

Provides an opportunity for all seniors to be a contributing member of your class. Students will decide on graduation announcements, talent show, senior t-shirts, senior poll, Winter Wonder Week, Senior Banquet and fundraisers. Students meet once a week and it does not cost a thing to join.

COMPETITIVE SPEECH

Grade Level: 9, 10, 11, 12

There are no requirements or prerequisites for joining, other than a desire to learn, and to increase skills in the area of forensics and interpersonal communication. BHS Competitive Speech is a Minnesota State High School League activity in which students choose one of 13 categories of Speech and compete at tournaments. Students begin meeting the first part of December and choose a category, prepare a speech, and meet with the coach individually, or in groups, to practice. Students may letter if they meet the criteria.

FALL PLAY

Grade Level: 9, 10, 11, 12

An after school activity that allows students to be creative while acting onstage, or behind the scenes as a tech-crew member. This activity encourages students to build confidence, and learn how to work together to put on a production. There is a \$50 fee to participate in this activity.

FISHING TEAM

If you are interested in becoming a better angler, or just want to get out fishing, the Brainerd Warrior Fishing Team is for you! Our team gives students the opportunity to catch some Bass, Walleye, Northern Pike, Perch and more! Our team participates

in tournaments, fundraisers, seminars and practices that are fun for the students, instructors and boat captains. We will give you the tips and teach you the tricks to become a well-rounded angler.

FFA

Grade Level: 9, 10, 11, 12

Activities include community service activities, lock-ins, parades, county fair, summer camps, softball, and volleyball. We have career development events such as horse judging, public speaking, floriculture, agricultural mechanics, parliamentary procedure, wildlife, and small animal that advance like sports teams to local, regional, state, and national competitions. Students may attend state and national conventions, regional leadership events, and annual chapter banquets. **Students who join FFA must be enrolled in at least one Agricultural Science course during the school year.**



INTERACT CLUB

Grade Level: 9, 10, 11, 12

For students who want to serve their community and their school through various events. Interact is the high school version of Rotary International. The guiding principle is "Service Above Self." Throughout the year we do events and fundraisers such as Floats for Goats, Thanksgiving Baskets, Kids Against Hunger, Operation Christmas Child, Soup Kitchen volunteering, Pennies for Patients, and so much more. There is no cost to join.



KEY CLUB

Grade Level: 9, 10, 11, 12

The world's oldest and largest service program for high school students. The BHS club--sponsored by Kiwanis--holds weekly meetings to plan events, listen to speakers, and connect with one another. Our goal is to make a positive difference in our schools, in the local community, and in the world. Members may choose to volunteer at such events as the Red Cross Blood Drive, Operation Sandwich, Miracle Field, the Senior Center, the Arboretum Haunted Trail, and Habitat for Humanity. Additional opportunities include running for Governing Board positions, attending retreats, and lettering. There is a \$15 membership fee.



KNOWLEDGE BOWL

Grade Level: 9, 10, 11, 12

Facing off against other teams, students work together to answer questions related to all areas of learning. Students recall, solve problems, think critically, and sharpen teamwork skills. Practices start in early Fall Semester with competitions held in January, February, and March - with the top teams advancing to the Minnesota State Knowledge Bowl. You may participate in other activities and sports while at the same time compete as a member of the KB teams. Competitions take place during the school day and practices are held after school from 3:20-5:00 on Wednesdays and during WIN on

Thursdays. You do not need to attend both practices each week. Join us and revel in your academic prowess

GSA

Grade Level: 9, 10, 11, 12

GSA offers LGBTQA+ students and their allies a place to get together to learn about and discuss LGBTQA+ related topics and to offer and receive support from one another. If you identify as an LGBTQA+ student or an ally to the LGBTQA+ community, please join us.

MOCK TRIAL

Grade Level: 9, 10, 11, 12

Through participation in mock trials, students gain a practical understanding of the way in which the American legal system functions. Each team consists of 8-14 students. Students prepare and argue a legal case in simulated courtroom trials. Students work with a local attorney/coach as they prepare to play the roles of attorneys and witnesses in local courtrooms. The case is received in October, our competitions begin in January, and our season runs into February with the state tournament held in March.



MOUNTAIN BIKE RACING

Grade Level: 7, 8, 9, 10, 11, 12

Riders of all levels and experience are welcome on the team. While mountain bike racing is an individual sport, it is also a true team experience. The official race season runs from July to the end of October. The Cuyuna Lakes team is part of the Minnesota High School Cycling League, which is sanctioned by NICA. Learn more by connecting to the Cuyuna Lakes High School Mountain Biking Team on Facebook and Instagram, or look up the Minnesota High School Cycling League. Look for informational meeting at the end of May.

NATIONAL HONOR SOCIETY (NHS)

Grade Level: 11, 12

A very prestigious recognition acknowledged throughout the nation. A student's cumulative grade point average of 3.50 or higher makes one eligible to apply for selection into the Brainerd High School National Honor Society. Service, Leadership, Character, and Scholarship are the pillars of the National Honor Society. Students are invited to be

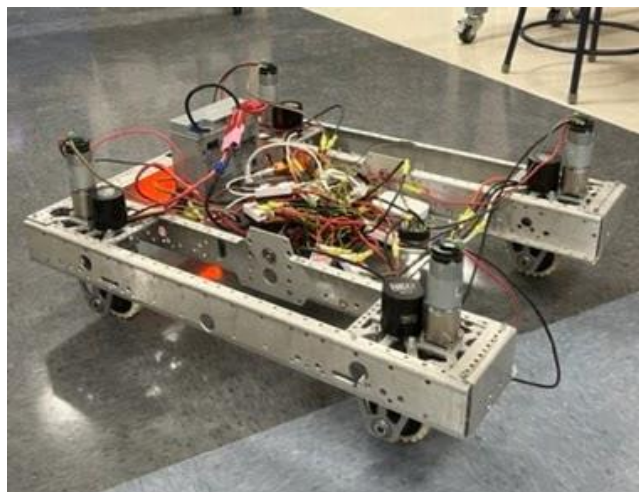


inducted if they meet criteria. An invitation will be sent out after first semester grades are posted.

ONE ACT PLAY

Grade Level: 9, 10, 11, 12

An activity that allows students to follow their passion for drama and acting by producing a play in a competitive MSHSL Fine Arts setting. Students perform and compete against other schools at the local and regional levels. MSHSL eligibility requirements must be met.



ROBOTICS

Grade Level: 10, 11, 12

A team orientated club that is part of the FIRST Robotics Competition. This is a hands-on, problem solving activity where students build a robot for competition. Students will work with real engineers to problem solve and build a robot to compete with schools around the country. Students are involved with marketing, maintaining a website, programming, mechanical and electrical engineering, working with pneumatics, budgeting, and, most importantly, being part of a team. Students have a six-week build season (Jan.-Feb.) which then leads to a three-day competition.

SAILING TEAM

Grade Level: 7, 8, 9, 10, 11, 12

High school Sailing is governed by a national level organization, which gives a unique opportunity to compete at many levels. The team can compete at local events, or race at regional and national level championships. High school sailing is both a spring and a fall sport, so you can do either season or both. There is not experience required. The team practices on Gull Lake at the Gull Lake Sailing School. Practices are Tuesday, Wednesday, and Thursday from 3:30 - 6:30 pm. If you are interested in joining or are looking for more information, contact; GullLakeSailingTeam@gmail.com Head Coach Josh Sullivan.

SPANISH CLUB

Grade Level: 9, 10, 11, 12

Any BHS student is welcome to join Spanish Club at no cost. Members present decide the date of the activity and the activity itself. The activities take place after school and are over by 5:00 p.m. English is generally spoken in the club, but many of the

activities revolve around the culture of the Spanish-speaking world.



SPRING MUSICAL

Grade Level: 9, 10, 11, 12

An after school activity that allows students to explore their artistic creativity while singing, dancing, and acting onstage in a musical, or behind the scenes as a tech-crew member or pit orchestra member. This activity fosters collaboration with the actors and pit orchestra members to put on a musical production. There is a \$50 fee to participate in this activity.

STUDENT COUNCIL

Grade Level: 9, 10, 11, 12

Students are responsible for school-sponsored events such as Homecoming, The Holiday Ball, Winter Wonder Week, Spring Fling Week, and other activities. Student Council also performs "service" to the school and community. Students meet Friday mornings before school on a weekly basis and as needed throughout the year. There is no cost to join.

TRAP and SKEET SHOOTING

Grade Level: 9, 10, 11, 12

Students participate as part of the Minnesota State High School Clay Target League. Most competitions take place locally at Lakeshore Conservation Club, across from Ski Gull. For more information on the clay target league please visit, www.mnclaytarget.com or stop by the Warrior Activities Office.

YOUTH IN GOVERNMENT (YIG)

Grade Level: 8, 9, 10, 11, 12

A statewide youth civic education and leadership development initiative that involves students in hands-on learning experiences in MN government. YIG encourages students to be lifelong, active citizens. YIG meets twice a month to prepare for Model Assembly (MA) and Model United Nations (MUN). MA is an annual gathering at the State Capitol that replicates the functions of the state government. MUN is a simulation in which students represent United Nations member states and meet to find solutions to common problems. *Advisor: Amy Aho 218-454-6481 (Garfield Elementary)*

GLOSSARY and APPENDIX

TERMS AND ACRONYMS



Bridges Academy courses are identified throughout the catalog with the Bridges “**apple symbol.**”



College credit courses are identified throughout the catalog with the “**college symbol.**”



New courses and materials are identified throughout the catalog with the “**new symbol.**”

ACCUPLACER: A placement test in reading, writing, and mathematical skills used for admissions in Community and Technical Colleges.

ACT: ACT assessment is a five-hour national college admissions test, which includes five sections: writing, science, math, reading and English. Most colleges will accept a student’s ACT scores as part of the admissions evaluation.

AP or Advanced Placement: College Board designed courses. In May, students take a test for each AP course in which they are enrolled; students who achieve a certain score may, if their college accepts the AP credit, receive college credit.

ASC or Advanced Standing Articulated Credit: Several Career and Technical Education courses that are offered at BHS can be used for college credit upon enrollment in an applicable program at Central Lakes College. Students in grades 11 or 12 who take a qualifying course and earn a grade of a B or better in that course will receive an ASC college credit. Upon enrollment in an applicable program at CLC the student will be able transfer the high school course in as college credit as defined in the articulation agreement.

ASVAB or Armed Service Vocational Aptitude Battery.: A free career planning resource available to high schools nationwide. This comprehensive program includes one of the most widely used multiple-aptitude test batteries in the world and an interest inventory complemented by a thorough occupational database all designed to give students an in-depth look at the world of work.

Blended/Hybrid Courses: Courses in which some traditional face-to-face “seat time” has been replaced by online learning activities. The purpose of a blended/hybrid course is to take advantage of the best features of both face-to-face and online learning.

BHS: The abbreviation for Brainerd High School.

BOS or Brainerd Online School: Offering both high-quality core and elective courses that meet the same content standards as our in-person, (9-12) high school, but in an online environment.

CLC or Central Lakes College: CLC is a local two-year community and technical college. Brainerd High School collaborates with CLC to offer ASC, CIS, PSEO and eCollege options for students. CLC is a member of the Minnesota State College University System (MnSCU).

College: In contrast to a university, a college traditionally only offers undergraduate degrees and programs. (There are, of course, some exceptions to this definition.)

College Admissions Test: A test often required by four-year colleges to help determine which students to admit to their school. The most common tests are the ACT and SAT.

CIS or College in the Schools: A program that provides high school students with the opportunity to take college-credit bearing courses taught by college-approved high school teachers, generally on the high school campus.

CTE or Career and Technical Education: A term applied to schools, institutions, and educational programs that specialize in the skilled trades, applied sciences, modern technologies, and career preparation.

FAFSA or Free Application for Federal Student Aid: This online form is required for any student who wants to be considered for need-based federal aid.

GPA or Grade Point Average: The average of a student’s grades 9-12, typically based on a four-point scale.

IEP or Individual Education Plan: A written document required for each child who is eligible to receive special education services. It is provided to a student who has been determined first to have a disability and second to need special education services because of that disability. If a student qualifies for special education services, a case manager will be assigned.

Parchment: An online record request service that Brainerd High School uses to streamline the process of sending out transcripts and records to verify graduation and grades to colleges, employers, insurance companies, scholarships, etc.

PLP or Personal Learning Plan: All students, beginning in grade 9 will develop a Personalized Learning Plan. A PLP is a plan that students will revisit throughout grades 9-12 in preparation for college and career beyond high school. This is a graduation requirement.

PSAT: An assessment developed by The College Board to determine college readiness. Students are assessed in the areas of critical reading, mathematics, and written expression in preparation for the SAT 1: Reasoning Test. The PSAT is offered once a year in October to any interested student for a nominal fee. Juniors taking the exam may qualify through their scores for the National Merit Scholarship program.

Post-Secondary: This term means “after the completion of high school.” It typically refers to any education a person receives

beyond or after high school, including four-year colleges and universities and community colleges

PSEO or Post-Secondary Enrollment Option: An enrollment plan that allows high school students to earn college credit while still in high school through enrollment and successful completion of college-level courses. With traditional PSEO, these courses are generally offered on the campus of the postsecondary institution.

Prerequisite: A prerequisite is a course that you need to take and successfully complete with a passing grade before you can sign up for a certain course.

PLTW or Project Lead the Way: A United States non-profit organization that develops STEM curricula for use by US elementary, middle, and high schools. PLTW also provides professional development training for instructors.

STEM or Science, Technology, Engineering and Mathematics: A curriculum based on the idea of educating students in four specific disciplines — science, technology, engineering and mathematics — in an interdisciplinary and applied approach. Rather than teach the four disciplines as separate and discrete subjects, STEM integrates them into a cohesive learning paradigm based on real-world applications.

SAT: A standardized, five-hour test developed by The College Board that measures verbal, mathematical reasoning and writing skills. Four-year colleges use a students' score on this test as part of the admissions evaluation for entrance.

SSC: The abbreviation for the Student Success Center.

Technical Colleges: 2-year state colleges that teach knowledge and skills leading to specific careers. The programs range in length from 3 months to 2 years.

Transcript: A record of your academic history.

University: In contrast to a college, a university traditionally offers both undergraduate and graduate degrees and programs. (There are, of course, some exceptions to this rule.)

Weighted GPA: A weighted grade point is one full-scale point above the standard grade scale at Brainerd High School and used for Advanced Placement and Project Lead the Way approved courses. For example, a 4.0 grade point earned (A) would convert to a 5.0 grade point value for an AP or PLTW approved course.

WIN or What I Need: is a 45-minute period scheduled twice a week. Students will have the opportunity to receive directed and/or self-selected instructional support or enrichment activities. Teachers identify and assign students to a specific WIN hour ("directed") when necessary. Other students will choose their own WIN activities. All teachers will facilitate two WIN opportunities per week, one of which must be academic support, such as 1:1 or small group remediation, test prep, or make up activities. The second WIN can be an enrichment activity, such as club meetings, intramural athletic activities, or creative offerings. Some staff may choose to offer study halls, studio time (such as in art courses), music private practice, or other enrichment activities. Students are expected to attend both WIN periods every week.



CREDIT REQUIREMENT CHECK SHEET

Use this page to keep track of **minimum credit requirements** for Brainerd High School graduation. When a course is complete, place "1" in the box next to the requirement.



KEEP IN MIND			
College admissions and NCAA eligibility standards require specific elective choices. Example: some 4 year colleges require 4 years of math and 2 years of the same World Language for admission.			
MINIMUM REQUIRED CREDITS			
8	English		
6	Math		
2	Health/Phy Ed		
6	Science		
7	Social		
2	Art		
13	Electives		
44	TOTAL		
SAMPLE 4 YEAR PLAN			
GRADE 9		GRADE 10	
Fall	Spring	Fall	Spring
Eng 9	Eng 9	Eng 10	Eng 10
Int Alg 9	Int Alg 9	Geometry	Geometry
Phys Sci	Phys Sci	Biology	Biology
Geog	HWF	W Hist	W Hist
Elective	Elective	*Art Elec	*Art Elec
Elective	Elective	Elective	Elective
St Center	St Center	St Center	St Center
GRADE 11		GRADE 12	
Fall	Spring	Fall	Spring
Eng 11	Eng 11	Eng 12	Eng Elec
Adv Alg	Adv Alg	Math or Elec	Math or Elec
Science	Science	Sci or Elec	Sci or Elec
Am Hist	Am Hist	Econ	Govt
Elective	Elective	**Health/PE	Elective
Elective	Elective	Elective	Elective
Elective	Elective	Elective	Elective
Courses listed above may be replaced with an equivalent option, such as Intensive level, AP or by academic placement.			
NOTES			
* Art Credits include: Interior Design, All Music Courses, All Visual Arts Courses, CIS CAD I & II, CIS IED I & II, CIS POE I & II, Woodworking I, II, III.			
** Health/PE Elective Credits include: All Phy Ed courses, Human Biology, Medical Terminology.			

ANYTIME REQUIREMENTS GRADES 9-12	
	Art Elective*
	Art Elective*
	Health/PE Elective**
GRADE 9 REQUIREMENTS	
	English
	English
	Math
	Math
	HWF
	Science
	Science
	Social Studies
	Total # of Elective Credits earned
	Total Credits earned in grade 9 (out of 14)
GRADE 10 REQUIREMENTS	
	English
	English
	Math
	Math
	Science
	Science
	Social Studies
	Social Studies
	Total # of Elective Credits earned
	Total Credits earned in grade 10 (out of 14)
GRADE 11 REQUIREMENTS	
	English
	English
	Math
	Math
	Science
	Science
	Social Studies
	Social Studies
	Total # of Elective Credits earned
	Total Credits earned in grade 11 (out of 14)
GRADE 12 REQUIREMENTS	
	English
	English
	Social Studies
	Social Studies
	Total # of Elective Credits earned
	Total Credits earned in grade 12 (out of 14)
TOTAL CREDITS REQUIREMENTS	
	44 Total Credits Required

FRESHMAN REGISTRATION FORM

Teacher you are registering with _____ **PRINT YOUR NAME CLEARLY:** _____

Freshmen are required to register for 14 courses. Students must have 14 boxes checked.

	FALL SEMESTER	SPRING SEMESTER
English - 2 credits Check 1 box per semester	<input type="checkbox"/> 111100 English 9 A OR <input type="checkbox"/> 111102 English 9 Intensive A OR <input type="checkbox"/> _____	<input type="checkbox"/> 111101 English 9 B OR <input type="checkbox"/> 111103 English 9 Intensive B OR <input type="checkbox"/> _____
Math - 2 credits Check 1 box per semester	<input type="checkbox"/> 141100 Intermediate Algebra A OR <input type="checkbox"/> 141200 Geometry Intensive A (Prereq: Gr 8 Interm Algebra) OR <input type="checkbox"/> _____	<input type="checkbox"/> 141101 Intermediate Algebra B OR <input type="checkbox"/> 141201 Geometry Intensive B (Prereq: Gr 8 Interm Algebra) OR <input type="checkbox"/> _____
Science - 2 credits Check 1 box per semester	<input type="checkbox"/> 161100 Physical Science A OR <input type="checkbox"/> 161102 Biology Intensive A (Concurrent enrollment in Geometry required) <input type="checkbox"/> _____	<input type="checkbox"/> 161101 Physical Science B OR <input type="checkbox"/> 161103 Biology Intensive B (Concurrent enrollment in Geometry required) <input type="checkbox"/> _____
Social Studies - 1 credit	<input type="checkbox"/> 171100 World Geography (1 semester) OR <input type="checkbox"/> _____ <input type="checkbox"/> 171101 AP Human Geography A (yearlong) <input type="checkbox"/> 171102 AP Human Geography B (yearlong)	
Health, Wellness, and Fitness- 1 credit	<input type="checkbox"/> 151100 Health, Wellness and Fitness OR , if you are taking AP Human Geography and 3 year-long electives, delay HWF until Gr 10 by selecting the delay option below: <input type="checkbox"/> 155100 Health, Wellness and Fitness - ONLINE <input type="checkbox"/> Delay HWF until 10 th grade	
Electives - 6 credits Check 3 boxes per semester <i>Note: Students are required to take the following any time during grades 9-12:</i> <ul style="list-style-type: none"> ● 2 credits of Art ● 1 credit of Health, Wellness and Fitness ● 1 credit of a Phy Ed or Health elective 	<input type="checkbox"/> 101100 Study Center A <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <i>Note: Students are encouraged to take a Study Center each semester if needed</i>	<input type="checkbox"/> 101101 Study Center B <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____
Alternate choices are extremely important! If alternate courses are not listed, office staff will choose your alternate to complete your schedule. Please list 4 alternate courses below: _____ _____		

Parent Signature _____ Parent email and phone # _____

SOPHOMORE REGISTRATION FORM

PRINT YOUR NAME CLEARLY: _____

Sophomores are required to register for 14 courses. Students must have 14 boxes checked.

	FALL SEMESTER	SPRING SEMESTER
English - 2 credits Check 1 box per semester	<input type="checkbox"/> 111200 English 10 A <u>OR</u> <input type="checkbox"/> 111202 English 10 Intensive A <u>OR</u> <input type="checkbox"/> _____	<input type="checkbox"/> 111201 English 10 B <u>OR</u> <input type="checkbox"/> 111203 English 10 Intensive B <u>OR</u> <input type="checkbox"/> _____
Math - 2 credits Check 1 box per semester	<input type="checkbox"/> 141108 Geometry A (Prereq: Int Algebra) <u>OR</u> <input type="checkbox"/> 141202 Advanced Algebra A <input type="checkbox"/> 145202 Advanced Algebra A - ONLINE <u>OR</u> <input type="checkbox"/> 141204 Adv. Algebra Intensive A (Prereq: Geometry) <input type="checkbox"/> _____	<input type="checkbox"/> 141209 Geometry B (Prereq: Int Algebra) <u>OR</u> <input type="checkbox"/> 141203 Advanced Algebra B <input type="checkbox"/> 145203 Advanced Algebra B - ONLINE <u>OR</u> <input type="checkbox"/> 141205 Adv. Algebra Intensive B (Prereq: Geometry) <input type="checkbox"/> _____
Science - 2 credits Check 1 box per semester	<input type="checkbox"/> 161200 Biology A <u>OR</u> <input type="checkbox"/> 161202 Chemistry A (Prereq: Biology) <u>OR</u> <input type="checkbox"/> 165202 Chemistry A - ONLINE (Prereq: Biology) <u>OR</u> <input type="checkbox"/> _____	<input type="checkbox"/> 161201 Biology B <u>OR</u> <input type="checkbox"/> 161203 Chemistry B (Prereq: Biology) <u>OR</u> <input type="checkbox"/> 165203 Chemistry B - ONLINE (Prereq: Biology) <u>OR</u> <input type="checkbox"/> _____
Social Studies – 2 credits Check 1 box per semester	<input type="checkbox"/> 171200 World History A <u>OR</u> <input type="checkbox"/> 175200 World History A - ONLINE <u>OR</u> <input type="checkbox"/> 171202 AP World History A	<input type="checkbox"/> 171201 World History B <u>OR</u> <input type="checkbox"/> 175201 World History B - ONLINE <u>OR</u> <input type="checkbox"/> 171203 AP World History B
Electives - 6 credits Check 3 boxes per semester Note: Students are required to take the following any time during grades 9-12: <ul style="list-style-type: none"> ● 2 credits of Art ● 1 credit of Health, Wellness and Fitness (also online) ● 1 credit of a Phy Ed or Health elective 	<input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ Note: If you are taking 2 year-long electives and have not yet completed HWF, you may choose that option here in the electives to fulfill your PE credits Note: Students are encouraged to take a Study Center each semester if needed	<input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____

Alternate choices are extremely important! If alternate courses are not listed, office staff will choose your alternate to complete your schedule. Please list 4 alternate courses below:

JUNIORS REGISTRATION FORM

PRINT YOUR NAME CLEARLY: _____

Juniors are required to register for 14 courses. Students must have 14 boxes checked.

	FALL SEMESTER	SPRING SEMESTER
English - 2 credits Check 1 box per semester	<input type="checkbox"/> 111300 English 11 A <u>OR</u> <input type="checkbox"/> 111324 AP English Lang and Comp A <u>OR</u> <input type="checkbox"/> 111326 AP Seminar Lang and Comp A <u>OR</u> <input type="checkbox"/> _____	<input type="checkbox"/> 111301 English 11 B <u>OR</u> <input type="checkbox"/> 111325 AP English Lang and Comp B <u>OR</u> <input type="checkbox"/> 111327 AP Seminar Lang and Comp B <u>OR</u> <input type="checkbox"/> _____
Math - 2 credits Check 1 box per semester	<input type="checkbox"/> 141202 Advanced Algebra A <u>OR</u> <input type="checkbox"/> 145202 Advanced Algebra A - ONLINE <u>OR</u> <input type="checkbox"/> 141204 Adv. Algebra Intensive A (Prereq: Geometry) <input type="checkbox"/> _____	<input type="checkbox"/> 141203 Advanced Algebra B <u>OR</u> <input type="checkbox"/> 145203 Advanced Algebra B - ONLINE <u>OR</u> <input type="checkbox"/> 141205 Adv. Algebra Intensive B (Prereq: Geometry) <input type="checkbox"/> _____
Science - 2 credits Check 1 box per semester	<input type="checkbox"/> _____ Note: Two science elective credits must be completed any time in grades 11-12	<input type="checkbox"/> _____
Social Studies - 2 credits	<input type="checkbox"/> 171300 American History A <u>OR</u> <input type="checkbox"/> 173300 American History A - BLENDED <u>OR</u> <input type="checkbox"/> 175300 American History A - ONLINE <u>OR</u> <input type="checkbox"/> 171302 AP US History A <input type="checkbox"/> _____	<input type="checkbox"/> 171301 American History B <u>OR</u> <input type="checkbox"/> 173301 American History B - BLENDED <u>OR</u> <input type="checkbox"/> 175301 American History B - ONLINE <u>OR</u> <input type="checkbox"/> 171303 AP US History B <input type="checkbox"/> _____
Electives - 6 credits Check 3 boxes per semester, Juniors may choose one Open Hour each semester if on track to graduate Note: Students are required to take the following any time during grades 9-12: <ul style="list-style-type: none"> ● 2 credits of Art ● 1 credit of Health, Wellness and Fitness ● 1 credit of a Phy Ed or Health elective 	<input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____	<input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____

Alternate choices are extremely important! If alternate courses are not listed, office staff will choose your alternate to complete your schedule. Please list 4 alternate courses below:

SENIORS REGISTRATION FORM

PRINT YOUR NAME CLEARLY: _____

Seniors are required to register for 14 courses. Students must have 14 boxes checked.

	FALL SEMESTER	SPRING SEMESTER
English - 2 credits Check 1 box per semester	<input type="checkbox"/> 111400 English 12 OR <input type="checkbox"/> 115400 English 12 - ONLINE OR <input type="checkbox"/> 111403 AP English Lit and Comp A OR <input type="checkbox"/> 111405 AP Research A (Prereq: AP Sem) OR <input type="checkbox"/> _____	<input type="checkbox"/> _____ Elective OR <input type="checkbox"/> _____ Elective OR alternate <input type="checkbox"/> 111404 AP English Lit and Comp B OR <input type="checkbox"/> 111406 AP Research B (Prereq: AP Sem) OR <input type="checkbox"/> _____
Math - 2 credits Check 1 box per semester	<input type="checkbox"/> _____ Note: All students are encouraged to take math during their senior year	<input type="checkbox"/> _____
Science - 2 credits Check 1 box per semester	<input type="checkbox"/> _____ Note: Two science elective credits must be completed any time in grades 11-12. Students are encouraged to take science during their senior year	<input type="checkbox"/> _____
Social Studies - 2 credits Check 1 box per semester	<input type="checkbox"/> 171400 American Government OR <input type="checkbox"/> 175400 American Government – ONLINE OR <input type="checkbox"/> 171304 AP American Government <input type="checkbox"/> _____	<input type="checkbox"/> 171401 Economics OR <input type="checkbox"/> 175401 Economics - ONLINE OR <input type="checkbox"/> _____
Electives Seniors may choose up to two Open Hours each semester if on track to graduate Note: Students are required to take the following any time during grades 9-12: <ul style="list-style-type: none"> ● 2 credits of Art ● 1 credit of Health, Wellness and Fitness ● 1 credit of a Phy Ed or Health elective 	<input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____	<input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____

Alternate choices are extremely important! If alternate courses are not listed, office staff will choose your alternate to complete your schedule. Please list 4 alternate courses below:

_____	_____
_____	_____





Brainerd High School

702 S. 5th Street

Brainerd, MN 56401

218-454-6200

brainerdhs.ss12.sharpschool.com





Brainerd High School

702 S 5th St., Brainerd, MN 56401

218-454-6200 | <http://brainerdhs.ss12.sharpschool.com>

BRAINERD PUBLIC SCHOOLS

WARRIORS