

Braham Area High School



Registration Guide 2023-2024

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Braham Area High School Graduation Requirements

Braham Area Schools and the Minnesota Department of Education have determined that, in order to participate in the graduation ceremony and receive a diploma, a student must earn a minimum of 24.5 credits, pass the required coursework and complete required Minnesota assessments.

Credit Requirements

Minimum required credits are:

English: 4 Credits <ol style="list-style-type: none"> English 9 English 10 English 11 or pre-approved PSEO/ECCO courses English 12 or pre-approved PSEO/ECCO courses 	Social: 4 Credits <ol style="list-style-type: none"> Civics + Geography 9 World History 10 US History or College US History 11 Economics + Introduction to Psychology or Introduction to Sociology 12 	Math: 3 Credits <ol style="list-style-type: none"> Intermediate Algebra 9 or Enriched Geometry Geometry 10 or Enriched Algebra 2 Algebra 2 or Advanced/College Math Tech Math (not required if 3 years of math completed by senior year) 	Science: 3 Credits <ol style="list-style-type: none"> Science 9 Biology 10 Chemistry OR Enriched Chemistry
PE: 1.5 Credits <ol style="list-style-type: none"> PE 9 1 PE 10 Elective Option 	Health: 0.5 Credits <ol style="list-style-type: none"> Health 10 	Art: 1 Credit Choose from the following <ol style="list-style-type: none"> Band/Choir Art Woods Metals 	Electives: 7.5 Credits

Registration Considerations

9-12 grade students are required to take seven full hours of instruction each semester, which includes required and elective courses.

9th Grade:

1. English 9 (year-long)
2. Civics (semester)
3. Geography (semester)
4. Science 9 (year-long)
5. Math (year-long)
6. PE 9 (year-long)
7. 4 Electives (semester)

10th Grade:

1. English 10 (year-long)
2. World History 10 (year-long)
3. Biology (year-long)
4. Math (year-long)
5. PE 10 (semester)
6. Health 10 (semester)
7. 4 Electives (semester)

11th Grade:

1. English 11 (year-long)
2. US History (year-long)
3. Chemistry (year-long)
4. Math (year-long)
5. 6 Electives (semester)

12th Grade:

1. English 12
2. Economics (semester)
3. Social Studies Elective (semester)
4. 10 Electives (semester)

Planning for After High School

It is important for students to consider their long range goals when choosing classes in high school. Students are encouraged to consider how their current courses will affect their future goals of school, military, or work.

Four Year College or University

The following curriculum is required for students who wish to attend a Minnesota State University. The pattern of courses being required for admission to a Minnesota State University is generally consistent with the requirements of the University of Minnesota, the University of Wisconsin system, and the North and South Dakota State Universities as well as many other post secondary institutions across the country. Students planning to attend a four year private college or a college outside the geographic area should research each college's specific requirements. The recommended college preparatory curriculum for grades 9-12 is as follows:

1. 4 years of English
2. 4 years of Math (Algebra 1, Geometry, Algebra 2 & one of the following: Pre-Calculus or College Pre-Calculus or College Calculus)
3. 3 years of Science
4. 4 years of Social Studies
5. 2 years of a single World Language (recommended but not required)
6. 1 year of either World Culture or Fine Arts

Students should be aware that some of these schools will allow students to take some of these requirements as college freshmen for no credit.

Technical College

There is no specified curriculum for entrance into the technical schools in Minnesota. Students should have taken high school courses in the area they plan to enroll in when they enter technical school. Adequate support courses such as math, science, and computers should be taken. After admission, a placement test in reading, writing, and math is required.

Military

Students interested in attending a military academy or the Reserve Officer Training Corps (ROTC) should take a college preparatory curriculum with an emphasis on math and science. Enlistees in the military need to have their high school diploma with a solid foundation in the basic skills, particularly

math, English, and reading. **Male students need to register for selective service once they turn 18!**

Special Programs

The following options could be available for eligible juniors and seniors:

Peer Tutor (semester credit – Pass/Fail)

Work Release (semester credit Pass/Fail)

Independent Study (semester credit-Letter grade) in subject areas not offered in a class may be arranged with approval of teacher, counselor, and principal.

East Central MN College Options (ECCO)

Juniors/Seniors who are eligible for the program and interested in working toward completing the MN Transfer Curriculum block and/or AA degree on their own high school campuses will have the ability to do so through Lake Superior College. All courses are offered online, and registration takes place with the counselor. Eligibility criteria is as follows: 12th grade students must have at least a 2.5 cumulative GPA; 11th grade students must have at least a 3.0 cumulative GPA (this is upon entering that grade level, so students must end their 10th and 11th grade years with those GPAs)

Post Secondary Enrollment Options (PSEO)

PSEO offers you an opportunity to take college courses on the college campus of your choice. Colleges have different criteria for PSEO students but most require 12th grade students to have at least a 2.5 cumulative GPA and 11th grade students to have at least a 3.0 cumulative GPA (this is upon entering that grade level, so students must end their 10th and 11th grade years with those GPAs). PSEO information regarding other colleges of interest can be researched through the individual College/University websites. **Students must notify the high school by May 30th of their intent to do PSEO the following fall.**

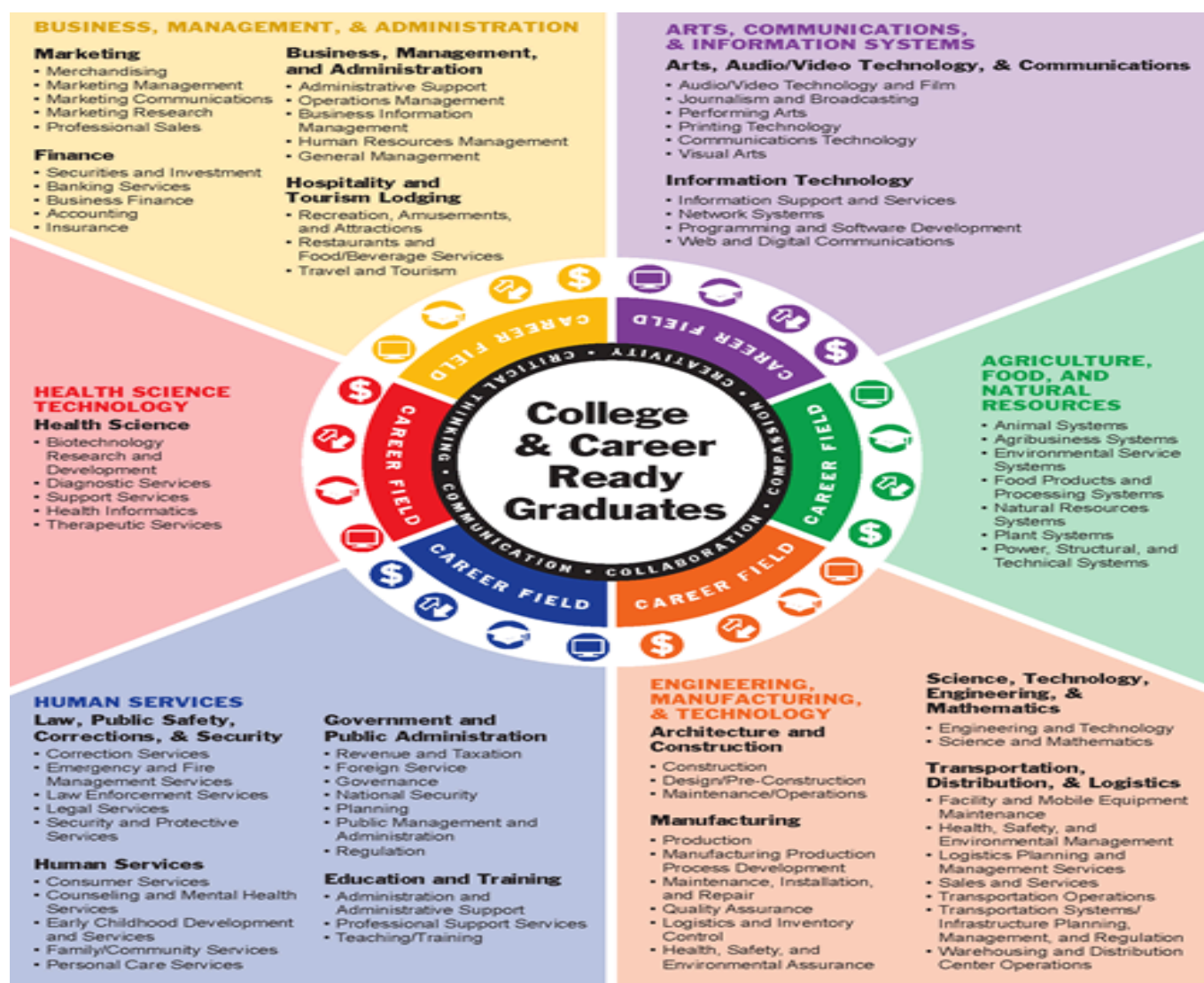
Student Athletes –NCAA Eligibility Requirements

In order to be eligible to participate in athletics in a Division I or II College, you must plan carefully in high school. Please consult the NCAA for the latest eligibility rules and requirements at: www.eligibilitycenter.org

Minnesota Career Fields, Clusters, and Pathways

If you are interested in a particular career field, cluster and pathway, registering for the classes listed in the matrix will provide you with experience within that particular field. Students are not required to enroll or stay in any one particular cluster.

For more information on career fields, clusters, and pathways, please log into your Naviance student account [here](#).



Adapted with permission from the Minnesota Department of Education, Career Fields, Clusters & Pathways, Information Sheet, 2016

Business Management & Administration

	Marketing, Sales, and Service	Business Management & Administration	Finance	Hospitality & Tourism Lodging
9th	<ul style="list-style-type: none"> • Grade Level required classes • Intro to Marketing • Sports Marketing 	<ul style="list-style-type: none"> • Grade Level Required Classes • Intro to Business • Business Communication and Management 	<ul style="list-style-type: none"> • Grade Level Required Classes • Personal Finance 	<ul style="list-style-type: none"> • Grade Level Required Classes
10th	<ul style="list-style-type: none"> • Grade Level required classes • Intro to Marketing • Sports Marketing 	<ul style="list-style-type: none"> • Grade Level Required Classes • Intro to Business • Business Communication and Management 	<ul style="list-style-type: none"> • Grade Level Required Classes • Personal Finance 	<ul style="list-style-type: none"> • Grade Level Required Classes
11th	<ul style="list-style-type: none"> • Grade Level required classes • Intro to Marketing • Sports Marketing • PTCC Business Academy 	<ul style="list-style-type: none"> • Grade Level Required Classes • Intro to Business • Business Communication and Management • PTCC Business Academy 	<ul style="list-style-type: none"> • Grade Level Required Classes • Personal Finance • PTCC Business Academy 	<ul style="list-style-type: none"> • Grade Level Required Classes • PTCC Business Academy
12th	<ul style="list-style-type: none"> • Grade Level required classes • Intro to Marketing • Sports Marketing • PTCC Business Academy 	<ul style="list-style-type: none"> • Grade Level Required Classes • Intro to Business • Business Communication and Management • PTCC Business Academy 	<ul style="list-style-type: none"> • Grade Level Required Classes • Personal Finance • PTCC Business Academy 	<ul style="list-style-type: none"> • Grade Level Required Classes • PTCC Business Academy

Arts, Communications & Information Systems

	Arts, Communications & Information Systems	Information Technology
9th	<ul style="list-style-type: none"> • Grade Level Required Classes • Visual Art (Drawing, Painting, Clay and Sculpture etc.) • Band/Choir • Media Productions 	<ul style="list-style-type: none"> • Grade Level Required Classes • Computer Applications • Digital Design • Emerging Technologies
10th	<ul style="list-style-type: none"> • Grade Level Required Classes • Visual Art (Drawing, Painting, Clay and Sculpture etc.) • Band/Choir • Media Productions 	<ul style="list-style-type: none"> • Grade Level Required Classes • Computer Applications • Digital Design • Emerging Technologies
11th	<ul style="list-style-type: none"> • Grade Level Required Classes • Visual Art (Drawing, Painting, Clay and Sculpture etc.) • Band/Choir • Media Productions 	<ul style="list-style-type: none"> • Grade Level Required Classes • Computer Applications • Digital Design • Emerging Technologies • PTCC IT Academy
12th	<ul style="list-style-type: none"> • Grade Level Required Classes • Visual Art (Drawing, Painting, Clay and Sculpture etc.) • Band/Choir • Media Productions 	<ul style="list-style-type: none"> • Grade Level Required Classes • Computer Applications • Digital Design • Emerging Technologies • PTCC IT Academy

Agriculture, Food, & Natural Resources

	Agriculture, Food, & Natural Resources
9th	<ul style="list-style-type: none"> • Grade Level Required Classes • Agricultural Science • Veterinary Science • Greenhouse Management
10th	<ul style="list-style-type: none"> • Grade Level Required Classes • Agricultural Science • Veterinary Science • Greenhouse Management
11th	<ul style="list-style-type: none"> • Grade Level Required Classes • Agricultural Science • Veterinary Science • Greenhouse Management
12th	<ul style="list-style-type: none"> • Grade Level Required Classes • Agricultural Science • Veterinary Science • Greenhouse Management

Engineering, Manufacturing & Technology

	Architecture & Construction	Manufacturing	STEM	Transportation, Distribution & Logistics
9th	<ul style="list-style-type: none"> • Grade Level Required Classes • Woodworking • Metals 	<ul style="list-style-type: none"> • Grade Level Required Classes • Applied Agricultural Engineering • Metals • Woodworking 	<ul style="list-style-type: none"> • Grade Level Required Classes • Computer Applications • Applied Agricultural Engineering • Forensics • Wildlife Biology 	<ul style="list-style-type: none"> • Grade Level Required Classes • Computer Applications
10th	<ul style="list-style-type: none"> • Grade Level Required Classes • Woodworking • Metals 	<ul style="list-style-type: none"> • Grade Level Required Classes • Applied Agricultural Engineering • Metals • Woodworking 	<ul style="list-style-type: none"> • Grade Level Required Classes • Computer Applications • Applied Agricultural Engineering • Forensics • Wildlife Biology 	<ul style="list-style-type: none"> • Grade Level Required Classes • Computer Applications
11th	<ul style="list-style-type: none"> • Grade Level Required Classes • Pre-Calculus • Woodworking • Metals 	<ul style="list-style-type: none"> • Grade Level Required Classes • Applied Agricultural Engineering • Metals • Woodworking 	<ul style="list-style-type: none"> • Grade Level Required Classes • Computer Applications • Applied Agricultural Engineering • Forensics • Wildlife Biology • Anatomy and Physiology • Pre-Calculus 	<ul style="list-style-type: none"> • Grade Level Required Classes • Computer Applications
12th	<ul style="list-style-type: none"> • Grade Level Required Classes • Calculus • Woodworking • Metals 	<ul style="list-style-type: none"> • Grade Level Required Classes • Applied Agricultural Engineering • Metals • Woodworking 	<ul style="list-style-type: none"> • Grade Level Required Classes • Computer Applications • Applied Agricultural Engineering • Forensics • Wildlife Biology • Anatomy and Physiology • Calculus 	<ul style="list-style-type: none"> • Grade Level Required Classes • Computer Applications

Health Science Technology

	Health Science Technology
9th	<ul style="list-style-type: none"> • Grade Level Required Classes
10th	<ul style="list-style-type: none"> • Grade Level Required Classes
11th	<ul style="list-style-type: none"> • Grade Level Required Classes • Anatomy and Physiology • PTCC Healthcare Academy
12th	<ul style="list-style-type: none"> • Grade Level Required Classes • Anatomy and Physiology • PTCC Healthcare Academy

Human Services

	Education & Training	Government & Public Administration	Human Services	Law, Public Safety, Corrections & Security
9th	<ul style="list-style-type: none"> • Grade Level Required Classes 	<ul style="list-style-type: none"> • Grade Level Required Classes 	<ul style="list-style-type: none"> • Grade Level Required Classes 	<ul style="list-style-type: none"> • Grade Level Required Classes
10th	<ul style="list-style-type: none"> • Grade Level Required Classes 	<ul style="list-style-type: none"> • Grade Level Required Classes 	<ul style="list-style-type: none"> • Grade Level Required Classes 	<ul style="list-style-type: none"> • Grade Level Required Classes
11th	<ul style="list-style-type: none"> • Grade Level Required Classes 	<ul style="list-style-type: none"> • Grade Level Required Classes 	<ul style="list-style-type: none"> • Grade Level Required Classes • College Psychology 	<ul style="list-style-type: none"> • Grade Level Required Classes • College Psychology
12th	<ul style="list-style-type: none"> • Grade Level Required Classes 	<ul style="list-style-type: none"> • Grade Level Required Classes 	<ul style="list-style-type: none"> • Grade Level Required Classes • College Psychology 	<ul style="list-style-type: none"> • Grade Level Required Classes • College Psychology

Elective Options

The Arts:

Photography (Fall)
Clay and Sculpture (Fall)
Intro to Art (Fall)
Media Productions (Fall/Spring)
Drawing (Spring)
Taxidermy (Spring)
Painting (Spring)
Senior Band (Year-Long)
Senior Choir (Year-Long)

Business Education:

Personal Finance (Fall)
Intro to Marketing (Fall)
Computer Science (Fall/Spring)
Entrepreneurship (Spring)
Accounting (Spring)

Agricultural/Vocational:

Food Science (Fall)
Woods (Fall/Spring)
Basic Electrical (Fall/Spring)
Metals (Fall/Spring)
Greenhouse Management (Spring)

Mathematics:

Pre-Calculus (Year-Long)
Calculus (Year-Long)

Science Department

Crime Scene Investigation (Fall)
Forensics Biology (Spring)
Wildlife Biology (Year-Long)

Physical Education:

Health & Wellness (Fall)
Strength & Conditioning (Fall)
Individual & Team Sports (Spring)
Lifetime Activities (Spring)

Social Studies:

Introduction to Psychology (Fall; 12th grade only)

Introduction to Sociology (Spring; 12th grade only)

World Languages (Year-Long):

TV Spanish 1

TV Spanish 2*`

TV French 1

TV French 2*`

TV German 1

TV German 2*`

TV ASL 1

*Students must have successfully completed the level 1 course to move onto level 2.

**Advanced course options (ex. Spanish 3 & 4) are available to interested students.

PTCC ITV Courses:

TV Early Childhood Education Academy

TV Intro to Auto*

TV Healthcare Academy*

*May require on-campus attendance periodically

Course Descriptions

The Arts

Drawing

This course is for students who have an interest in art and want to **actively try to improve their drawing skills.** Students will be exposed to a wide range of techniques and projects.

Painting

This course is for students who have an interest in art and want to **actively try to improve their painting skills.** Students will be exposed to a wide range of techniques and projects.

Clay and Sculpture

This course is for anyone interested in creating and learning about three-dimensional objects. We will cover a wide range of clay pottery and sculpture techniques including artist research. Individual development is encouraged and a wide variety of methods will be explored such as; glazing and other finishing techniques. Students will have the opportunity to work on the potter's wheel. Emphasis will be placed on personal and creative expression.

Media Production

This is a new class to the art department. This class is ready for all actors and editors alike. This class will watch movies to find meaning behind the shots and scenes as well as how they are set up. You will become an actor behind the screen as well, creating short skits and performing in front of the camera. We have been granted 4 incredible cameras through a recent grant, these cameras are able to record in 4k. Someone say "Lights...Camera...Action!"

Taxidermy

Students will be introduced to the art of taxidermy through this semester course. Students will gain hands on experience with a variety of game species, including a small mammal (squirrel), birds (pheasant/chukar-partridge), fish (sunfish and perch), and an antler mount. Students are asked to supply their own fish and game for this course. If students are unable to supply their own species, arrangements can be pre-arranged. Class size is limited.

Intro to Art

Intro to Art encourages students to gain an understanding and appreciation of art in their everyday lives. Presented in an engaging format, this semester course provides an overview of many introductory themes: the definition of art, the cultural purpose of art, visual elements of art, terminology and principles of design, and two- and three-dimensional media and techniques.

Digital Photography

This class will utilize student digital cameras (cellphone) and School Supplied Canon EOS M50. Chromebooks using Pixlr photo editor. In this class students will learn the following: A general overview of fundamentals and techniques for capturing quality photographs. How to use photo editing software (Pixlr E) and the basics on how to share and organize images using Google Drive.

Course Objectives/Standards:

- Understand fundamentals of photography
- Understand composition, lighting and camera angles
- Ability to digitally alter photos
- Capture well composed images with photographer's creativity
- File storage and management

Senior Band

Students in band will play a variety of music including classical, pop, movies, musicals, and more! We rehearse daily; practicing proper technique, rhythm reading, sight-reading, tuning, tone production, and musical nuance.

Lessons are available outside of class for those that are interested. Band students will have the opportunity to perform in Pep Band, Jazz Band, All-Conference, Honors Bands, All-State, Marching Band, and MSHSL solo/ensemble contests. The band performs 3 concerts each year. Students that qualify can earn college credit while in band through Central Lakes College with the CIS program.

Senior Choir

Choir is for students who wish to sing in a large ensemble. The choir will rehearse daily, practicing proper vocal technique, sight-singing, rhythms, and other forms of musical expression. Members are required to take a minimum of one voice lesson per quarter and have the opportunity to perform in Echelon, All-conference Choir, and All-State Choir. Three concerts and several other performances will be involved throughout the year.

Business Department

Introduction to Marketing

This is an introductory level class. Students will study the free enterprise system, business terminology, their positions as consumers, and among other things, significant personal and general economic concepts. We will explore Entrepreneurship. Entrepreneurs are their own boss, are able to be creative, own their own business, make more money and set their own schedule.

Accounting

This is a semester-long course for grades 11-12.

Accounting is a skill-level course that is of value to all students pursuing a strong background in business, marketing, and management. Using financial information, students will learn how to make decisions about planning, organizing, and allocating resources using accounting procedures. Performing accounting activities for sole proprietorships and corporations following Generally-Accepted Accounting Procedures are included in the course. Students analyze business transactions and financial statements, perform payroll, and evaluate the effects of transactions on the economic health of a business.

Computer Science

This class will focus primarily on coding. This course introduces fundamental concepts of computing and problem-solving techniques using the programming language. Topics covered include computer organization, data representations, algorithm design, coding, testing, and debugging strategies. Prior coding knowledge is not required.

Entrepreneurship

This class will focus on creating a business or invention and getting it started from the ground up. We will learn about naming a business and all that goes into a start-up. We will also interview many local entrepreneurs. This is a fun

hands-on class.

Personal Finance

Personal Finance is a course designed to help students understand the impact of individual choices on occupational goals and future earnings potential. Topics covered will include income, money management, spending and credit, as well as saving and investing. Students will design personal and household budgets, simulate use of checking and savings accounts, demonstrate knowledge of finance, debt, and credit management, and evaluate and understand insurance and taxes. This course will provide a foundational understanding for making informed personal financial decisions.

Agricultural/Vocational Department

Greenhouse Management

Landscaping is a Horticulture class that emphasizes production of horticulture, landscape design, landscaping processes, gardens, retaining walls, pavers, plant selection, plant identification, plant experiments, greenhouse work, and other aspects of the horticulture industry. This class involves a lot of hands-on learning along with outdoor work. Students that have allergies to dust, pollen and spring seasons should talk to the instructor prior to taking the class. This is a production class so be prepared to get your hands DIRTY.

Agricultural Systems

Semester 1 will include experiences with small engines. Engine part ID and troubleshooting will also be included in this course.

Semester 2 will include experiences with electronics and residential wiring. Electronic wiring, programming and residential wiring basics will be included in this course.

Food Science

This course is designed for students to learn the relationships between science, food, and nutrition. Students will explore the characteristics of each component found in food. Experiments done in class will help students

understand and analyze how scientific principles are applied to creating nutritious food products. Understanding the relationship between food and science will help students evaluate the health impact of different foods.

Metals

Various aspects of metalworking will be explored including production, career exploration, teamwork and application of math skills. Major emphasis will be placed on welding. You will learn how to use arc welding, MIG (wire-feed) welding, sheet metal equipment, and other power and hand tools associated with metalworking. Safety will be emphasized greatly in this class as you complete projects.

Advanced class is project based, jewelry making, sculpture, CNC and Manual Machining

Woods

Woods will cover various woodworking techniques. Students will work in teams to plan, create structure, and finish a piece for a manufactured project. Planning will include drafting, wood selection, materials list, and budgeting. The structure will include team activities and building. You will demonstrate the skills required for safety, and the safety of your classmates. Technical reading and writing will be required.

Language Arts Department

English 9

This course will focus on composition, literature, speech, writing, vocabulary and grammar. These parts will be integrated and it will be the purpose of

the course to teach the basic skills in speaking and grammar, placing stress on literary terms and writing skills.

English 10

This course will consist of literature (plays, poetry, novels, short stories, biography/ autobiography) vocabulary in context; and writing (both technical and creative) with grammar and punctuation taught in context. A speech component will also be a part of this class. There will also be a free-reading component where students choose and respond to novels of their choice.

English 11

This course will consist of American literature, writing, speaking and grammar. The Writing and Literature will be connected through analysis and evaluation of the author's purpose, inspiration, and effect on their contemporaries. Literature will concentrate on the works of the American author.

English 12

This course will consist of British literature, writing, speaking and grammar. The students will learn to write a refined paper, address themselves in public speaking elements and concentrate on the works of British authors. This course has two main components: British literature and technical writing. Students will critically read works of British authors, playwrights and poets. They will also do presentations, collaborative work, creative thinking and problem solving. Focus on 21st century skills.

Mathematics Department

Intermediate Algebra

Topics covered are:

Introduction to Algebra

Integers and Rational Numbers

Equations

Inequalities

Exponents and Polynomials

Polynomials and Factoring

Graphs and Linear Equations
Systems of Equations
Inequalities and Absolute Value
Rational Expressions and Equations
Radical Expressions and Equations
Relations and Functions
Quadratic Equations

Algebra 2

Topics Covered:

Tools of Algebra: Real numbers
Equations and inequalities
Functions and graphs
Systems of equations and inequalities
Matrices and determinants
Quadratic functions
Polynomial functions
Radical functions
Exponential and logarithmic functions
Sequences and series
Probability and statistics

Standards Completed:

Mathematical Reasoning

Number Sense, Computation, and Operations Patterns, Functions, and Algebra

Data Analysis, Statistics, and Probability

Geometry

Topics covered:

Tools of geometry
Reasoning and Proof
Parallel & perpendicular lines
Congruent triangles
Relationships within triangles
Quadrilaterals
Area
Similarity
Right triangle trigonometry

Surface area and volume

Circles

Transformations

Standards Completed:

Mathematical Reasoning

Spatial Sense, Geometry, and Measurement

Technical Math

Topics covered:

Ratios, percentages, and proportions

Interpretation of graphical data

Mathematics of Taxation

Mathematics of Retail

Mathematics of Saving and Borrowing

Probability and statistics

Logic

Exponential and logarithmic functions

Inflation and Depreciation

Patterns in Nature

Mathematics of health, fitness and sports

Additional topics as time permits

Standards Completed:

Mathematical Reasoning

Number Sense, Computation, and Operations

Patterns, Functions, and Algebra

Data Analysis, Statistics, and Probability

Functions, Statistics, and Trigonometry (FST)

The goal of Functions, Statistics, and Trigonometry is to present topics from these three areas to help students prepare for everyday life and future courses in mathematics. Within the course we will review topics from algebra courses to help prepare students for an entry level college mathematics course. We will also prepare for the MCA and ACT. Prerequisite courses are: Algebra 1, Geometry, and Algebra 2.

Physical Education + Health Department

P.E. 9 A/B

Physical Education 9 will foster vigorous physical activity with the emphasis on improvement of physical fitness. The students will complete a fitness assessment. The class will provide opportunities for good sporting conduct. Finally, the students will develop specific activity skills that lead to successful participation in individual, dual, and team activities. **This class will meet the local graduation requirement.**

Strength & Conditioning

Challenge yourself with aerobic conditioning, weight training, plyometrics, HIIT workouts, increasing flexibility and much more!!

We will be evaluating our Health and Skill Related Fitness Components, developing personalized plans to maintain and/or increase fitness levels. Please expect to change for this class and have supportive athletic shoes.

Lifetime Activities

Learn and play activities that can be utilized throughout your lifetime! Learn how to stay active throughout all stages of life. Please expect to change for this class and have supportive athletic shoes.

Activities Include (not limited to)

- Pickleball
- Outdoor Pursuits
- Badminton
- Dance!

- Basketball skills
- Volleyball skills
-

Individual & Team Sports

Learn how to play as part of a team/group! We will focus on:

- Sportsmanship
- Refereeing principals
- Basketball
- Volleyball
- Pickleball
- Tennis
- Badminton
- Track and Field
- Football techniques
- Rugby techniques (not “real” rugby)

Health & Wellness in Your Life

Learn about stress relief techniques, nutrition and healthy eating tips, weight management strategies, lifetime activities, weight lifting tips and strategies, and creating a personalized workout plan. Please expect to change for this class and have supportive athletic shoes.

This class will play cooperative games at times, but please don't expect to play dodgeball.

Health 10

The required one semester of health at Braham is designed to motivate in each student an appreciation of the importance of good health. It will help students to recognize the total self; the physical, the emotional, the mental and social facets of the individual. A CPR (Cardiopulmonary Resuscitation) unit is also taught within the health class and is a requirement for graduation.

Science Department

Science 9

This is a two semester course which is required for all ninth graders. The course comprises two major units: pre-physics and pre-chemistry. Topics included in the year are: current knowledge on the universe and the phenomena that occur, the basic principles of matter and energy; the study of atoms, elements and compounds of everyday life; along with chemical processes that affect each of us throughout our lives.

Biology

This two semester course is designed to give each student a general background in life science in addition to preparing students for any college courses in biology. In this class we will learn how to conduct the scientific method while using proper lab skills and will study the following topics: taxonomy, evolution, ecology, cells, genetics, body systems and how they affect our daily lives. This is a rigorous course that expects students to conduct cooperative group work, experiments or labs, research powerpoints/papers/ presentations, as well as independent study at home.

Chemistry

Atomic Structure leads off the course, followed by the study of the periodic table, chemical bonds, formula and equation writing, and gas laws. Students will also study solutions, acids, bases and salts, food chemistry, and various other chemistry topics.

Wildlife Biology

This is a yearlong course for 11th and 12th grade students designed to build off some of the principles learned in 10th grade Biology. It focuses on ecology, zoology, and wildlife conservation. All of the major animal groups will be studied. The primary purpose of the class is to build an appreciation for the living creatures on our planet.

Those who sign up for this course should be prepared to go outside and experience nature and to work with animal specimens in the lab.

Crime Scene Investigations

Students will learn terminology and investigative procedures related to:

- observations, evidence, and collection at the crime scene,
- characteristics of blood and blood spatter,
- hair and fingerprint analysis,
- toxicology,
- firearms and ballistics,
- arson and fires,
- and criminal behavior and psychology, and criminal profiling.

Using scientific methods, students will collect and analyze evidence through:

- case studies,
- simulated crime scenes such as fingerprint analysis and blood spatter analysis,
- microscope technology such as hair analysis, and
- laboratory work involving drugs.

Forensic Biology

Many of the basic concepts of general and human biology and biochemistry are used to solve crimes.

Topics include:

- manners, causes, and mechanisms of death,
- time of death and stages of decomposition,
- DNA structure and analysis,
- analysis of skeletal evidence (forensic anthropology),
- biological trace evidence such as cells, blood, and other body fluids,
- types of wounds,
- and wildlife (soil, plants, etc.).

Using scientific methods, students will study these topics through:

- case studies,
- hands-on lab analysis, such as measuring bones, and
- technology such as DNA electrophoresis.

Social Studies Department

Civics/Government 9

What does it take to be an active, informed citizen? Civics holds the answer for a changing society. In this course, students will analyze the role of the individual and the evolution of our country and government. Students will discover the importance of individualism and how it affects the democratic process in the United States. Topics such as citizenship, foundations of government, rights and responsibilities, federal, state, and local governments, political systems and the economy will be highlighted. Through this course students will gain a higher understanding of their past, present and future as well as the importance of civic participation.

World Geography 9

Geography is the study of the world and human interaction among cultures. In this required course, students will gain an understanding of what geography is through the use of maps and in depth studies of different regions of the world. There will be an emphasis in this course on map work and the relationship amongst people of different cultures and regions. The students will know why different regions in the world are the way they are. Finally, a career unit will take place in this course.

World History

World History is a course of study that may be divided into different areas of concentration: the ancient, medieval, and modern ages. The course is taught in a way that exposes the learners to the events which have molded civilizations to where they are today. Students will examine the cultural influences of art and music as well as the events that have shaped World History. In this age of advanced communication and transportation, which brings people of various backgrounds closer together, the study of past events is a positive force in helping to understand our ever-changing society.

U.S. History

History is what we are, were, and can become. The events of the past are linked to the present. Students will witness the relationship between the

past and present and will undoubtedly see history is the story of life. Students will analyze the decisions, mistakes, contributions, and assumptions individuals, social/political groups, and governments have had on the events of our past. Through discussion, research activities, and simulations students will be asked to dissect history from the viewpoint of the participants and evaluate their significance from the past and today's perspective.

College US History

Prerequisite: Must be in the top 30% of their class in order to participate in this course and have teacher approval.

History is what we are, were, and can become. The events of the past are linked to the present. Students will witness the relationship between the past and will undoubtedly see history as the story of life. Students will analyze the decisions, mistakes, contributions, and assumptions individuals, social/political groups, and governments have had on the events of our past. Through discussion, research activities, and simulations, students will be asked to dissect history from the viewpoint of the participants and evaluate their significance from the past and today's perspective. This is a two semester survey class where you can earn six possible college credits through the University of MN. There are certain prerequisites to be met before you will be allowed into the class. This class is the equivalent of a freshman college US History course and the workload will reflect that. A strong emphasis on good writing technique is needed for this class.

Economics

Economics is an introductory course of both microeconomic and macroeconomic concepts. The course investigates the problem of scarcity and its impact on choices made by individuals, organizations, businesses, and governments. This course will give the students a greater understanding of economics ranging from the viewpoint of the individual consumer or small business owner to the global economy. The course will study the law of supply and demand, forms of business, labor unions, government finances and influence on the economy, money and prices, inflation and deflation cycles. The course relates history and politics to the study of economics. The ups and downs of the American economy and current economic social issues will also be investigated.

Intro to Psychology

Intro to Psychology will provide students with a broad introduction to the field of psychology, one of the social sciences. This course will focus on individual behavior and why an individual thinks, feels, and reacts to certain stimuli. Major emphasis will be placed on the history of psychology, research methods, stages in childhood and adolescence, how the brain works, altered states of consciousness, psychological testing, and psychological disorders.

Intro to Sociology

Sociology studies human society and social behavior. Positive human relationships are an essential part of a civilized society and how we interact with each other is important so that we can find answers to questions and solve problems in our world. Sociology teaches us to look at life in a scientific, systematic way. The way we view the world comes from what we learn in our everyday activities. The values, beliefs, lifestyles of those around us, as well as historic events help to mold us into unique individuals who have varied outlooks on social reality. This course deals with the social atmosphere that helps to make us who we are and how we behave. Sociology will cover topics such as culture, violence, deviance, social control, socialization and personality, group behavior, social class, and social institutions. The key component of this course is to study ourselves and the society that influences our behavior.

ECMECC (TV Interactive Classes)

(T.V.) Spanish I

In Spanish 1 you will be introduced to the language and cultures (beliefs, lifestyles, and characteristics) of the Spanish-speaking world. The Spanish language differs from English in grammar structures. Be prepared to spend 10-15 minutes daily on the study of Spanish. First Semester topics include giving information about yourself like name, age, origin, classes, likes, dislikes, and free time activities. Also includes an overview of the location of Spanish-speaking countries. Second Semester topics include giving information about your town, the weather, family, food and ordering in a restaurant, clothes and shopping. Also includes writing a travel brochure for

a Spanish-speaking country. Students are also required to complete one culture project each semester.

(T.V.) Spanish 2

An intense continuation of the study of Spanish, the cultures and the language. The focus is on grammar with opportunities to verbally and in writing express these concepts. First Semester topics include a review of concepts learned in Spanish 1, giving information about yourself regarding how you feel and why, what you've done in the past, your daily routine, giving opinions, and making comparisons. Second Semester topics include staying fit and healthy describing people, places and things of the past, and shopping for clothes. Includes a look at the history and culture of Mexico. Also one culture project each semester.

(T.V.) French 1

Est-ce que tu veux etudier? Learn French while interacting with students from neighboring high schools via interactive TV technology. Learn to speak, read, write, and understand the French language. The vocabulary learned this first year is very basic to survival in a French speaking country. You will also learn about the culture, cuisine, and history of "le monde francophone" (the French speaking world).

(T.V.) French 2

French 2 is a one-year course that emphasizes the foundation of skills of speaking, listening, writing and reading, taught through the application of simple grammatical concepts. Students will review materials from the first year to study, continuing to develop proficiency in communicative skills, and deepen appreciation of francophone culture. The Standards for World Language are integrated into the course throughout the entire year and goals for each unit are posted in the classroom for students to view.

(T.V.) German 1

This course introduces the beginning student to the language and culture of the German-speaking countries. Emphasis is placed on using German in everyday situations. Students will learn to use their new language in such situations as meeting new people, going to school, telling time, ordering in a restaurant, traveling by train, going to the movies and participating in

sports. Much of the language is acquired by classroom drill and practice but learning also takes place through the use of games, songs, and other projects. In addition, students will learn about the culture and customs of Germany, Austria, and Switzerland. Because a foreign language requires memorization and daily study, students should be prepared to spend 10-15 minutes each day studying outside of class. The basic text used is Genial.

(T.V.) German 2

German 2 is a continuation of German 1 with Genial used as the text. Students will continue to develop their vocabulary and acquire new and more complex language skills. The end of the course will have exposed students to most of the common aspects of German grammar and should be able to carry on extended conversations on a variety of topics. Among the units covered in the course are travel, holidays, letter writing, animals, buying a car, and various types of food. As in the German 1, daily study is a must. Students should be prepared to spend 10-15 minutes daily on study outside of class.

(T.V.) ASL 1

American Sign Language will introduce students to the language and culture of the Deaf people in the United States. The course will focus on specific language and cultural behaviors, as well as introduce students to the grammar of ASL. Students should possess strong English language skills, be self-motivated, comfortable with using technology for assignments and capable of independent study and practice. Students will participate extensively in interactive classroom activities using the "Voices Off" Policy to ensure ASL immersion.

(T.V.) College Algebra/Trigonometry (Pre-Calc)

This course presents the student with solution methods and applications of linear, quadratic, rational, and radical equations, basic complex numbers, functional graphs and transformations, polynomial and rational functions, exponential and logarithmic functions and systems of equations and inequalities. Spring semester of this course will introduce the concepts of trigonometry functions through both right-angle and unit circle approaches and their inverse functions.

(T.V.) College Calculus

Designed for students intending to major or minor in mathematics, physics, and engineering or in other sciences. Includes a review of functions and inequalities; analytic geometry; a rigorous introduction to limits, continuity and differentiation of algebraic functions; theory and techniques of integration; differentiation and integration of transcendental functions; and applications of calculus to graphing and to physical problems. Successful completion of this class will earn you college credits from Anoka-Ramsey Community College.

(T.V.) Intro to Auto

This course covers basic principles of automotive systems, safety, hand tools, maintenance requirements, and basic automotive service procedures. Students will learn and follow correct procedures for servicing vehicles, shop safety, use of service manuals and bulletins, and interpretation of vehicle specifications. Tube flaring, fasteners bearings, seals and use of shop equipment are discussed and utilized as applied to vehicle servicing. This course will meet 3 days per week with a required on-campus lab 1 day per week. **Recommended for the Fall of Senior year.**

ITV Healthcare Academy

Students must successfully complete this course with an 80% "C" or better to meet requirements for PTCC program pre-reqs. Students who complete this course with less than an 80% "C" or better will still receive PTCC credit, but the credits will not satisfy healthcare program prerequisites at PTCC. None of the Healthcare Academy courses satisfy any of the MnTC Goal areas.

(T.V.) Introduction to Health Careers I

This course will introduce students to healthcare considerations and expectations. Students will explore legal and ethical influences on healthcare, while developing a basic understanding of medical terminology and therapeutic communication techniques in healthcare careers. ***This is taken with Medical Terminology Fall Semester.**

(T.V.) Medical Terminology

This course reinforces correct word definitions, pronunciation, and spelling as

studied in Medical Terminology. Students will be introduced to additional terminology specific to all body systems as well as abbreviations, eponyms, and common drug names. Students will apply medical terminology to basic interpretation of focused Internet searches. Medical terminology as it relates to basic anatomy and functions of the body systems will be further explored. ***This is taken with Intro to Health Careers I Fall Semester.**

(T.V.) Introduction to Health Careers II

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

(T.V.) Pharmacology

This course will provide the student with an introduction to basic pharmacology. Students will be presented with the major drug classifications as they relate to body systems. ***This is taken with Intro to Health Careers II Spring Semester.**

CNA Track

The following on-campus course, combined with HCCC 1215 Intro to Health Careers I and HCCC 1220 Intro to Health Careers II, and upon successful completion of the NATO examination, will qualify students for placement on the Nursing Assistant Registered (NA/R) with the state of Minnesota and employment in a healthcare facility under the direct supervision of a licensed nurse.

(T.V.) Healthcare Career Skills Set

This course is an introduction to basic nursing care skills and concepts necessary to prepare an individual to be eligible to take the Nursing Assistant Test-Out (NATO) examination.

(T.V.) Medical Dosages

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

Early Childhood Education Academy

The increasing need for educated early care and education caregivers can lead to a rewarding and challenging career in child care centers, pre-schools, early childhood education, and many other settings. The Early Childhood Education Academy exposes students to this in-demand field through four introductory courses.

Pine Pathways - The college credit earned through the Early Childhood Education Academy will completely transfer into PTCC's Early Childhood Development certificate, diploma, and Associate of Applied Science degrees.

(T.V.) Introduction to Early Childhood Education

This course provides an overview of the early childhood field, including philosophies, missions, and regulations. Students will examine the roles, responsibilities and job requirements of professionals in a variety of career settings, positive communication and relationships with families.

(T.V) Health, Safety, and Nutrition

This course is an introduction to the regulations, standards, policies, and procedures, prevention techniques, and early childhood curriculum related to health, safety, and nutrition. Students will identify components that ensure physical health, mental health, and safety for both children and staff, as well as the importance of collaboration with families and health professionals. A focus will be on integrating the concepts into everyday planning and program development.