



shakopee.k12.mn.us

2025-26 Registration Guide

Shakopee High School
100 17th Avenue
Shakopee, MN 55379

Shakopee
PUBLIC SCHOOLS
EDUCATION FORWARD



A LETTER FROM THE PRINCIPAL

Dear Shakopee High School Students and Families,

The Shakopee High School team is proud to share the **2025-26 Registration Guide**, which will serve as an important tool as you plan for the upcoming school year, and beyond. From counselors and teachers to Academy Principals and building administrators, the entire team is here to support your journey through the Academies of Shakopee and are always available to answer questions.

As students progress through the Academy model, which is only one of two in the State, it is important to remember that our focus is on **college and career readiness** no matter what Academy a student may select or take courses in. Students are encouraged to explore various areas of interest while also having the opportunity to create a defined pathway in their educational journey.

Registration for the 2025-26 should be completed by the end of January (2025). We encourage all students and families to review the guide, in-depth, and ask questions so everyone is set up for success! Course requests also help determine staffing and scheduling for the upcoming school year. Specific teachers and class locations are announced when schedules are released mid-August. Counselors and other Shakopee High School staff will reach out to students and families if registration changes or questions arise.

Also, one of the best components of the Academies of Shakopee is the **strong community partnerships that greatly support the student learning experience.** From Valleyfair, Bayer, Entrust, Hometown Bank, Canterbury Park, Scott County and the City of Shakopee to the Shakopee Mdewakanton Sioux Community, St. Francis Regional Medical Center/TRIA and 80+ other businesses, the greater community is behind our Sabers and will help provide authentic, real-world learning experiences each school year!

We look forward to continuing to support you and your family!

Jeff Pawlicki | Principal, Shakopee High School | 952.496.5152



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MISSION

Shakopee Schools, in partnership with our community, will educate lifelong learners to succeed in a diverse world

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ATHLETICS & ACTIVITIES

For an overview of the wide array of athletics and activities Shakopee Public Schools has to offer, scan the QR code below.



COURSE CREDIT

The school year is divided into four quarters. A successfully completed one-quarter course will earn one credit. Courses concurrently enrolled with a college or university will earn a minimum of one credit for every two college/university semester credits. (Please consult course descriptions in this Registration Guide.)

Please refer to the table below to review graduation requirements. Students must meet or exceed credits in each of the following subject areas/categories:

GRADUATION REQUIREMENTS		
TOTAL CREDITS	GRADE(S)	TYPICAL COURSES OFFERED THAT MEET GRADUATION REQUIREMENTS
ENGLISH		
8 Credits	9	English 9 OR Accelerated English 9
	10	English 10 OR Accelerated English 10
	11	English 11 OR AP Lang & Comp, CIS Public Speaking, CIS Intro to Literature
	12	English Requirements 2 Semesters - See Department section for qualifying courses
HEALTH		
1 Credit	10-12	Healthy Lifestyles
PHYSICAL EDUCATION		
2 Credits	9	Fit For Life OR Intro to Sport Performance
	10-12	Advanced Fit for Life OR Advanced Sport Performance
MATHEMATICS		
6 Credits	9	Intermediate Algebra OR Accelerated Algebra II OR Pre-Calculus OR AP Pre-Calculus
	10	Geometry OR Pre-Calculus OR AP Pre-Calculus OR Calculus OR CIS CSE Calculus I
	10	Class of 2026, 2027 Functions, Statistics, & Trigonometry OR Pre-Calculus OR AP Pre-Calculus OR See Department section for additional options
	11	Class of 2028 and Beyond Algebra II OR See Department section for additional options
SCIENCE		
6 Credits	9	Physics 9 OR AP Physics I
	10	Chemistry OR AP Chemistry
	11	Biology OR AP Biology
SOCIAL STUDIES		
8 Credits	9	Human Geography OR AP Human Geography
	10	Modern U.S. History OR AP US History
	11	Modern World History OR AP World History
	12	Class of 2026 US Political and Economic Systems AND 1 Social Studies Elective
	12	Class of 2027 and 2028 US Government OR CIS: American Democracy in a Changing World Economics OR CIS: Principles of Microeconomics
	10-12	Class of 2029 and Beyond US Government OR CIS: American Democracy in a Changing World, Economics OR CIS: Principles of Microeconomics Required additional 1 credit Social Studies Elective See Department section for qualifying courses
FINE ARTS		9 TH GRADE SEMINAR
2 Credits		1 Credit
FINANCIAL LITERACY		PROGRAM OF STUDY (3 COURSE SEQUENCE)
1 Credit		3 Credits

TOTAL REQUIRED CREDITS	TOTAL ELECTIVE CREDITS	TOTAL CREDITS REQUIRED TO GRADUATE	TOTAL POSSIBLE CREDITS
38	18	56	64

COURSE CREDIT EXAMPLES

Below are two examples showcasing both High School Credit and High School & College credit options.

HIGH SCHOOL CREDIT ONLY OPTION

English 10 – A & B
Grade Level: 10
Credits: 2 Credits
Prerequisite: None
NCAA Core Course

HIGH SCHOOL & COLLEGE CREDIT OPTION

CIS: Principles of Microeconomics - A & B (APEC 1101)
Grade Level: 12
Credits: SHS: 2 Credits
College: 4 semester credits from University of Minnesota
Prerequisite: None
Eligibility: Must meet the University of Minnesota’s course admission requirement: Must be a junior or senior in the top 20% of the class or instructor approval.
NCAA Core Course

COLLEGE ADMISSIONS

COLLEGE ADMISSIONS

Minimum High School Requirements for Admission to Four-Year Colleges & Universities (9th–12th Grade)

- English | 4 years | 8 SHS Credits
- Math | 3 years | 6 SHS Credits
- World Language | 2 years (same language) | 4 SHS Credits
- Science | 3 years | 6 SHS Credits
- Social Studies | 3 years | 6 SHS Credits
- Fine Arts | 1 year | 2 SHS Credits

Some colleges may require additional coursework. For example, the University of MN requires 4 years of mathematics. Parents and students are encouraged to investigate the admission requirements for specific colleges of their choice. Your counselor can assist with researching specific college requirements.



FINE ARTS (2 CREDITS)

Some Colleges have admission standards that include Fine Arts Credit.

Both credits can be completed at any time in grades 9-12. To qualify for the fine arts credit, a course must focus on artistic skills and qualities and the production of a work of art.

Courses meeting the requirements include:

- 9th Grade Band*
- Advanced Art Studio
- AP Studio Art*
- Bel Canto Choir*
- Cantare*
- Ceramics 1*
- Ceramics 2*
- Concert Band*
- Concert Choir*
- Creative Professional
- Creative Writing
- Design Fundamentals
- Drawing, Painting & Printmaking
- Graphic Design 1*
- Graphic Design 2*
- Fashion Merchandising & Design
- Interior Design
- Music Production 1
- Music Production 2
- Performance Studio
- Photography*
- Practical Art*
- Saber Choir*
- Shakopee Winds*
- Symphonic Band*
- Theatre
- Video Production 1
- Video Production 2
- Wind Ensemble*

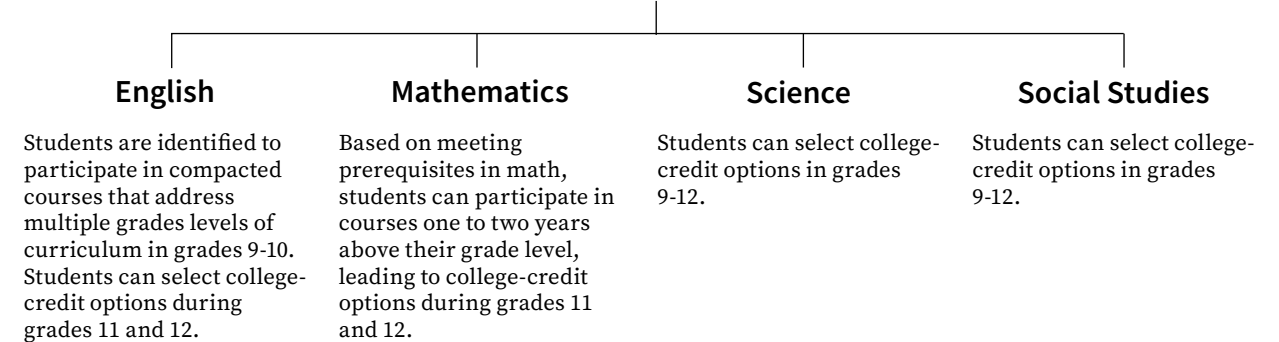
* Students planning to attend a 4-year college or university should plan to take their fine arts credit within the music or art department.

ADVANCED COURSES

Shakopee Public Schools offers a variety of advanced courses, in grades 9-12, intended to provide appropriate challenges for students who want a more rigorous curriculum.


Accelerated Courses

The goal of accelerated courses is to provide students the opportunity to engage in above grade-level content and to pursue college-credit courses. Due to the unique nature of each content area, this will lead to different pathways in each area. Students can either select accelerated course options or students are identified for placement based on district-defined criteria based on content area. Students will experience the following by each content area:




OVERVIEW OF COLLEGE CREDIT OPTIONS


There are a variety of ways students can earn college credit while attending Shakopee Schools. See below for a brief overview of these options and eligibility criteria established by partnering colleges or universities. Please see your counselor for specific criteria on each of these options.

 **Concurrent Enrollment** (College in the Schools – CIS, Normandale Community College, Hennepin Technical College, St. Cloud State) is a dual enrollment program in which students who successfully complete a course receive transcribed college credit and High School credit. University or college credit is awarded to students who successfully meet the standards of both the High School and college course.

Eligibility criteria for concurrent enrollment courses vary for each course. Please see the individual course descriptions for these criteria.

 **Advanced Placement (AP)** is an international program of college-level coursework. Typically, students who earn a 3, 4, or 5 on the AP test may qualify for college credit. To make sure that a particular college accepts AP credit, students must contact the specific college. The students' experience in an AP course, and what makes them eligible for college credit, include preparing for and taking the AP National Exam.

There are no eligibility criteria for AP courses established by the College Board. However, there may be prerequisite or corequisite course requirements.


 **Project Lead the Way (PLTW)** is a national program that provides students opportunities to gain the science, technology, engineering, and math skills necessary to succeed in a global economy. High School students can earn university credits through the completion of Project Lead the Way (PLTW) courses. College credit eligibility varies by university.

St. Cloud State University: Students need to earn at least an 80% in the class and have a score of “Accomplished” on the End of Course Exam. 3 credits in ETS199 can be earned per course at a fee of \$100 per credit. Scan the QR code for more information.



Rochester Institute of Technology: Some PLTW classes at Shakopee High School are eligible for credit at RIT at a cost of \$225 per credit. Scan the QR code for more information. *There are no eligibility criteria for participation in PLTW courses, however students should see the course instructor or counselor regarding any eligibility requirements needed to access college credit.*



 **Articulated College Credit (ACC)** can be earned in courses that have agreements with Minnesota Technical, Community, or 4-year Colleges and Universities. Students who successfully complete these courses, and any other additional requirements, have the option to earn college credit and High School credit. Articulated College Credit is only awarded if students register for credits at CTEcreditMN.com in High School and attend one of the partnering institutions after High School. ACC is NOT transcribed until you have enrolled and taken a course at a partnering institution. More information can be found at ctecreditmn.com/articulated-college-credit.php

There are no eligibility criteria for participation in articulated courses, however students should see the course instructor or counselor regarding any eligibility requirements needed to access college credit.

WEIGHTED GRADES

Grades are weighted for college-level courses provided by a nationally accredited program. Grades will be weighted in the following manner:

- Any grade of ‘A’ is awarded an additional 0.6 grade points.
- Any grade of ‘B’ is awarded an additional 0.4 grade points.
- Any grade of ‘C’ is awarded an additional 0.2 grade points.
- Grades of ‘D’ or ‘F’ receive no additional grade points.

WEIGHTED GRADES – COURSES OFFERED AT SHAKOPEE HIGH SCHOOL

- All Advanced Placement (AP) Courses
- All College in the Schools (CIS) Courses
- All Project Lead the Way (PLTW) Courses
- Emergency Medical Responder
- Nursing Assistant/Home Health Aide
- Exploring Education
- Multicultural Education
- CAPS Business Administration and Management
- CAPS Business Administration and Management Internship
- CAPS Creative Marketing & Communications
- CAPS Healthcare and Medicine
- CAPS Healthcare and Medicine Internship
- CAPS Human Services
- CAPS STEM

IDENTIFICATION & ELIGIBILITY FOR ACCELERATED COURSES

Common Identification Criteria (District-wide)

Accelerated English Language Arts Courses

To be identified for Accelerated courses, student’s average scores on Fastbridge/MAP data over the previous two years must be at or above the 85th percentile, or other comparable test data.

Appeals in English Language Arts

If not initially invited into the course by initial identification, the student and parent(s) must:

1. Complete written Appeal Request Form (available from the building administration or counselors)
2. Building Administrator(s) reviews the student's file (with the HP Coordinator, as needed), including:
 - Core Data (as described above in Identification)
 - Other Supplementary Data, such as:
 - Subject-specific scores on standardized tests
 - Subject-specific grades and GPA (i.e. Math GPA, Science GPA, etc., NOT overall GPA)
 - Work samples
3. Building Administrator(s) reviews student’s file and supplementary data with parents

Accelerated Math Course Options

Students must meet the prerequisite math course in order to progress to the next math course in the sequence (see Math section) Students looking to accelerate in the Math course sequence from their current Math placement have two options.

1. Students can request to “test in” to a math class by scoring 80% or higher on the end of course exam of the prerequisite course.
2. Students can also accelerate their math sequence by taking two Math courses in a year on the block schedule.

If you are interested, please see your counselor regarding these options.

EXIT CRITERIA FOR ACCELERATED COURSES

Request by student and/or parent/guardian(s)
When students and/or their parents request to be dropped from an advanced course, the following process must be followed:

1. The student and/or parent/guardian(s) discuss ongoing concerns with the teacher as the course progresses.
2. Teacher makes sure that parent/guardian(s) are included in discussions of concerns about the student.
3. In normal circumstances, if a parent/guardian requests his/her student be exited from the course, that request will be honored at the end of the current grading period (The student’s grade for that grading period will count in the student’s GPA.)

Recommendation by Teacher

- Process for exit*
1. The teacher begins and maintains an ongoing discussion of concerns with students throughout the course.
 2. The teacher discusses the concerns with parent/guardian(s) as soon as appropriate.
 3. The parties agree to a performance contract, signed by student and parent/guardian(s) and shared with the Building Administration.
 4. If the performance contract does not alleviate the concerns, the teacher shares the results with the student’s counselor and Building Administration.

Student Failure

If a student fails the course, they will be removed from that discipline’s advanced course sequence.

The Building Administrator will be the final authority on ALL student exits from advanced courses.

English Language Arts Requirements	Credit(s)	Grade(s)
English 9 – A & B	2.0	9
Accelerated English 9 – A & B	3.0	9
English 10 – A & B	2.0	10
Accelerated English 10 – A & B	3.0	10
English 11 – A & B	2.0	11
AP Language & Composition – A & B	2.0	11, 12
English 12: 21st Century Communication	1.0	12
English 12: Exploring Self-Identity	1.0	12
Humanities – English	1.0	11, 12
CIS: Introduction to Public Speaking	2.0	11, 12
CIS: Introduction to Literature	2.0	11, 12
CIS: University Writing	2.0	12
Health/Physical Education Requirements		
Fit for Life	1.0	9, 10, 11, 12
Intro to Sport Performance	1.0	9, 10, 11, 12
*Advanced Fit for Life	1.0	10, 11, 12
*Advanced Sport Performance	1.0	10, 11, 12
Healthy Lifestyles	1.0	10, 11, 12
Mathematics Requirements		
Intermediate Algebra - A & B	2.0	9, 10, 11, 12
*Geometry - A & B	2.0	10, 11, 12
*Algebra 2 – A & B	2.0	10, 11, 12
*Functions, Statistics & Trigonometry – A & B	2.0	10, 11, 12
*Pre-Calculus – A & B	2.0	9, 10, 11, 12
*AP Pre-Calculus - A & B	2.0	9, 10, 11, 12
*Calculus – A & B	2.0	9, 10, 11, 12
*College Algebra through Modeling – A & B	2.0	11, 12
*CIS CSE Calculus I	2.0	10, 11, 12
*AP Calculus BC – A, B & C	3.0	10, 11, 12
*AP Statistics – A & B	2.0	10, 11, 12
Science Requirements		
Physics of the Universe – A & B	2.0	9, 10, 11, 12
*AP Physics I – A, B & C	3.0	9, 10, 11, 12
*AP Physics C – A, B & C	3.0	10, 11, 12
*Chemistry in the Earth System – A & B	2.0	10, 11, 12
*AP Chemistry – A, B & C	3.0	10, 11, 12
*Biology: The Living Earth – A & B	2.0	11, 12
*AP Biology – A, B & C	3.0	11, 12
Social Studies Requirements		
Human Geography 9	1.0	9
AP Human Geography – A & B	2.0	9
Modern U.S. History – A & B	2.0	10
AP U.S. History – A, B & C	3.0	10
Modern World History – A & B	2.0	11
AP World History – A & B	2.0	11
Economics	1.0	12
Citizenship & Government	1.0	12
Humanities – Social Studies	1.0	11, 12
Intercultural Studies	1.0	10, 11, 12
Psychology	1.0	10, 11, 12
Sociology	1.0	10, 11, 12
CIS: Principles of Microeconomics	2.0	12
CIS: Introduction to Psychology	2.0	10, 11, 12
CIS: American Democracy in a Changing World	2.0	11, 12
Graduation Requirements	Credit(s)	Grade(s)
9th Grade Seminar	1.0	9
Financial Literacy	1.0	11, 12

Global Electives	Credit(s)	Grade(s)
GLOmies	1.0	12
Unified PE	1.0	11, 12
Team & Individual Sports 1	1.0	10, 11, 12
*Team & Individual Sports 2	1.0	10, 11, 12
Music – Fine Art Electives		
!9th Grade Band – A & B	2.0	9
!Cantare Choir – A & B	2.0	9
!Bel Canto Choir – A & B	2.0	11, 12
!Concert Band – A & B	2.0	11, 12
!Concert Choir – A & B	2.0	11, 12
!Saber Choir – A & B	2.0	10, 11, 12
!Symphonic Bands – A & B	2.0	10
!Wind Ensemble – A & B	2.0	11, 12
Theater – Fine Art Electives		
!Theatre	1.0	9, 10, 11, 12
Visual Arts – Fine Art Electives		
!*Advanced Art Studio	1.0	11, 12
!*AP Art & Design – A & B	2.0	11, 12
!Ceramics 1	1.0	9, 10, 11, 12
!*Ceramics 2	1.0	10, 11, 12
!Practical Art	1.0	9, 10, 11, 12
World Languages		
German 1 – A & B	2.0	9, 10, 11, 12
*German 2 – A & B	2.0	9, 10, 11, 12
*German 3 – A & B	2.0	10, 11, 12
*German 4 – A & B	2.0	10, 11, 12
Japanese 1 – A & B	2.0	9, 10, 11, 12
*Japanese 2 – A & B	2.0	9, 10, 11, 12
*Japanese 3 – A & B	2.0	10, 11, 12
*Japanese 4 – A & B	2.0	10, 11, 12
Spanish 1 – A & B	2.0	9, 10, 11, 12
*Spanish 2 – A & B	2.0	9, 10, 11, 12
*Spanish 3 – A & B	2.0	9, 10, 11, 12
*Spanish 4 – A & B	2.0	10, 11, 12
*CIS: Spanish 1003	2.5	10, 11, 12
*CIS: Spanish 1004	2.5	10, 11, 12
Spanish for Spanish Speakers 1 – A & B	2.0	9, 10, 11, 12
*Spanish for Spanish Speakers 2 – A & B	2.0	9, 10, 11, 12
*Spanish for Spanish Speakers 3 – A & B	2.0	9, 10, 11, 12
Southwest Metro ED		
Animal Science - Large Animal Vet. Science	4.0	11, 12
Outdoor Power Equipment	2.0	11, 12
Aviation Tech (Drone Tech)	2.0	11, 12
Automotive Technology – A & B	4.0	11, 12
Construction Technology – A & B	4.0	11, 12
Residential Electrician	2.0	11, 12
Computer Repair – A & B	4.0	11, 12
*Computer Networking – A & B	4.0	12
Child Development Associate 1 - Child Development Associate 2	4.0	11, 12
Cosmetology 1 – A & B	4.0	11, 12
*Cosmetology 2 – A & B	4.0	12
Criminal Justice – A & B	4.0	11, 12
Graphic Design & Print 1 – A & B	4.0	11, 12
*Graphic Design & Print 2 – A & B	4.0	12
Emergency Medical Responder - Emergency Medical Technician	4.0	11, 12
Nursing Assistant - Medical Terminology	4.0	11, 12
Photography 1 - Photography 2 - Advanced Photography	6.0	11, 12

Arts & Communication	Credit(s)	Grade(s)
Animation and Game Design	1.0	10, 11, 12
!*Creative Professional	1.0	11, 12
!Creative Writing	1.0	10, 11, 12
!Design Fundamentals	1.0	9, 10, 11, 12
!Graphic Design 1	1.0	9, 10, 11, 12
!*Graphic Design 2	1.0	10, 11, 12
!*Drawing, Painting, and Printmaking	1.0	10, 11, 12
!Fashion Merchandising & Design	1.0	9, 10, 11, 12
!Interior Design	1.0	9, 10, 11, 12
Music Production 1	1.0	9, 10, 11, 12
!*Music Production 2	1.0	10, 11, 12
!*Performance Studio	1.0	10, 11, 12
Public Speaking	1.0	10, 11, 12
*Shakopee CAPS Creative Marketing & Communications – A & B	4.0	11, 12
*Shakopee CAPS Creative Marketing & Communications Internship	2.0	11, 12
!Video Production 1	1.0	9, 10, 11, 12
!*Video Production 2	1.0	10, 11, 12
Yearbook Journalism 1	1.0	10, 11, 12
*Yearbook Journalism 2	1.0	10, 11, 12
Business & Entrepreneurship		
*Accounting – A & B	2.0	10, 11, 12
*Advanced Business Seminar	1.0	11, 12
Baking & Pastry 1	1.0	10, 11, 12
*Baking & Pastry 2	1.0	10, 11, 12
Business Dynamics	1.0	9, 10, 11, 12
Business Technology	1.0	9, 10, 11, 12
Culinary Arts 1	1.0	9, 10, 11, 12
*Culinary Arts 2	1.0	10, 11, 12
*Culinary Arts 3	1.0	10, 11, 12
*Culinary Arts 4	1.0	11, 12
Entrepreneurship	1.0	10, 11, 12
*Finance and Investments	1.0	10, 11, 12
*Global Business	1.0	10, 11, 12
*Hospitality Management	1.0	10, 11, 12
*Management & Leadership	1.0	10, 11, 12
Marketing	1.0	10, 11, 12
*Shakopee CAPS Business Administration & Management – A & B	4.0	11, 12
*Shakopee CAPS Business Administration & Management Internship	2.0	11, 12
*Social Media Marketing	1.0	10, 11, 12
Sports & Entertainment Marketing	1.0	10, 11, 12
Engineering & Manufacturing		
Aerospace Engineering (PLTW) – A & B	2.0	10, 11, 12
*Civil Engineering & Architecture (PLTW) – A & B	2.0	10, 11, 12
Computer Integrated Manufacturing (PLTW) – A & B	2.0	10, 11, 12
*Construction	1.0	10, 11, 12
*Construction Management & Development – A & B	2.0	11, 12
*Engineering Design & Development (PLTW) – A & B	2.0	11, 12
Intro to Engineering Design (PLTW) – A & B	2.0	9, 10, 11, 12
Manufacturing and Construction	1.0	9, 10, 11, 12
*Manufacturing Design and Development	1.0	11, 12
*Manufacturing for Production	1.0	10, 11, 12
*Marine, Motorsport, & Outdoor Power Equipment	1.0	10, 11, 12
*Principles of Engineering (PLTW) – A & B	2.0	10, 11, 12
*Shakopee CAPS STEM (Science & Technology Engineering & Manufacturing) – A & B	4.0	11, 12
*Shakopee CAPS STEM Internship	2.0	11, 12
Small Gas Engines	1.0	9, 10, 11, 12
*Super High Mileage Vehicle	1.0	11, 12
*Welding and Metal Fabrication	1.0	10, 11, 12
*Advanced Welding – Design & Fabrication	1.0	10, 11, 12
*Advanced Woodworking – Cabinetry & Furniture	1.0	10, 11, 12
Youth Skills Training	1.0	11, 12

Health Science	Credit(s)	Grade(s)
*CIS: Human Physiology, Technology, and Medical Devices	2.0	11, 12
*Community Health	1.0	11, 12
*Emergency Medical Responder - A & B	2.0	11, 12
*Global Health & Disease Prevention	1.0	10, 11, 12
Human Body Systems	1.0	9, 10, 11, 12
*Human Movement Sciences	1.0	10, 11, 12
*Medical Interventions (PLTW) – A & B	2.0	11, 12
*Healthcare Simulation	1.0	10, 11, 12
*Nursing Assistant – A & B	2.0	11, 12
Nutrition for the Human Body	1.0	9, 10, 11, 12
*Principles of Biomedical Science (PLTW) – A & B	2.0	10, 11, 12
*Shakopee CAPS Healthcare & Medicine – A & B	4.0	11, 12
*Shakopee CAPS Healthcare & Medicine Internship	2.0	11, 12
*Sports Medicine	1.0	11, 12
Youth Skills Training	1.0	11, 12
Human Services		
*A Case for Justice	1.0	10, 11, 12
*Advanced Child Development	1.0	10, 11, 12
*Community Leadership and Service	1.0	11, 12
Criminal Justice & the Court	1.0	9, 10, 11, 12
*Exploring Education – A & B	2.0	10, 11, 12
*Generation Now	1.0	10, 11, 12
Human Relations	1.0	9, 10, 11, 12
Intro to Human Development	1.0	9, 10, 11, 12
*Law and Legal Services	1.0	11, 12
*Multicultural Education – A & B	2.0	11, 12
*Positive Psychology: Building People and Community	1.0	10, 11, 12
*Shakopee CAPS Human Services – A & B	4.0	11, 12
*Shakopee CAPS Human Services Internship	2.0	11, 12
Sociology of the Family	1.0	10, 11, 12
Science & Technology		
*AP Computer Science Principles (PLTW) – A & B	2.0	10, 11, 12
*AP Environmental Science – A & B	2.0	10, 11, 12
Computer Hardware and Software	1.0	9, 10, 11, 12
*Cyber Security	1.0	10, 11, 12
*Ecology	1.0	10, 11, 12
*Environmental Ethics	1.0	10, 11, 12
*Environmental Solutions	1.0	11, 12
Electricity	1.0	9, 10, 11, 12
*Energy and Power Generation	1.0	10, 11, 12
Energy, Food and The Outdoors	1.0	9, 10, 11, 12
Mobile App Development	1.0	9, 10, 11, 12
*Robotic Process Automation	1.0	10, 11, 12
*Shakopee CAPS STEM (Science & Technology Engineering & Manufacturing) – A & B	4.0	11, 12
*Shakopee CAPS STEM Internship	2.0	11, 12
*Technological Innovations	1.0	11, 12
Web Development	1.0	9, 10, 11, 12
Youth Skills Training	1.0	11, 12

Key:

* Prerequisite or Corequisite required

! Fine Arts Credit]

Highlighted Courses are offered in-person and online

To find these courses by page number, please refer to the index in the back.



High School Program (Grades 9-12)

Saber Online is fully accredited by the Minnesota Department of Education as an online learning provider. Students have the option to take online classes **full-time** or on a **part-time** basis in combination with classes that are held in-person at Shakopee High School. Saber Online will follow the 4-period block schedule starting at 8:20 a.m. and ending at 3:00 p.m.

Students enrolled in Saber Online Courses should expect the same level of rigor that would be experienced in the in-person course.

THERE ARE TWO WAYS THAT AN ONLINE COURSE COULD BE DELIVERED BY A SHAKOPEE TEACHER:

Full Online Section

Students will meet daily for “live” instruction with their teacher and other students during their assigned block.

Individualized Approach

Students will participate in a more self-directed digital curriculum with daily “live” contact with a teacher during their assigned block to monitor progress, in small group or individual settings.

Saber Online course offerings are highlighted in yellow throughout the Registration Guide. All classes in yellow, on the Course Summary (pages 10-11) as well as in the sections containing course descriptions are tentatively offered both online and in-person for the upcoming school year. The number of student requests will determine how the course will be taught or if it will be offered at all.

Students/Families are encouraged to read the full Saber Online course descriptions and Graduation Requirements in the Registration Guide.

CHARACTERISTICS OF A SUCCESSFUL ONLINE STUDENT

- ✓ Motivated, flexible, and adaptable
- ✓ Excellent time management skills
- ✓ Willingness to actively participate and ask questions
- ✓ Ability to work independently
- ✓ Patience when faced with adversity
- ✓ Comfortable with technology



REQUIRED ONLINE COURSE OFFERINGS				
Grade	English	Math	Social Studies	Science
9th Grade	English 9-A & B	Intermediate Algebra - A	Human Geography - A	Physics 9-A & B
10th Grade	English 10-A & B	Geomtry A & B	Modern US History-A & B	Chemistry-A & B
11th Grade	English 11-A & B	Algebra 2 - A & B OR Functions, Statistics, & Trigo-nometry-A & B	Modern World History-A & B	Biology-A & B
12th Grade	English 12: Self Identity AND English 12: 21st Century Communication		Economics AND Citizenship & Government, AND Psychology OR Sociology	

ONLINE COURSE OFFERINGS THAT MEET GRADUATION REQUIREMENTS				
9th Grade Seminar	Financial Literacy	Fit For Life AND Advanced Fit for Life	Healthy Lifestyles	Fine Arts: Refer to Arts & Communication courses on page 12.

ONLINE ELECTIVE COURSE OFFERINGS	
World Languages	
Spanish 1-A & B	Spanish 2-A & B

ARTS & COMMUNICATION ACADEMY			
Program of Study	Introduction	Intermediate	Advanced
CREATIVE DESIGN	Design Fundamentals	Drawing, Painting, and Printmaking	Creative Professional
Academy Elective Courses			
Creative Writing	Interior Design	Fashion Design	Public Speaking

*All Arts & Communication courses meet the Fine Arts graduation requirements

BUSINESS & ENTREPRENEURSHIP ACADEMY			
Program of Study	Introduction	Intermediate	Advanced
ENTREPRENEURSHIP & BUSINESS MANAGEMENT	Business Dynamics	Entrepreneurship	Advanced Business Seminar
Academy Elective Courses			
Business Technology		Social Media Marketing	

ENGINEERING AND MANUFACTURING ACADEMY			
Program of Study	Introduction	Intermediate	Advanced
ENGINEERING AND DESIGN	Intro to Engineering (PLTW)	Principles of Engineering (PLTW)	Engineering Design & Development (PLTW)

HEALTH SCIENCE ACADEMY			
Program of Study	Introduction	Intermediate	Advanced
PUBLIC HEALTH	Human Body Systems	Global Health and Disease Prevention	Community Health
EXERCISE SCIENCE		Human Movement Sciences	<i>Not currently offered online</i>
Academy Elective Courses			
Nutrition for the Human Body			

HUMAN SERVICES ACADEMY			
Program of Study	Introduction	Intermediate	Advanced
SOCIAL AND MENTAL HEALTH SERVICES	Intro to Human Development	Positive Psychology	Community Leadership and Service
LAW AND LEGAL SERVICES	Criminal Justice and the Court	Not currently offered online	<i>Not currently offered online</i>

SCIENCE & TECHNOLOGY ACADEMY			
Program of Study	Introduction	Intermediate	Advanced
COMPUTER SCIENCE	Computer Hardware and Software	AP Computer Science Principles (PLTW)	Technological Innovations
INFORMATION TECHNOLOGY SOLUTIONS		Cyber Security	
Academy Elective Courses			
Mobile App Development		Web Development	

Graduation Requirements



Courses in this section meet graduation requirements and post-secondary admissions requirements. Students have various options to meet these requirements, including advanced course work. Please consult with your counselor to ensure you are choosing courses that meet your graduation requirements and post-secondary needs.

INFOGRAPHIC KEY



Fine Arts
Credit



CAPS
Program



Concurrent
Enrollment College
Credit Opportunity



AP/PLTW College
Credit Opportunity



Articulated College
Credit Opportunity

Highlighted courses are offered in-person and online

9TH GRADE SEMINAR

Grade Level: 9
Credits: 1 Credit
Prerequisite: None

During the 9th Grade year, all students will begin their high school career with a 9th Grade Seminar. The purpose of this course is to help students explore the following theme: “Reflecting on my passion and strengths I will build upon my social, emotional, and academic skills to increase resiliency and make decisions now that lead to conscientious global citizenship.” As a result of this course, all students will examine the concept of “My Place. My Path. My Future” as they prepare and plan for the Academies of Shakopee and beyond. Students will build academic skills, connect with the Shakopee High School Community, and examine how their future goals connect to their current academic choices.

FINANCIAL LITERACY

Grade Level: 11, 12
Credits: 1 Credit
Prerequisite: None

Financial Literacy is a course designed to help you prepare for your financial future. It will assist you in developing the skills needed to make sound financial decisions. You will understand the impact of individual choice on financial goals and future income potential. Financial topics covered will include but not be limited to behavioral finance, budgeting, banking, income and taxes, insurance, saving and investing, credit and identity theft, renting an apartment and risk management. This course will provide a foundation for making informed personal financial decisions.

ENGLISH LANGUAGE ARTS REQUIREMENT OPTIONS

8 Shakopee School Board’s Graduation Requirements policy requires that 4 years’ equivalent (8 credits) of English Language Arts courses are taken by students during their High School career.

REQUIRED ENGLISH COURSES		
Grade	General	Accelerated
9	English 9	Accelerated English 9
10	English 10	Accelerated English 10
11	English 11	Pick 2 in 11th and 12th Grade AP Language and Composition CIS: Intro to Public Speaking CIS: Intro to Literature CIS: University Writing (12th Grade only)
12 (Pick 2)	English 12: 21st Century Communication English 12: Exploring Self-Identity Humanities – English	

Grade 9 Requirement Options

ENGLISH 9 – A & B

Grade Level: 9
Credits: 2 Credits
Prerequisite: None
NCAA Core Course
The English 9 course is designed to fulfill the language arts core requirement for 9th Grade. Students will write in a variety of formats including journals, narratives, research, and argument pieces. In addition, students will read and view fiction and nonfiction works critically, speak informally and formally, and study the grammar and mechanics of the English language.

ACCELERATED ENGLISH 9 – A & B

Grade Level: 9
Credits/Length: 3 Credits/2 Terms
Prerequisite: Recommended – Accelerated English 8
Eligibility: Placement based on District identification criteria
NCAA Core Course
The Accelerated English 9 course is the first of a two course English sequence (grades 9 & 10) that will fulfill 9th-12th Grade standards. This course will compact and address critical 9th and 10th Grade standards in one year. The course is designed for students who possess superior language arts skills and have the desire to learn at an intense, rigorous, accelerated pace. This is a challenging class designed for students who enjoy reading, writing, and interpersonal communication. Students will be expected to demonstrate high level critical thinking of both fiction and nonfiction through writing.

Grade 10 Requirement Options

ENGLISH 10 – A & B

Grade Level: 10
Credits: 2 Credits
Prerequisite: None
NCAA Core Course
English 10 focuses on analyzing the author's purpose and craft. Students are asked to read nonfiction reports of current events as well as literary works of art. In both types of tasks, students assess the use of rhetoric and literary devices. The course then evolves into students embedding these tools into their own argumentative writing. Second quarter continues the theme of analysis with more focus on literature’s relation to its context. Differences in cultures are examined through reading, writing, and discussing. Students develop skills related to vocabulary, independent reading, and grammar throughout the entire course.

ACCELERATED ENGLISH 10 – A & B

Grade Level: 10
Credits/Length: 3 Credits / 2 Terms
Prerequisite: Recommended – Accelerated English 9
Eligibility: Placement based on District identification criteria
NCAA Core Course
The Accelerated English 10 course is the second of a two course English sequence (grades 9 & 10) that will fulfill 9th-12th Grade standards. This course will compact and address critical 11th and 12th Grade standards in one year, earning students 3 semester credits in one year. The course is designed for students who possess superior language arts skills and have the desire to learn at an intense, rigorous, accelerated pace. This is a challenging class designed for students who enjoy reading, writing, and interpersonal communication. Students will be expected to demonstrate a high level of critical thinking while reading both literary and informational texts.

Grade 11 & 12 Requirement Options - 4 Credits Required

ENGLISH 11 – A & B

Grade Level: 11
Credits: 2 Credits
Prerequisite: None
NCAA Core Course
English 11 addresses the reading, writing, speaking, and listening standards. Students will read, analyze, and discuss texts in multiple formats, including both fiction and non-fiction. Emphasis is placed on world literature and diverse perspectives. Students will write for a variety of purposes with an emphasis on argumentation.

ENGLISH 12: 21ST CENTURY COMMUNICATION

Grade Level: 12
Credits: 1 Credit
Prerequisite: None
NCAA Core Course
21st Century Communication is one quarter of a 12th Grade English program that addresses the reading, writing, speaking and listening standards. Students will read, analyze, and discuss texts in multiple formats. Emphasis is placed on 21st century modes of communication. Students will write for a variety of purposes with an emphasis on analysis.

ENGLISH 12: EXPLORING SELF-IDENTITY

Grade Level: 12
Credits: 1 Credit
Prerequisite: None
NCAA Core Course
Exploring Self-Identity is one quarter of a 12th Grade English program that addresses the reading, writing, and speaking standards. Emphasis is placed on introspection, connection to the world around them, and understanding others’ viewpoints. Students will write a narrative about an important event in their lives, research a community service organization, analyze editorial writing, and apply literary theory to a novel. Students will write for a variety of purposes with an emphasis on analysis.

HUMANITIES – ENGLISH

Grade Level: 11, 12
Credits: 1 Credit
Prerequisite: None
NCAA Core Course
Note: Students taking this course must also sign up for Humanities – Social Studies
Humanities is designed to use a holistic approach to education. Humanities fosters understanding of how subjects parallel, using history, art, literature, religion, music, politics, and society to make connections between the past and the present, between the diverse world cultures and you. As a team-taught course between the Social Studies and English Departments, Humanities is intended to prepare juniors and seniors with knowledge and skills necessary to succeed in rigorous academic environments. Students will be expected to write four to five compositions, work on grammatical concepts, expand their knowledge base, think analytically, prepare presentations, and excel in class discussions. Each student who successfully completes the course will receive both a Social Studies and an English credit.

AP LANGUAGE & COMPOSITION – A & B

Grade Level: 11, 12
Credits: 2 Credits
Prerequisite: None
NCAA Core Course
The AP English Language and Composition course focuses on rhetorical analysis of nonfiction texts and the development and revision of well-reasoned, evidence centered, analytic and argumentative writing. Students evaluate, synthesize, and cite research to support their arguments. Throughout the course, students develop a personal style by making appropriate grammatical choices. Additionally, students read and analyze the rhetorical elements and their effects in non-fiction texts, including graphic images as forms of text, from many disciplines and historical periods. Students will have the option to take the AP English Language and Composition exam.

CIS: INTRODUCTION TO PUBLIC SPEAKING – A & B (COMM 1101)

Grade Level: 11, 12
Credits: SHS: 2 Credits
College: 3 semester credits from the University of Minnesota-Twin Cities
Prerequisite: Eligibility Requirement
Eligibility: Must meet the University of Minnesota’s course admission requirements: Must be a junior or senior in the top 50% of the class.
NCAA Core Course
This course is intended for students who want a challenge and have confidence speaking in front of others. The objectives are to better understand the principles of oral communication; to improve skills in researching, writing, and organizing effective presentations that are appropriate to particular audiences; to improve and gain confidence in delivery skills; learn to critically evaluate your own speeches, as well as your classmates’ speeches and to accept and implement the suggestions of others to enhance your own work; and to develop an awareness of the consequences of our communication and acquire an appreciation of the responsibilities of ethical communication. Students registering for this class must be comfortable speaking publicly and have a desire to improve rather than develop their abilities. Students successfully completing CIS Public Speaking will receive three University of Minnesota semester credits.



Grade 11 & 12 Requirement Options - Continued

CIS: INTRODUCTION TO LITERATURE – A & B POETRY, DRAMA & NARRATIVE (ENGL 1001W)

Grade Level: 12 (11 with instructor approval)
Credits: SHS: 2 Credits
College: 4 semester credits from the University of Minnesota-Twin Cities
Prerequisite: Eligibility Requirement
Eligibility: Students must meet one of the following qualifications:
• Cumulative GPA above 3.25 in previous English courses, OR
• Top 20% of High School class, OR
AND demonstrate one of the following:
• Reading/writing skills necessary for success in the course
• A passion for reading and writing about literature

NCAA Core Course
CIS: Introduction to Literature is designed and articulated through the University of Minnesota. Students who successfully complete this course will receive four U of MN credits in Literature and two Shakopee High School credits. Students read 8 to 10 stimulating books relating to poetry, drama, and fiction from a variety of eras. The novels for this course cover a range of mature, and sometimes controversial, subjects. Students should expect to read material that challenges what they know while embracing their individual interpretation. Students will discuss literary form and interpretation, as well as bring in their own experiences and connections. Actively participating in class discussion, helping to lead class discussion, writing essays and formal papers, and, of course, reading will be required of all students. This course is considered writing intensive. Students will write for a variety of purposes with an emphasis on thorough analysis and argumentation. Because this is a discussion-based course, absences will affect the student’s understanding, learning, and grades, accordingly. College Credit is recorded on your official University of MN transcript.



CIS: UNIVERSITY WRITING – A & B (WRIT 1301)

Grade Level: 12
Credits: SHS: 2 Credits
College: 4 semester credits from the University of Minnesota-Twin Cities
Prerequisite: Eligibility Requirement
Eligibility: Must be a senior who meets TWO of the following:
• In the top 30% of their class
• GPA of 3.0 or higher in previous English course work
• Eagerness to engage in a rigorous course that requires significant time commitment outside of the classroom
• Instructor approval
NCAA Core Course
College in the Schools: University Writing 1301 is designed and articulated with the University of Minnesota. Students who successfully complete this course will receive four U of MN credits in English. Students with above average writing ability are most successful in this college freshman course. Students will utilize the writing process required in a college setting, use multiple platforms of technology, research in and out of school, conference with peers and instructors about papers, critically analyze topics, and fluently express themselves. Students will write for a variety of purposes and audiences. Students successfully completing CIS University Writing 1301 will receive four University of Minnesota semester credits. College Credit is recorded on your official University of MN transcript.



3

Shakopee School Board’s Graduation Requirements policy requires two credits of physical education and one credit of health. (3 total credits from the courses in this section). Additional elective courses offered by this department can be found within the Global Electives and Academy sections of this guide.

Introductory Required Physical Education Options
Choose 1 course for required credit
9th Graders must choose Fit for Life or Intro to Sport Performance

FIT FOR LIFE

Grade Level: 9, 10, 11, 12
Credits: 1 Credit
Prerequisite: None
Graduation Requirement: Physical Education or Elective
Are you fit for life? In this class, students will learn and develop personal fitness and nutrition programs based on the five components of fitness. Activities in this course will include aerobic exercise, resistance training, and lifetime activities through the development of the National Physical Education Standards. This course may best suit the student who is interested in learning how to live a healthy lifestyle through individual activities. Be Fit- Be Healthy- Be Happy!

INTRO TO SPORT PERFORMANCE

Grade Level: 9, 10, 11, 12
Credits: 1 Credit
Prerequisite: None
Graduation Requirement: Physical Education or Elective
In this course, students will learn how to develop a personal performance program based on the Six Components of Sport Performance. Activities in this course will include strength training and force production, flexibility and balance, plyometric training, and competitive sport participation through the development of the National Physical Education Standards. This course may best suit the student who is interested in competitive, team-based physical activities and improving their sport performance.

Intermediate Required Physical Education Options
Choose 1 course for required credit

ADVANCED FIT FOR LIFE

Grade Level: 10, 11, 12
Credits: 1 Credit
Prerequisite: Fit for Life or Intro to Sport Performance
Graduation Requirement: Physical Education or Elective
Are you fit for life? In this class, students will continue to learn and develop personal fitness and nutrition plans based on the five components of fitness. Activities in this course will include aerobic exercise, resistance training, and lifetime activities through the development of the National Physical Education Standards. This course may best suit the student who is interested in learning how to live a healthy lifestyle through individual activities. Be Fit- Be Healthy- Be Happy!

ADVANCED SPORT PERFORMANCE

Grade Level: 10, 11, 12
Credits: 1 Credit
Prerequisite: Intro to Sport Performance or Fit for Life
Graduation Requirement: Physical Education or Elective
Are you looking to perform at a higher level? In this course, students will learn how to develop a personal performance plan based on the six Components of Sports Performance. Activities in this course will include strength training, anaerobic training, and team activities through the development of the National Physical Education Standards. This course may best suit the student who is interested in competitive, team-based team activities and improving their sport performance.

Health Requirement (grades 10-12)

HEALTHY LIFESTYLES

Grade Level: 10, 11, 12 (Students strongly encouraged to take this course Sophomore year)
Credits: 1 Credit
Prerequisite: None
Graduation Requirement: Health
Providing current, accurate information that students can use to make informed decisions regarding their personal health is what this class is all about. The class is designed around the 6 priority areas of health education as published by the Center for Disease Control. Prevention of Unintentional and Intentional Injuries (Motor Vehicle Accidents and Suicide are the top two killers of high school aged students), drug Use and Abuse, Tobacco Use, Sexual Activity that Results in Unwanted Pregnancy, Sexually Transmitted Infections and HIV/AIDS, Physical Inactivity.

MATHEMATICS REQUIREMENT OPTIONS

6

Shakopee School Board’s Graduation Requirements policy requires 3 years’ equivalent (6 credits) of Mathematics courses are taken by students during their High School career. The chart below represents the mathematics options available to students throughout their High School careers.

NEW MATH REQUIRED SEQUENCE (BEGINNING WITH THE CLASS OF 2028)			
Grade	General	Accelerated (one grade level)	Twice Accelerated (two grade levels)
9	Intermediate Algebra	Algebra 2	Pre-Calculus, AP Pre-Calculus or Math Elective
10	Geometry	Pre-Calculus, AP Pre-Calculus or Math Elective	CIS CSE Calculus I or Math Elective
11	Algebra 2	CIS CSE Calculus I, AP Statistics Calculus or Math Elective	AP Calculus BC, AP Statistics or Math Elective

MATH REQUIRED SEQUENCE (CLASSES OF 2026 AND 2027)				
Grade	General	Partial Acceleration	Accelerated	Twice Accelerated
11	Functions, Statistics & Trigonometry	Pre-Calculus AP Pre-Calculus	CIS CSE Calculus I, AP Statistics, Calculus or Math Elective	AP Calculus BC , AP Statistics or Math Elective

*Many colleges require 4-years of mathematics. Students should consider the following advanced courses for a 4th year of mathematics: Pre-Calculus, AP Pre-Calculus, College Algebra through Modeling, AP Statistics, Calculus, CIS CSE Calculus I, AP Calculus BC. Parents and students are encouraged to investigate the admission requirements for specific colleges of their choice.

INTERMEDIATE ALGEBRA – A & B

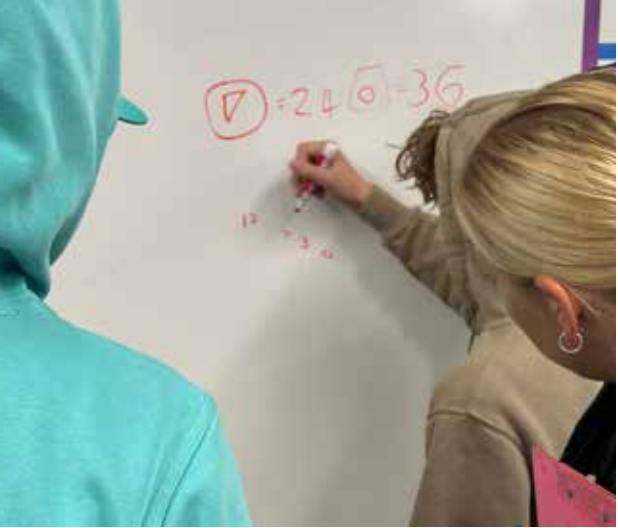
Grade Level: 9, 10, 11, 12
Credits: 2 Credits
Prerequisite: Algebra 1
NCAA Core Course
This is an intermediate algebra course that builds upon the skills and principles learned in Algebra 1. The course will explore relationships and functions. These topics will include the following concepts: linear and nonlinear functions with an emphasis on quadratics, statistics, and probability.

GEOMETRY – A & B

Grade Level: 10, 11, 12
Credits: 2 Credits
Prerequisite: Intermediate Algebra
Required Materials: Scientific calculator
NCAA Core Course
This is a two-credit sequential geometry course. The study of geometry will develop the student’s ability to use geometric reasoning and think logically. Topics include similarity, congruence, trigonometry, perimeter/circumference, area, surface area, volume, properties of polygons and circles, as well as others.

FUNCTIONS, STATISTICS, & TRIGONOMETRY (FST) – A & B

Grade Level: 10, 11, 12
Credits: 2 Credits
Prerequisite: Algebra 2
NCAA Core Course
This is a two-credit course focusing on functions, statistics and trigonometry. Topics include probability, statistics, logarithmic and exponential functions, trigonometric functions, piecewise functions, graphs and basic identities, rational and radical functions, and polynomial functions.



ALGEBRA 2 – A & B

Grade Level: 10, 11, 12
Credits: 2 Credits
Prerequisite: Geometry
NCAA Core Course

This is a two-credit sequential second-year algebra course that strengthens and extends the basic skills and principles already learned in Algebra 1. The course will explore relationships and functions of the following types: linear, quadratic, and trigonometric. Other topics included are sequences and series, radicals, probability and statistics, and properties of exponents.

PRE-CALCULUS – A & B

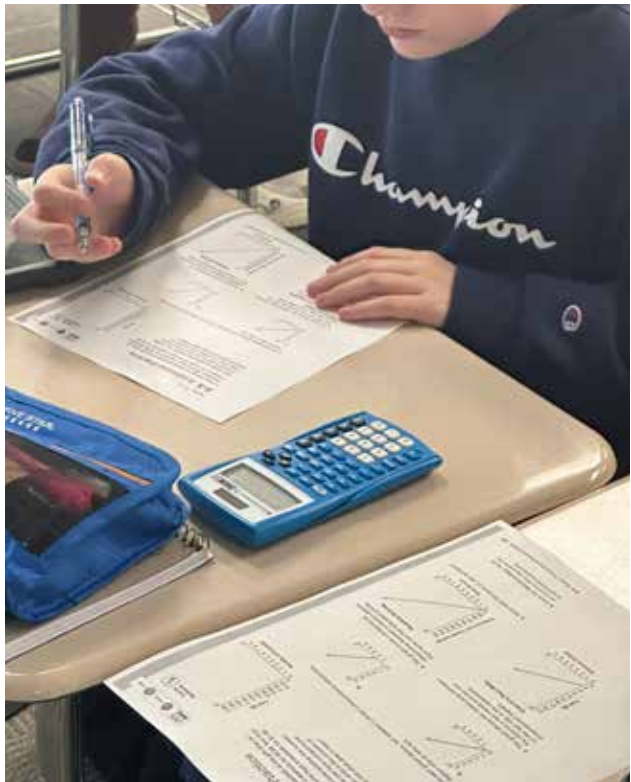
Grade Level: 9, 10, 11, 12
Credits: 2 Credits
Prerequisite: FST OR Accelerated Algebra 2
NCAA Core Course

This is a two-credit sequential pre-calculus course. It is designed for the student who will need a good math background for college and technical study. This class will prepare students to take college algebra, pre-calculus, or calculus courses in college. Topics covered include polynomial, rational, radical, exponential and logarithmic functions. Additional topics include circular and triangle trigonometry, & conic sections.

AP PRE-CALCULUS – A & B

Grade Level: 9, 10, 11, 12
Credits: 2 Credits
Prerequisite: Algebra 2 OR Accelerated Algebra 2
NCAA Core Course

AP Pre-Calculus centers on functions modeling dynamic phenomena. This research-based exploration of functions is designed to better prepare students for college-level calculus and provide grounding for other mathematics and science courses. In this course, students study a broad spectrum of function types that are foundational for careers in mathematics, physics, biology, health science, social science, and data science. Furthermore, as AP Pre-Calculus may be the last mathematics course of a student's secondary education, the course is structured to provide a coherent capstone experience and is not exclusively focused on preparation for future courses.



CALCULUS – A & B

Grade Level: 9, 10, 11, 12
Credits: 2 Credits
Prerequisite: Pre-Calculus
NCAA Core Course

This course is designed for students who want an introduction to calculus. The course focuses on the major topics of calculus and their applications. In this course, algebra and pre-calculus topics are reviewed with limits and continuity introduced intuitively and numerically. Students will study methods of calculating derivatives, as well as applications of derivative functions and their graphs. Definite integrals are introduced and used to calculate area and volume. Students will have the opportunity to enroll in CIS Calculus upon successful completion of Calculus (see CIS Calculus for additional course prerequisites).

COLLEGE ALGEBRA THROUGH MODELING – A & B

Grade Level: 11, 12
Credits: 2 Credits
Prerequisite: FST
NCAA Core Course

This course will focus on construction of mathematical models from the viewpoints of theory and real data. Those models are then used to describe real-world phenomena and make predictions. Students will explore applications of linear, polynomial, rational, exponential, and logarithmic functions as well as basic probability theory. This course is an elective course for students looking for a fourth year of mathematics.



CIS: CSE CALCULUS I – A & B (MATH 1371)

Grade Level: 9, 10, 11, 12
Credits: SHS: 2 Credits
College: 4 semester credits from the University of Minnesota Twin Cities

Prerequisite: Pre-Calculus or Calculus
Eligibility: Must meet the University of Minnesota's course admission requirements: Must have earned a grade of at least a B in both semesters of a rigorous Pre-Calculus course.

NCAA Core Course

This course is articulated with the University of Minnesota Department of Mathematics. Students who successfully complete the course will receive four semester credits from University of Minnesota in Mathematics. This class is for the serious student who desires college credit. Topics include functions and limits, differentiation, and integration. Graphing calculators are used daily and are required for the course. A field trip may be part of this course.

AP CALCULUS BC – A, B & C

Grade Level: 10, 11, 12
Credits: SHS: 3 Credits
College: Possible college credit with a score of 3 or better on the National AP Exam

Prerequisite: Calculus or CIS CSE Calculus I

NCAA Core Course

This course will review topics such as limit theory, differentiation, applications of the derivative, integration, applications of integrals, and numerical approximations of definite integrals. The course covers parametric, polar, and vector functions, their derivatives, slope fields, Euler's method, and convergence of improper integrals and series. Emphasis will be placed on preparing for the Advanced Placement Exam. A graphing calculator is required.

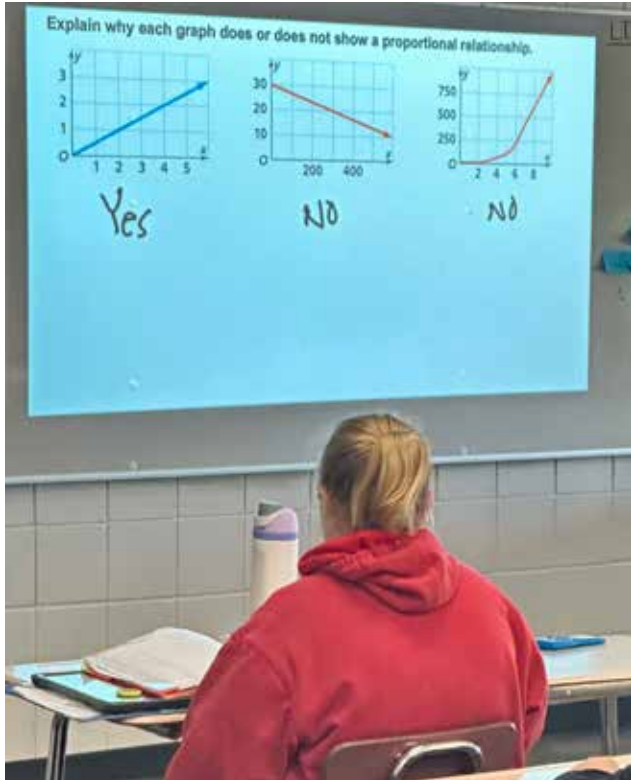
AP STATISTICS – A & B

Grade Level: 10, 11, 12
Credits: SHS: 2 Credits
College: Possible college credit with a score of 3 or better on the National AP Exam

Prerequisite: Accelerated Algebra 2 or FST

NCAA Core Course

Statistics is the most widely applicable branch of mathematics and is used by people in more areas than any other kind of mathematics. This college-level statistics course will introduce students to concepts and tools for collecting, displaying, analyzing, and drawing conclusions from data. Computers and calculators will aid in exploring the data and displaying it, while the Internet will be utilized to discover existing sets of data and studies. Certain distributions of data will be examined, and characteristics identified. Generally, successful students in this course have a track record of completing Algebra 2A & 2B with a B- or higher both semesters. The class may be taken concurrently with Pre-Calculus, CIS Calculus or AP Calculus B/C.



6

Shakopee School Board’s Graduation Requirements policy requires 3 years’ equivalent (6 credits) of science and students are required to take Physics, Chemistry and Biology. The chart below represents the required science options available to students, by graduation year, throughout their High School careers.

REQUIRED SCIENCE COURSES		
Grade	General	Accelerated
9	Physics of the Universe	AP Physics I
10	Chemistry in the Earth System	AP Chemistry
11	Biology: The Living Earth	AP Biology

Some colleges may require 4-years of science during grades 9-12. For additional science courses, please consider the following options for advanced, lab-based science courses: AP Physics C, CIS: Human Physiology, Technology, and Medical, Devices, Ecology, AP Environmental Science, Principles of Biomedical Science (PLTW), Medical Interventions (PLTW). These courses can be found within the Academies of Shakopee section of this guide. Parents and students are encouraged to investigate the admission requirements for specific colleges of their choice.

Physics Requirement Options

PHYSICS OF THE UNIVERSE – A & B

Grade Level: 9, 10, 11, 12
Credits: 2 Credits
Prerequisite: None
NCAA Core Course

Physics of the Universe will deep dive into the underlying principles that govern the interactions of systems. We will start by evaluating the motions, forces, and energies that guide the earth’s systems. We will also be exploring wave behavior and nuclear relationships as observed on earth. Then extending those understandings to our wider universe. This course will include hands-on experiences, and modeling to better understand the origins and rules of our universe.

AP PHYSICS I – A, B & C

Grade Level: 9, 10, 11, 12
Credits: SHS: 2 Credits
College: Possible college credit with a score of 3 or better on the National AP Exam
Prerequisite: Completion of Geometry
NCAA Core Course

AP Physics 1 is an algebra-based, introductory college level physics course. Students will explore topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits, and fluids. Students should expect to learn through a combination of guided inquiry, independent and collaborative problem solving.

AP PHYSICS C – A, B, & C

Grade Level: 10, 11, 12
Credits: SHS: 3 Credits
College: Possible college credit with a score of 3 or better on the National AP Exam
Prerequisite: Physics 9 or AP Physics I and previous or concurrent enrollment in Calculus.
NCAA Core Course

AP Physics C is a three-credit, calculus-based course in introductory physics. Topics for this course include study of Forces, and Motion and study of Electricity and Magnetism. AP Physics C students will explore these topics through extensive problem solving, laboratory experience, and peer collaboration. The content and pace of this course is equivalent to a first-year college physics course for students in physical science and engineering. Students should have taken a year of calculus or be concurrently enrolled in calculus. Through this course, students will prepare to take the AP Physics C: Mechanics exam and the AP Physics C: Electricity and Magnetism exam. The AP exam can qualify students to earn credit for two college courses by receiving a score of a 3 or above.



Chemistry Requirement Options

CHEMISTRY IN THE EARTH SYSTEM – A & B

Grade Level: 10, 11, 12
Credits: 2 Credits
Prerequisite: Physical Science or Physics 9
Required Materials: Calculator
NCAA Core Course

Chemistry in the Earth System is a course that focuses on the study of the composition of matter, changes in matter, and interactions of matter. These topics are integrated into the study of how human activities interact and impact earth systems. Students will explore these topics by asking questions, defining problems, developing and using models, planning and carrying out laboratory investigations, and analyzing and interpreting data.

AP CHEMISTRY – A, B & C

Grade Level: 10, 11, 12
Credits: SHS: 3 Credits
College: Possible college credit with a score of 3 or better on the National AP Exam
Prerequisite: Physics or AP Physics I
Required Materials: Calculator
NCAA Core Course

The AP Chemistry course provides a college-level foundation to support future advanced coursework in chemistry. Successful students in AP Chemistry will be self-motivated, have a desire to challenge themselves, and have been successful in previous math and science courses. This is a rigorous course covering topics of advanced chemistry and is equivalent to a beginning college chemistry class. The laboratory portion of the course is designed to reinforce and challenge concepts learned while developing practical hands-on skills needed in the lab. Successful completion of the AP Chemistry course will prepare students to take the AP Chemistry Exam.



Biology Requirement Options

BIOLOGY: THE LIVING EARTH – A & B

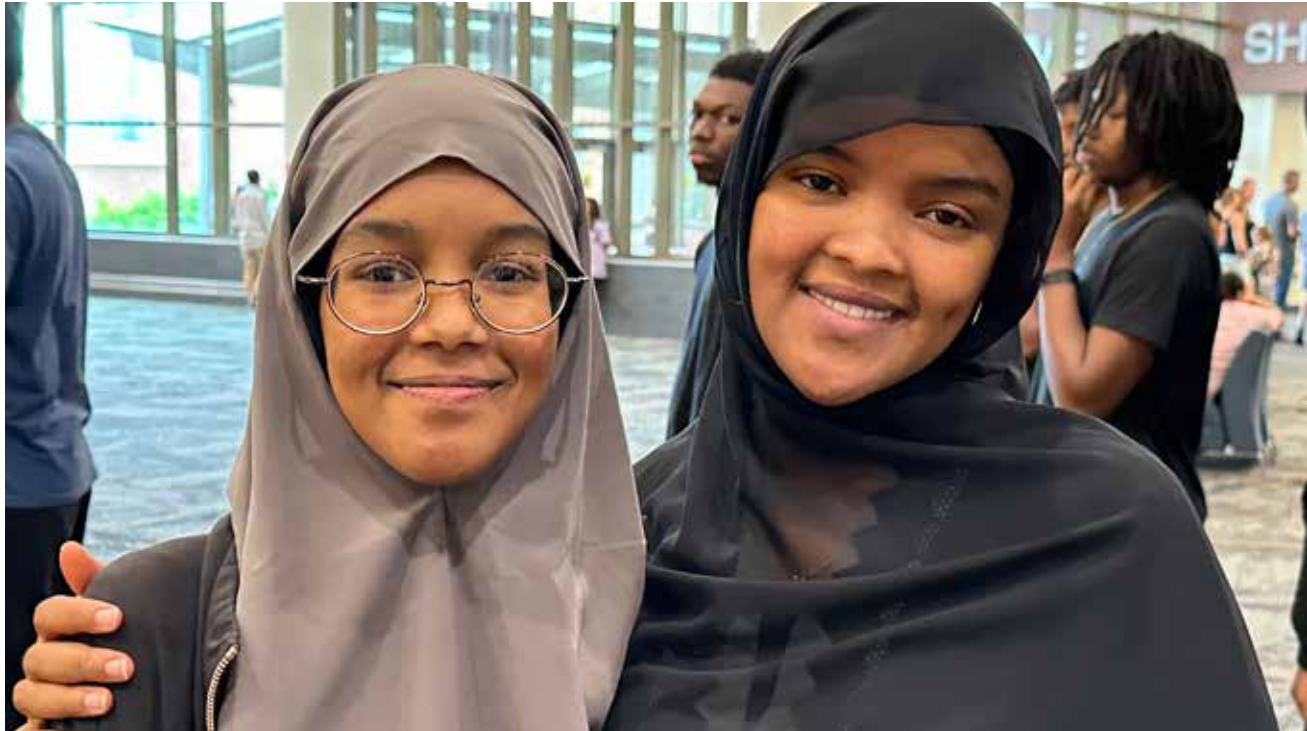
Grade Level: 11, 12
Credits: 2 Credits
Prerequisite: Chemistry or AP Chemistry
NCAA Core Course

Biology: The Living Earth, is a two-quarter class that begins to explore the intertwining of both living and nonliving components of Earth’s ecosystems. The course journeys into evolution and heredity by using evidence based on both biotic and abiotic systems. Topics will range from large scale systems to small scale systems. At the cellular level, the focus is on structure and function of cells, DNA, and molecules. The course will connect ecosystem dynamics with Earth systems while drawing connections to human impacts on climate change. Building on knowledge and skills learned in physics and chemistry of the Earth, students will engage in a variety of lab and group activities to utilize scientific skills and practices.

AP BIOLOGY – A, B, & C

Grade Level: 11, 12
Credits: SHS: 3 Credits
College: Possible college credit with a score of 3 or better on the National AP Exam
Prerequisite: Chemistry or AP Chemistry
NCAA Core Course

AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes — energy and communication, genetics, information transfer, ecology, and interactions. This course is recommended for students currently on an accelerated track and/or students who have been highly successful in a previous biology course. Successful completion of the AP Biology course will prepare students to take the AP Biology Exam.



8

Shakopee School Board’s Graduation Requirements policy requires 4 years’ equivalent (8 credits) of Social Studies courses to be taken by students during their high school career. Additional elective courses offered by this department can be found within the Academy sections of this guide.

REQUIRED SOCIAL STUDIES COURSES			
Grade	Class of 2026	Class of 2027 and 2028	Class of 2029 and Beyond
9	Human Geography (2 credits) OR AP Human Geography (2 credits)	Human Geography (2 credits) OR AP Human Geography (2 credits)	Human Geography (1 credit) OR AP Human Geography (2 credits)
10	Modern U.S. History (2 credits) OR AP U.S. History (3 credits)	Modern U.S. History (2 credits) OR AP U.S. History (3 credits)	Modern U.S. History (2 credits) OR AP U.S. History (3 credits)
11	Modern World History (2 credits) OR AP World History (2 credits)	Modern World History (2 credits) OR AP World History (2 credits)	Modern World History (2 credits) OR AP World History (2 credits)
12 Citizenship & Government	US Political and Economic Systems (1 Credit) OR CIS: Principles of Microeconomics (2 credits)	Citizenship & Government (1 Credit) OR CIS: American Democracy in a Changing World (2 credits)	Citizenship & Government (1 Credit) OR CIS: American Democracy in a Changing World (2 credits)
12 Economics		Economics (1 credit) OR CIS: Principles of Microeconomics (2 credits)	Economics (1 credit) OR CIS: Principles of Microeconomics (2 credits)
10-12 Elective	Additional Social Studies Elective (1 credit) OR a total of 8 credits taken from the courses above <i>*See elective courses below</i>	*Students taking the courses above will earn the 8 required credits for graduation.	Additional Social Studies Elective (1 credit) OR a total of 8 credits taken from the courses above <i>*See elective courses below</i>

Grade 9 Requirement Options

HUMAN GEOGRAPHY

Grade Level: 9
Credits: 1 Credits
Prerequisite: None
NCAA Core Course

This course investigates current problems associated with an unequal world. Each topic will encourage students to dig deep into causes and potential for solutions to several of the world’s most pressing concerns. Some of the problems to be investigated include population shifts, limited and depleting resources, contribution of stateless nations to civil wars, and humans’ interactions and damage to the physical environment.

AP HUMAN GEOGRAPHY – A & B

Grade Level: 9
Credits: SHS: 2 Credits
College: Possible college credit with a score of 3 or better on the National AP Exam
Prerequisite: None
NCAA Core Course

The purpose of the AP Human Geography 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. Students learn to employ spatial concepts and landscape analysis to examine human socioeconomic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications. Successful completion of the AP Human Geography course will prepare students to take the AP Human Geography Exam and give students tools to be successful in future AP courses.



Grade 10 Requirement Options

MODERN U.S. HISTORY – A & B

Grade Level: 10
Credits: SHS: 2 Credits
Prerequisite: None
NCAA Core Course

This course examines the quintessential people, ideas and events in twentieth and twenty-first century America. Fall semester will start with our country’s emergence onto the global stage studying topics such as imperialism and the two world wars. Spring semester will focus on our country’s most recent history with emphasis on the major movements and trends at the turn of the 21st century and beyond. Special attention will be placed on the development of cultural and critical literacy as well as connecting our country’s past to our present.

AP U.S. HISTORY – A, B, & C

Grade Level: 10
Credits: SHS: 3 Credits
College: Possible college credit with a score of 3 or better on the National AP Exam
Prerequisite: None
NCAA Core Course

The AP U.S. History course focuses on developing students’ understanding of American history from approximately 1491 to the present. The course has students investigate the content of U.S. history for significant events, individuals, developments, and processes in nine historical periods. The course also provides seven themes that students explore throughout the course in order to make connections among historical developments in different times and places. Generally, successful students in this class demonstrate strong reading and writing skills as well as a strong work ethic to manage the workload. Successful completion of the AP U.S. History course will prepare students to take the AP U.S. History Exam.



Grade 11 Requirement Options

MODERN WORLD HISTORY – A & B

Grade Level: 11
Credits: SHS: 2 Credits
Prerequisite: None
NCAA Core Course

This course explores the defining watershed moments and events of modern world history. Each topic will explore the roots and origins of the historical event via our skills-based approach using research, inquiry, relevance, and cultural literacy. Beginning with the study of early humans and concluding with globalization, the main focus will be to connect students to a greater understanding of current events and give clarity to their ever-changing lives.

AP WORLD HISTORY – A & B

Grade Level: 11
Credits: SHS: 2 Credits
Prerequisite: None
NCAA Core Course

The purpose of the AP World History course is to develop greater understanding of the evolution of global processes and contacts, in interaction with different types of human societies. This understanding is advanced through a combination of selective factual knowledge and appropriate analytical skills. The course highlights the nature of changes in international frameworks and their causes and consequences, as well as comparisons among major societies. Generally, successful students in this class demonstrate strong reading and writing skills as well as a strong work ethic to manage the workload. Successful completion of the AP World History course will prepare students to take the AP World History Exam.



Grade 12 Requirement: Class of 2026 Only

U.S. POLITICAL & ECONOMIC SYSTEMS

Grade Level: 12 (Class of 2026 Only)
Credits: 1 Credit
Prerequisite: None
NCAA Core Course

This course is designed to give students an overview of U.S. political and economic systems. Students will understand basic economic concepts, analyze micro and macroeconomic principles in real life situations, understand the interactions of government and economy, and develop an active citizenship. The course will include analysis of historical development of economic and political philosophy; the interaction of global, domestic, and local economies; monetary and fiscal policy; and the organization of the federal government system.

Grade 12 Requirements: Government

Required Government Option – Choose 1

CITIZENSHIP & GOVERNMENT

Grade Level: 12
Credits: 1 Credit
Prerequisite: None
NCAA Core Course

This course explores the rights, responsibilities, and roles of citizens within the framework of the U.S. government. Students will learn about the foundations of American democracy, including the Constitution, the Bill of Rights, and the structures of federal, state, and local government. The course emphasizes active citizenship, encouraging students to understand how to participate in the political process, advocate for issues, and make informed decisions in a democratic society. Key topics include voting, civic duties, political parties, civil rights, and the relationship between citizens and their government. Through discussions, case studies, and hands-on activities, students will develop the knowledge and skills necessary to be engaged, responsible citizens in a diverse and ever-changing world.

CIS: AMERICAN DEMOCRACY IN A CHANGING WORLD – A & B (POL 1001)



Grade Level: 11, 12 (10 with instructor approval)
Credits: SHS: 2 Credits
College: 3 semester credits from the University of Minnesota-Twin Cities
Prerequisite: None
Eligibility: Junior or Senior that meets ONE of the University of Minnesota’s course admission requirements:

- Cumulative GPA in recent social science courses above 3.25; OR
- Top 20% of your High School class; OR
- Demonstrate strength in the necessary reading and writing skills

NCAA Core Course

This course is articulated with the University of Minnesota Department of Political Science. Students who successfully complete it will receive four semester credits from the University of Minnesota in Political Science. The areas of emphasis will include principles, organization, processes, and functions of government; the interplay of political forces in the United States; and American budgetary and economic systems.

Grade 12 Requirements: Economics
Required Economics Option – Choose 1

ECONOMICS

Grade Level: 12
Credits: 1 Credit
Prerequisite: None
NCAA Core Course

Description: This course introduces students to the fundamental principles of economics, exploring both microeconomics and macroeconomics. Students will learn how individuals, businesses, and governments make choices in a world of limited resources. Key topics include supply and demand, market structures, the role of government in the economy, fiscal and monetary policy, international trade, and economic decision-making. The course also emphasizes practical skills such as financial literacy, data analysis, and the ability to think critically about economic issues. Through engaging lessons, real-world applications, and problem-solving exercises, students will gain the tools to understand and analyze economic trends, make informed financial decisions, and understand the broader economic forces shaping their lives.

CIS: PRINCIPLES OF MICROECONOMICS – A & B (APEC 1101)



Grade Level: 11, 12
Credits: SHS: 2 Credits
College: 4 semester credits from the University of Minnesota Twin Cities
Prerequisite: None
Eligibility: Junior or Senior that meets ONE of the University of Minnesota’s course admission requirements:

- Earned a B or better in a rigorous High School Algebra 2 Course, OR
- Cumulative GPA that exceeds 3.25; OR
- Top 20% of your High School class; OR
- Have both teacher and faculty coordinator approval

NCAA Core Course

Students who meet the requirements of qualification for the College in the Schools program will receive four semester credits in Economics from the University of Minnesota upon successful completion of this course. The main goal and focus of this course will be the issue of scarcity (the battle between unlimited wants versus limited resources). This beginning exploration of economic issues will consider the impact and role of government on current economic issues. Students will be required to write two major papers that explore the individual role in the overall global community.

Required Elective Options - 1 elective credit required
**This requirement may be met by taking an AP/College Credit course with an additional credit beyond the grade level requirement.*

CIS: AMERICAN DEMOCRACY IN A CHANGING WORLD – A & B (POL 1001)



Grade Level: 11, 12 (10 with instructor approval)
Credits: SHS: 2 Credits
College: 3 semester credits from the University of Minnesota-Twin Cities
Prerequisite: None
Eligibility: Junior or Senior that meets ONE of the University of Minnesota’s course admission requirements:

- Cumulative GPA in recent social science courses above 3.25; OR
- Top 20% of your High School class; OR
- Demonstrate strength in the necessary reading and writing skills

NCAA Core Course

This course is articulated with the University of Minnesota Department of Political Science. Students who successfully complete it will receive four semester credits from the University of Minnesota in Political Science. The areas of emphasis will include principles, organization, processes, and functions of government; the interplay of political forces in the United States; and American budgetary and economic systems.

ENVIRONMENTAL ETHICS

Grade Level: 10, 11, 12
Credits: 1 Credit
Prerequisite: None
Required Materials: Parent permission to drive to off-campus locations.
Graduation Requirement: Social Studies

This class is designed to attract the student who has a passion for the environment and to provide that student with a system of thought, through the application of the scientific method, service learning, ethics and classical logic, to evaluate human interaction with the environment. In a real-world approach, this course will include partnerships with the Minnesota Department of Natural Resources and Trout Unlimited. The classroom environment will include the Eagle Creek River System. The mission of this course is to assist students in developing an understanding of the direct footprint humans leave on the natural world and to explore methods for diminishing the impact of humans on the environment.

HUMANITIES – SOCIAL STUDIES

Grade Level: 11, 12
Credits: 1 Credit
Prerequisite: None
NCAA Core Course

Note: Students taking this class must also sign up for Humanities-English

Humanities is designed to use a holistic approach to education. Humanities foster understanding of how subjects parallel, using history, art, literature, religion, music, politics, and society to make connections between the past and the present, between the diverse world cultures and you. As a team-taught course between the Social Studies and English Departments, Humanities is intended to prepare juniors and seniors with knowledge and skills necessary to succeed in rigorous academic environments. Students will be expected to write four to five compositions, work on grammatical concepts, expand their knowledge base, think analytically, prepare presentations, and excel in class discussions. This course will be taught as a two-hour block, and each student who successfully completes the course will receive both a Social Studies and an English credit.

PSYCHOLOGY

Grade Level: 10, 11, 12
Credits: 1 Credit-Elective
Prerequisite: None
Graduation Requirement: Social Studies
NCAA Core Course

Psychology is the study of the human mind and behavior. Throughout our course we examine what motivates or drives humans to think and behave the way they do. We will study a series of unethical experiments, examine the human brain, and engage in discussions of modern psychological issues. Through our course you will improve your self-awareness, as well as gain the analytical and soft skills that will empower you to better understand, communicate and relate to other people in your life; the insights you gain from psychology help us put our lives into perspective and self-actualize.

CIS: INTRODUCTION TO PSYCHOLOGY – A & B (PSY 1001)



Grade Level: 11, 12 (10 with teacher permission)
Credits: SHS: 2 Credits
College: 4 Semester credits from the University of Minnesota Twin Cities
Prerequisite: Biology and/or Psychology recommended
Eligibility: Must meet the University of Minnesota’s course admission requirement: Must be a junior or senior in the top 20% of the class or instructor approval.

NCAA Core Course

This course is articulated with the University of Minnesota Department of Psychology and students who successfully complete it will earn four semester credits from the University of Minnesota in Psychology. This rigorous hybrid course, intended for college-bound students, includes online lectures by U of M professors who specialize in each subfield of psychology (personality, learning, social and biological psychology, etc.). Course content will introduce students to the scientific study of human behavior and mental processes and emphasis will be placed on research methods used in psychology. Students will investigate and evaluate how research is applied to solve practical, “real-world” problems. Critical thinking and independent reading of challenging material will be emphasized throughout the course. Internet access (at home or at school) is required throughout the semester to view online lectures, complete online quizzes, and access class activities and handouts.

INTERCULTURAL STUDIES

Grade Level: 10, 11, 12
Credits: 1 Credit
Prerequisite: None
NCAA Core Course

You will study and analyze culture, race, and ethnicity through multiple perspectives. You will build your capacity to interact effectively in a culturally diverse society through understanding your own cultural orientation and how it impacts your view of commonalities and ability to manage the dynamics of differences. There will be a strong emphasis on authentic learning experiences that will incorporate voice and choice through inquiry and collaboration of relevant issues.

SOCIOLOGY

Grade Level: 10, 11, 12
Credits: 1 Credit-Elective
Prerequisite: None
Graduation Requirement: Social Studies
NCAA Core Course

Regardless of career choice, taking a Sociology course will not only increase understanding of yourself and the family, friends, neighbors, and future employers that surround you, but explain dynamics that occur between the two. With the understanding that society impacts every stage of your personal and professional life, why not figure out and embrace all it has to offer. The examination of culture, mass media, gender roles, deviant behavior, and social and economic stratification will encourage reflection on this society, giving you power to make positive decisions that will impact you throughout life. Using analysis of movies, mass media class discussions, and thought-provoking projects you will be empowered with a new understanding of yourself and the complex society that surrounds you.

Global Electives



INFOGRAPHIC KEY



Fine Arts
Credit



CAPS
Program



Concurrent
Enrollment College
Credit Opportunity



AP/PLTW College
Credit Opportunity



Articulated College
Credit Opportunity

Highlighted courses are offered in-person and online

GLOMIES

Grade Level: 11, 12
Credits: 1 Credit

Application: bit.ly/GLOmiesSHS

This course is for students interested in real-life, hands-on leadership experiences within the high school. These leadership opportunities will occur through working with the school's special education program in an effort to increase inclusion. Students will: plan, prepare, and facilitate whole-group activities for students within the special education program; serve as a Teacher's Aide in one of the center-based special education classrooms; assist in the planning and implementation of whole school engagement activities (Inclusion Week, After School GLOmies, Person First Campaign, Spread the Word to End the Word Day, GLOmies Track & Field Day, etc.). Interested students will be self-starters and passionate about inclusion.

Enrollment requires approval from instructors and is based on teacher recommendation



UNIFIED P.E.

Grade Level: 11, 12
Credits: 1 Credit

Prerequisite: Recommended Physical Education Graduation Requirements Completed

This course does NOT meet a physical education graduation requirement for students serving in a mentorship role

Application: bit.ly/UPEappSHS

Unified PE allows students to develop leadership and service skills, while assisting others in meeting physical education goals. In this global elective course students will be assisting their peers who have Special Education needs as they participate in physical education. Students will help plan and implement adapted physical education activities and assist students throughout. This course is intended to provide a leadership and mentorship opportunity for students. Enrollment in this course will be by application and based on instructor approval.



TEAM & INDIVIDUAL SPORTS 1

Grade Level: 10, 11, 12

Credits: 1 Credit

Prerequisite: Recommended physical education graduation requirements completed

Does not meet graduation requirement.

Students will learn to play and compete in many team and some individual sports. 80% of the course will be participation in the various sports and 20% devoted to fitness. This course is for those who like to participate.

TEAM & INDIVIDUAL SPORTS 2

Grade Level: 10, 11, 12

Credits: 1 Credit

Prerequisite: Must have physical education graduation requirement completed

Does not meet graduation requirement.

This course is for those who like to participate and compete in sports. Competitive spirit is a must. 80% of the course will be competing daily in various team and individual sports and students are graded on the results of the competition. 20% of the course is devoted to fitness.

FINE ARTS COURSES

2

2 Credits required for Graduation. Additional Fine Arts courses are listed with the Fine Arts symbol in the Academy section.

Music

9TH GRADE BAND – A & B

Grade Level: 9

Credits: 2 Credits

Prerequisite: Band 8 or Instructor approval

Each band student is required to take seven private lessons each semester. Mandatory performances include scheduled band concerts each semester, and a variety of pep bands. These major performances and events are planned well in advance so that students and families can plan accordingly. Band members have the opportunity to take one major trip and several smaller trips throughout their high school career. These trips are optional. Music performed in each ensemble represents compositions in a variety of styles. All facets of the high school band program are designed to develop instrumental playing ability and foster greater appreciation and understanding of all music. Band students acquire technical skill on their instrument, achieve excellence through performance, and have fun through musical learning and group activities. There is no enrollment limit for the 9th Grade bands. Students can start an instrument in high school but must consult the director for further information in the spring and sign-up for summer lessons before enrolling in band.



SYMPHONIC BAND – A & B

Grade Level: 10

Credits: 2 Credits

Prerequisite: 9th Grade Band or Instructor Approval

Each band student is required to take seven private lessons each semester. Mandatory performances include scheduled band concerts each semester, large group contest, and a variety of pep bands. These major performances and events are planned well in advance so that students and families can plan accordingly. Band members have the opportunity to take one major trip and several smaller trips throughout their high school career. These trips are optional. Music performed in each ensemble represents compositions in a variety of styles. All facets of the high school band program are designed to develop instrumental playing ability and foster greater appreciation and understanding of all music. Band students acquire technical skill on their instrument, achieve excellence through performance, and have fun through musical learning and group activities. There is no enrollment limit for Symphonic Band. Students can start an instrument in high school but must consult the director for further information in the spring and sign up for summer lessons before enrolling in band.



CANTARE – A & B

Grade Level: 9

Credits: 2 Credits

Prerequisite: None

Cantare is open to any student who wishes to sing. Individual voices are heard each fall for range and voice part placement. Cantare emphasizes musical and vocal development and the enjoyment of singing. Students will explore a broad range of literature from many musical genres that include pop, Broadway musical theater, classical, and music from around the world. Cantare performs in multiple concerts per year.



Extra-curricular opportunities for music students include Chamber Choir, Jazz Band, and European Tour Ensembles. These activities meet before or after school and require audition.

SABER CHOIR – A & B

Grade Level: 10, 11, 12

Credits: 2 Credits

Prerequisite: None

Saber Choir is open to any student who wishes to sing. This ensemble is a mixed voice ensemble that emphasizes musical and vocal development and the enjoyment of singing. Students will explore a broad range of literature from many musical genres that include pop, Broadway musical theater, classical, and music from around the world. Saber Choir represents the school at MSHSL contests as well as community and school performances. Course work includes sight-reading, ear training, proper voice care, voice lessons, and working cooperatively with others through the development of tone quality and blend.

Extra-curricular opportunities for music students include Chamber Choir, Jazz Band, and European Tour Ensembles. These activities meet before or after school and require audition.



CONCERT BAND – A & B

Grade Level: 11, 12

Credits: 2 Credits

Prerequisite: Symphonic Band or Instructor Permission

Each band student is required to take seven private lessons each semester. Mandatory performances include scheduled band concerts each semester, large group contest, and a variety of pep bands. These major performances and events are planned well in advance so that students and families can plan accordingly. Band members have the opportunity to take one major trip and several smaller trips throughout their high school career. These trips are optional. Music performed in this ensemble represents compositions in a variety of styles. All facets of the high school band program are designed to develop instrumental playing ability and foster greater appreciation and understanding of all music. Band students acquire technical skill on their instrument, achieve excellence through performance, and have fun through musical learning and group activities. There is no enrollment limit for Concert Band. Students can start an instrument in high school but must consult the director for further information in the spring and sign-up for summer lessons before enrolling in band.



WIND ENSEMBLE – A & B

Grade Level: 11, 12

Credits: SHS: 2 Credits

Prerequisite: None

Wind Ensemble is made up of primarily juniors and seniors, although advanced sophomores may have the chance to audition based on instrumentation needs. Each band student is required to take seven private lessons each semester. Mandatory performances include scheduled band concerts each semester and a variety of pep band events. These major performances and events are scheduled well in advance so that students and families can plan accordingly. Band members have the opportunity to take one major trip and several smaller trips throughout their high school career. These trips are optional.

Music performed in this ensemble represents compositions in a variety of styles. All facets of the high school band program are designed to develop instrumental playing ability and foster greater appreciation and understanding of all music. Band students acquire technical skill on their instrument, achieve excellence through performance and have fun through musical learning and group activities. Wind Ensemble is an auditioned group. All students must audition the previous spring to be considered for the Wind Ensemble.



CONCERT CHOIR – A & B

Grade Level: 11, 12

Credits: 2 Credits

Prerequisite: Instructor Approval

This mixed voice choral group is selected through a non-threatening audition process. It is designed for the more experienced singer who demonstrates a high degree of self-motivation to achieve the top performance level possible. Concert Choir represents the school in state/conference contests, MSHSL contests, tours, festivals, community/school events, and concerts. Students will explore a broad range of literature from many musical genres that include pop, Broadway musical theater, classical, and music from around the world. Course work includes sight-reading, ear training, proper voice care, voice lessons, and working cooperatively to develop tone quality and blend on a variety of repertoire. There are two audition times: 1) the previous Spring for all registered students and returning choir members; and 2) the first week of school for students who have transferred or registered late. See a choir instructor if you are interested in membership.

Extra-curricular opportunities for music students include Chamber Choir, Jazz Band, and European Tour Ensembles. These activities meet before or after school and require audition



BEL CANTO CHOIR – A & B

Grade Level: 11, 12

Credits: 2 Credits

Prerequisite: Instructor Approval

This treble voice choral group is selected through a non-threatening audition process. It is designed for the more experienced singer who demonstrates a high degree of self-motivation to achieve the top performance level possible. Bel Canto represents the school in state/conference contests, MSHSL contests, tours, festivals, community/school events, and concerts. Students will explore a broad range of literature from many musical genres that include pop, Broadway musical theater, classical, and music from around the world. Course work includes sight-reading, ear training, proper voice care, voice lessons, and working cooperatively to develop tone quality and blend on a variety of repertoire. There are two audition times: 1) the previous Spring for all registered students and returning choir members; and 2) the first week of school for students who have transferred or registered late. See a choir instructor if you are interested in membership.

Extra-curricular opportunities for music students include Chamber Choir, Jazz Band, and European Tour Ensembles. These activities meet before or after school and require audition. Visual Arts



Theatre

THEATRE

Grade Level: 9, 10, 11, 12

Credits: 1 Credit

Prerequisite: None

Designed to examine the history of theatre and the development of character roles for the stage. A variety of topics and issues will be addressed and incorporated into the study of the craft of performance including: movement, character development, voice, and the audition process. Students will perform dramatic monologue(s) and dialogue(s). A critical review of a professional live performance will be required of each student. Coursework based on the National Core Arts Council standards for theatre.



Visual Arts

CERAMICS 1

Grade Level: 9, 10, 11, 12

Credits: 1 Credit

Prerequisite: None

All clay! All the time! Do you enjoy working with your hands? Do you like making art you can use? If so, Ceramics is the right class for you. Students in this class learn basic hand-building and wheel-throwing techniques to create unique and functional pottery. In addition to hands-on projects, students will study the historical significance of pottery, build creativity skills, provide and receive feedback, and reflect on and revise their work.



CERAMICS 2

Grade Level: 10, 11, 12

Credits: 1 Credit

Prerequisite: Ceramics 1

Wanted: Students with a passion for clay and desire to challenge themselves. Ceramics 2 will challenge you to create clay works you didn't know you could make. Students will explore the medium of clay as a method to communicate form and function. Functional and sculptural clay artwork will be created through hand building and wheel throwing. Student choice is vital in this studio-based class and will be shown in the student's choice of theme, clay technique, and finishing options.



PRACTICAL ART

Grade Level: 9, 10, 11, 12

Credits: 1 Credit

Prerequisite: None

Do you love creating things by hand? Have you dreamed of making your own crafts? Then this is the class for you! Students in this class will learn and practice a variety of art making techniques such as, macramé, weaving, hand sewing, and mosaics. Students will improve their artistic abilities through the creation of at least five projects that they can take home and use. Students will study and appreciate the historical and cultural significance of the crafts while working to develop their artistic style and build art making techniques.



ADVANCED ART STUDIO

Grade Level: 11, 12

Credits: 1 Credit

Prerequisite: Photography, Drawing, Painting and Printmaking, multiple courses within the same art medium or instructor permission

Do you want to dig deeper into a single art material? Do you have more ideas for paintings, photographs, design, or pottery? In this class you will have time, support, structure with lots of choice and studio space to pursue your artmaking. Students will complete assignments in their choice of art material or to focus on one medium. Regardless of medium, students will be required to show a fundamental competence and range of understanding in visual concerns (and methods). Each student will demonstrate progress over time by developing a body of work and organizing a portfolio. Some students may utilize this course to develop work for an AP portfolio, in which case you would take AP Art and Design A & B immediately after this course, required in the same year (by application and instructor approval).

Students who plan to submit an AP portfolio (by application and instructor approval), will be required to complete additional pieces, as well as enroll in the AP Art & Design course for the remainder of the school year.



AP ART & DESIGN – A & B

Grade Level: 11, 12

Credits: SHS: 2 Credits

College: Possible college credit with a score of 3 or higher on a portfolio of work submitted to the College Board

Prerequisite: Advanced Art Studio (must register in the same academic year). **This is an independent study course, required application and instructor approval (instructor will have the application).**



WORLD LANGUAGES

While world language is not required for graduation, many colleges and universities require a minimum of two to four years of the same world language taken during grades 9-12. Please consult with your counselor to ensure course selections match post-secondary planning.

German

GERMAN 1 – A & B

Grade Level: 9, 10, 11, 12

Credits: 2 Credits

Prerequisite: None

NCAA Core Course

This course introduces students to the German language, its structure, pronunciation, and the cultures of Germany, Switzerland, and Austria. We will learn lots of new words and phrases and carry on simple conversations talking about ourselves and our world: family, friends, school, hobbies and activities. The emphasis of German 1 is gaining basic speaking and listening comprehension skills, but we will also read and write short dialogs, create skits, and complete other hands-on projects using our new language skills. German will be spoken whenever possible. This class requires a high degree of motivation and memory skills, along with good study habits. Good English grammar skills are a plus. German I is a demanding course and will prepare the student to take German II.

GERMAN 2 – A & B

Grade Level: 9, 10, 11, 12

Credits: 2 Credits

Prerequisite: German 1 or by placement test

NCAA Core Course

This course continues the development of the student's conversational skills in German. We will improve our communicative abilities by learning all the basic "building blocks" of grammar, and increase our vocabulary through reading, listening and writing. We will also learn more about the geography and culture of the German-speaking world, and learn how to express our own ideas, feelings and reactions. Dialogs, skits, videos and hands-on projects continue to be a major focus.

Japanese

JAPANESE 1 – A & B

Grade Level: 9, 10, 11, 12

Credits: 2 Credits

Prerequisite: None

NCAA Core Course

Students in Japanese 1 will be introduced to the foundation of Japanese language and culture. Students will learn to read and write using Japanese characters, while developing speaking and listening skills. Students will be able to describe themselves, family members and friends in simple sentences as well as their daily activities in the past, present and future tenses. Cultural topics including Japanese family, housing, school, sports, food, geography, arts, and annual events and festivals will be introduced and explored through films, projects, activities and presentations.

GERMAN 3 – A & B

Grade Level: 10, 11, 12

Credits: 2 Credits

Prerequisite: German 2 or by placement test

NCAA Core Course

German 3 is the course where it all "comes together." Students will learn new ways to combine the basic "building blocks" of grammar that they've already learned, which will enable them to build toward creative self-expression. We will further expand our speaking, listening, reading and writing skills through role-playing, fairy tales, poetry, videos, short fiction readings, and current topics of interest for German youth. By the end of German 3, we will have developed our language skills to the extent that we will be able to travel as tourists through German-speaking countries!

GERMAN 4 – A & B

Grade Level: 10, 11, 12

Credits: 2 Credits

Prerequisite: German 3 or by placement test

NCAA Core Course

Wollt ihr einmal in Deutschland wohnen? In diesem Kurs lernen wir viel über die deutsche Kulturgeschichte, wir verbessern unser Deutsch, und wir sehen das moderne Leben in Deutschland durch die Augen eines neuen Charakters.

Students will learn to apply advanced grammar and develop the ability to "fine-tune" their self-expression in German to the point that they could live or study in Germany. We will also take a closer look at Germany's rich cultural history: art, literature, music, politics, and everyday lifestyles from the early beginnings of civilization to the present day, including current events on the Internet.

JAPANESE 2 – A & B

Grade Level: 9, 10, 11, 12

Credits: 2 Credits

Prerequisite: Japanese 1 or by placement test

NCAA Core Course

Students in Japanese 2 will be introduced to a variety of verb forms to produce more complex sentences while developing the basic four skills of language; reading, listening, speaking and writing. Students will continue to build more vocabulary and sentence structures that enable them to describe their daily activities, physical features and clothing, state their opinions, make requests, etc. Students will explore deeper into Japanese culture and learn about Japanese history, Japanese cities and their tourist attractions, physical geography, popular culture, and current events.

JAPANESE 3 – A & B

Grade Level: 10, 11, 12
Credits: 2 Credits
Prerequisite: Japanese 2 or by placement test
NCAA Core Course

Students in Japanese 3 will be able to use polite speech and casual speech comfortably in different situations and improve their proficiency in all four skills of language. Students will learn additional kanji characters and use them in their reading and writing. Students will build more vocabulary and sentence structures that enable them to describe their health conditions and experiences, compare and contrast multiple items, state opinions, etc. Students will explore deeper into Japanese culture and learn about visual arts, gift-giving custom, seasonal events, popular culture, current events, etc.

Spanish

SPANISH 1 – A & B

Grade Level: 9, 10, 11, 12
Credits: 2 Credits
Prerequisite: None
NCAA Core Course

Designed exclusively for students with no prior exposure to Spanish, Spanish I focuses on the four basic skills: listening, speaking, reading, and writing. Relevant aspects of Hispanic culture are introduced. Students explore the culture and language through projects, music, and games. Upon completion of this course, students will be able to express basic information about themselves and others. This class requires a high degree of motivation, memorization skills, and good study habits.

SPANISH 2 – A & B

Grade Level: 9, 10, 11, 12
Credits: 2 Credits
Prerequisite: Spanish 1 or by placement test
NCAA Core Course

Designed for students who have successfully completed Spanish I, Spanish II focuses on the progressive development of the four basic skills: listening, speaking, reading, and writing. The class focuses on the mastery of common grammatical structures, expressing past experiences, and extending vocabulary. Students explore the culture and language through projects, music, and games. It is recommended students take this course the year following Spanish 1.

SPANISH 3 – A & B

Grade Level: 9, 10, 11, 12
Credits: 2 Credits
Prerequisite: Spanish 2 or by placement test
NCAA Core Course

Spanish III curriculum is a faster-paced expansion of the four skills acquired in Spanish I and II. Communication is heavily stressed; students will be expected to learn new verb tenses, and more vocabulary. The focus of this class is to develop more fluency in self-expression and comprehension. We will study Hispanic culture and geography to point out cultural differences, possible cultural misunderstandings, stereotypes, and the importance of language in our multicultural society. 90% of the class is conducted in Spanish.

JAPANESE 4 – A & B

Grade Level: 10, 11, 12
Credits: 2 Credits
Prerequisite: Japanese 3 or by placement test
NCAA Core Course

The Japanese 4 course is intended for students who are interested in continuing with the development of their proficiency skills in Japanese. All four language skills (reading, writing, listening and speaking) will be emphasized in greater depth through authentic learning experiences including history, literature, cultural and social issues, and community involvement. Students in this course will explore honorific/humble expressions, passive/causative expressions, transitive/intransitive expressions through a variety of culturally relevant activities and develop their intercultural critical thinking. Students will also learn additional kanji characters to become a more proficient reader and writer.

SPANISH 4 – A & B

Grade Level: 10, 11, 12
Credits: 2 Credits
Prerequisite: Spanish 3 or by placement test
NCAA Core Course

This course is intended for those students who are interested in continuing the development of their proficiency skills in Spanish. All four language skills (reading, writing, listening, and speaking) will be emphasized in greater depth. Activities to improve these skills will include studying Hispanic literature, history, cultural and social issues.

CIS: SPANISH 1003 – A & B

Grade Level: 11, 12 (9, 10 with instructor approval)
Credits: SHS: 2.5 Credits/2 Terms
College: 5 Semester credits for the year from the University of Minnesota-Twin Cities

Prerequisite: Spanish 3, Spanish for Spanish Speakers 3, or instructor approval

Eligibility: Must meet the University of Minnesota’s course admission requirements: Must be a junior or senior with an average GPA of 3.0 or better in previous spanish classes.

NCAA Core Course

This College in the Schools course is designed and articulated with the University of Minnesota. Students who successfully complete this course with a C- or better, will receive five U of MN credits. The course is intended for students who are looking for additional challenges in the fourth year of Spanish. Emphasis is on proficiency in reading, writing, speaking, and listening based on the intermediate level of the national standards. Students will utilize their Spanish skills through the study of history, art, culture, and literature of Spanish-speaking countries.



Spanish - Continued

CIS: SPANISH 1004 – A & B

Grade Level: 10, 11, 12
Credits: SHS: 2.5 Credits/ 2 Terms
College: 5 Semester credits for the year from the University of Minnesota Twin Cities

Prerequisite: CIS: Spanish 1003 or Instructor Permission
Eligibility: Must meet the University of Minnesota’s course admission requirements: Must be a junior or senior with an average GPA of 3.0 or better in previous spanish classes.

NCAA Core Course

This College in the Schools course is designed and articulated with the University of Minnesota. Students who successfully complete this course with a C- or better, will receive five U of MN credits. The course is intended for students who have successfully completed C.I.S. 1003 and are looking for additional challenges in the fifth year of Spanish. Emphasis is on proficiency in reading, writing, speaking, and listening based on the intermediate level of the national standards. Students will utilize their Spanish skills through the study of history, art, culture, and literature of Spanish-speaking countries.

SPANISH FOR SPANISH SPEAKERS 1 – A & B

Grade Level: 9, 10, 11, 12
Credits: 2 Credits
Prerequisite: This class is for students who speak Spanish at home as a primary or secondary language. Students should be conversational in Spanish, but not necessarily able to read and write

NCAA Core Course

This course is designed for students that speak Spanish conversationally or fluently and want to improve their Spanish skills. The class will be taught exclusively in Spanish, but it is not assumed that students know academic Spanish; academic vocabulary will be taught. The emphasis will be placed on developing reading, writing, spelling, and grammar. The objective is to support the student with their linguistic skills and provide them with the necessary academic skills to use written and spoken language in a more sophisticated way, both in Spanish and by transferring these skills to English. The class will include literature from Spanish speaking countries, cultural analysis and activities to define and understand how cultures intersect.

Este curso ha sido diseñado para el estudiante que habla español y quiere mejorar sus habilidades lingüísticas. La clase será impartida estrictamente en español, pero no se supone que los alumnos entienden español académico. El énfasis será puesto en el desarrollo de las habilidades en la lectura, la redacción, la ortografía, y la gramática. El objetivo es proveer al estudiante con las habilidades académicas necesarias para manejar el lenguaje en el discurso escrito y oral, y para transmitir las habilidades lingüísticas a otras clases y lecturas en inglés. La clase se enfocará en literatura de culturas hispanas y ofrecerá al estudiante la oportunidad de aprender sobre culturas hispanas por análisis cultural y un estudio de cómo y cuándo cruzan con otras culturas.



SPANISH FOR SPANISH SPEAKERS 2 – A & B

Grade Level: 9, 10, 11, 12
Credits: 2 Credits
Prerequisite: Spanish for Spanish Speakers I or by placement test
Eligibility: This class is for students who speak Spanish at home as a primary or secondary language. Students should be conversational in Spanish, but not necessarily able to read and write.

NCAA Core Course

This course is designed for the student who speaks Spanish conversationally or fluently and wants to improve their literacy and linguistic skills. The class will be taught strictly in Spanish, but it will include instruction of academic vocabulary. The emphasis will be placed on building on skills in reading, writing composition, grammar, and will present more complex literature. The objective of this course is to support students in developing the academic skills necessary to use more sophisticated language in both reading and speaking. The class will also build on a study of Hispanic culture, with an emphasis on analysis of the historical forces that influence the development of Hispanic countries and cultures, and the implications on today’s culture.

Este curso ha sido diseñado por un estudiante que habla español y quiere mejorar sus habilidades lingüísticas. La clase será impartida estrictamente en español, pero va a incluir enseñanza de vocabulario y español académico. El énfasis será puesto en el mejoramiento de las habilidades necesarias para manejar el lenguaje más complejo y sofisticado en el discurso escrito y oral. La clase también aumentará el estudio de la cultura hispana, con análisis profundo de las fuerzas históricas que han desarrollado la cultura y los países hispanos y las implicaciones en la cultura de hoy.

SPANISH FOR SPANISH SPEAKERS 3 – A & B

Grade Level: 9, 10, 11, 12
Credits: SHS: 2 Credits
Prerequisite: Spanish for Spanish Speakers 2 or by placement test

NCAA Core Course

This class is intended for students who wish to improve their Spanish reading and writing skills through the interpretation of authentic Spanish literature. The class will be taught exclusively in Spanish. In this class students will read authentic literature and use it as the springboard for learning language, building verbal and written communication skills, developing literary analysis and critical thinking skills, and connecting students with their rich and diverse cultural heritage.

Esta clase está diseñada para estudiantes que desean mejorar la lectura y la composición en español leyendo e interpretando obras de la literatura auténtica de España y los países Hispanos. Americanos Los estudiantes tendrán que interpretar la literatura escribiéndola. Esta clase será enseñada totalmente en español. En esta clase los estudiantes leerán literatura auténtica y usarán estas lecturas para aprender su idioma mayor así como para desarrollar sus habilidades de comunicación oral y escrita desarrollar sus habilidades en el análisis literario y el pensamiento crítico y conectar a los estudiantes con su diverso patrimonio cultural.

MY PLACE. MY PATH. MY FUTURE.



The **Academies of Shakopee** includes eight career Academies within Shakopee High School. Students enter the 9th Grade/Freshman Academy (Alpha or Omega) to discover their own unique interests. They then choose a home Academy for their sophomore through senior year. Each Academy has its own physical location inside the high school, a team of teachers, an Academy Principal, an Academy Champion and elective courses tied to each Academy career pathways. Teachers, school counselors and the high school administrative team support families throughout their journey at the Academies so students can become life and career pathway ready!

EIGHT EXCITING ACADEMIES

- Arts & Communication
- Business & Entrepreneurship
- Engineering & Manufacturing
- Health Science
- Human Services
- Science & Technology
- 9th Grade/Freshman Academy (2)

SMALL LEARNING COMMUNITIES

Students and teachers are organized around areas of interest.



Shakopee's Center for Advanced Professional Students provides high school students with a professional, innovative and entrepreneurial education through career-oriented experiences that are both hands-on and real-world. Aside from CAPS Programs within the Academies, Shakopee CAPS also partners with Normandale Community College, Hennepin Technical College and St. Cloud State University to give students the opportunity to earn college credit in addition to high school elective credits.

PROUD PARTNERSHIPS

The Shakopee Chamber and local businesses work to provide real-world, authentic learning experiences and career exploration activities.

STRONG CONNECTIONS

Students are connected with others who have similar aspirations and teachers who can make meaningful connections to their future.



Portrait of a Graduate

At Shakopee High School,

Students are resilient, responsible, resourceful, and respectful.

Students are seen as confident, creative, collaborative, and culturally responsive.





HOW TO READ YOUR ACADEMY CURRICULUM FRAMEWORK: KEY TERMS DEFINED

Area of Interest

Broad area of interests commonly used by universities and the Minnesota Department of Education as career clusters.

Gateway Course

A quarter length course that introduces each Area of Interest and is a requirement for 6th and 7th grade students at the middle level.

Programs of Study

A sequence of courses that increase in depth and complexity in a more focused program within an Area of Interest and directly relates to 2-yr and 4-yr post-secondary options and relevant career opportunities.

Introductory Course

The first course in a sequence of courses within a program of study. Typically, taken by 9th or 10th Graders exploring Academies.

Intermediate Course

The second course in a sequence of courses within a program of study. Typically taken by 10th and 11th Graders within the Academy.

Advanced Course

The third course in a sequence of courses within a program of study. These courses must include value added programing. Typically, taken by 11th and 12th Graders within the Academy.

Academy Elective

An elective course within an Academy that builds on the programs of study and is available to students outside of the Academy.

Global Elective

A course that is not embedded within an Academy. Typically meets a post-secondary or graduation requirement (e.g. World Language, Fine Arts).

CAPS Program

A profession-based, immersion program for 11th and 12th Grade students who attend class, with a Shakopee High School teacher, at an industry partner location, with an opportunity for a second-semester internship.

MIDDLE SCHOOL	HIGH SCHOOL			
Area of Interest Courses (Grades 6-8)	Program of Study	Introductory Courses	Intermediate Courses	Advanced Courses
Area of Interest Gateway (Grade 7): Snack Attack Middle School Electives (Grades 7 & 8): GTT: Medical Detectives (PLTW) 2 Fit 2 Quit Code Red Middle School Connection	Biomedical		Principles of Biomedical Science (PLTW**)	Medical Interventions (PLTW**)
	Healthcare		Principles of Biomedical Science (PLTW**)	Nursing Assistant
			Healthcare Simulation	Emergency Medical Responder
	Public Health	Human Body Systems	Healthcare Simulation	Three Course Sequence
			Global Health and Disease Prevention	Community Health
	Exercise Science	Program of Study	Human Movement Sciences	Sports Medicine Emergency Medical Responder
Additional Academy Elective Courses:		CIS: Human Physiology, Technology, and Medical Devices Youth Skills Training Nutrition for the Human Body		
CAPS Program:		Shakopee CAPS: Healthcare and Medicine (Can substitute for the Advanced Course in any Health Science Program of Study)		



The 9th Grade Academy is for students who spend time discovering their own unique interests and then chose a home Academy for their sophomore through senior year. The 9th Grade Academy provides additional time to explore courses offered by the six Academies.



Learn More



NCAA ELIGIBILITY INFORMATION

KNOW THE RULES

NCAA Eligibility for student athletes is strict and has a list of rules that must be followed in order to be eligible. Parent/guardian(s) and students are encouraged to read guidelines and speak with coaches at choice colleges. It is recommended to start the core course planning in 9th and 10th Grade.



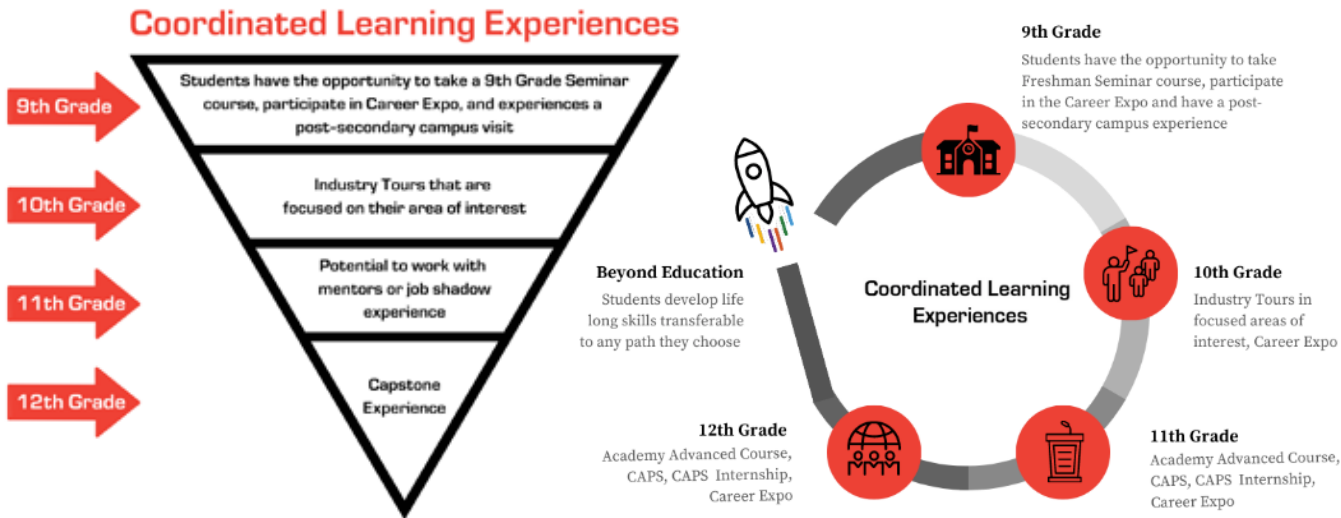
Information regarding the rules please go to [NCAA.org](https://www.ncaa.org). Scroll over “Student Athlete”, then click on “NCAA Eligibility Center,” or visit the Eligibility Center website at eligibilitycenter.org.

Please call the NCAA Eligibility Center if you have questions:
Toll-free number: 877-262-1492



9TH GRADE ACTIVITY SNAPSHOT					
July	August	September	October	November	December
Saber Launch Program (select students)	Back to School Events 9th Grade Orientation Open House	First day of school Fall Bash Respect Retreat (when available) Activities Fair	Homecoming	Career Expo	Pre-registration (visits, tools, resources)

9TH GRADE ACTIVITY SNAPSHOT					
January	February	March	April	May	June
Respect Retreat (when available) Saber Showcase Registration period Engage in Excellence		Incoming 9th Grade Tours	Campus/ Trade Visits	Saber Showcase	



Explore the Academies of Shakopee




Arts & Communication Academy



Related Careers: Art Directors, Curator, Stage Manager, Museum and Exhibit Manager, Director, Performer (Musician, Actor), Music Directors and Composers, Audio and Video Technician, Sound Engineer, Producers and Directors, Editors, Writers and Authors, Public Relations and Fundraising Manager, News and Print Media, Journalist, Multimedia Artists and Animators, Interior Designers, Artist and Art Marketer, Graphic Designers



Student Project Spotlight

MIDDLE SCHOOL	HIGH SCHOOL			
Area of Interest Courses (Grades 6-8)	Program of Study	Introductory Courses	Intermediate Courses	Advanced Courses
Area of Interest Gateway (Grade 6): Heroes Middle School Electives (Grades 7 & 8): Digital Art Pencils, Paints, and Prints Drop a Beat House of Style Saber Animation & Video Sculpt It	Music Performance and Production	Music Production 1	Music Production 2 Performance Studio	Creative Professional: Music
	Video Production	Video Production 1	Video Production 2	Creative Professional: Video
	Graphic Design and Animation	Graphic Design 1	Graphic Design 2 Photography	Creative Professional: Design
	Creative Design	Design Fundamentals	Photography Drawing, Painting, Printmaking	
	Additional Academy Elective Courses:	Interior Design Fashion Merchandising and Design Creative Writing Public Speaking	Yearbook Journalism 1 Yearbook Journalism 2 Animation & Game Design	
	CAPS Program:	 Shakopee CAPS: Creative Marketing & Communications (Can substitute for the Advanced Course in any Arts & Communication Program of Study)		

*Students must complete a 3 Course Program of Study

Mission Statement:

VOICE - The Arts & Communication Academy will develop skills for a 21st century world by fostering relevant experiences that Validate student's Originality by Inspiring Creative Expression.

Academy Champion



SHAKOPEE MDEWAKANTON SIOUX COMMUNITY

Introductory Courses

MUSIC PRODUCTION 1 (FORMERLY INTRO TO PERFORMANCE PRODUCTION)

Grade Level: 9, 10, 11, 12

Credits: 1 Credit

Prerequisite: None

Program of Study: Music Performance and Production

Music Production 1 will introduce students to the fundamentals of creating, writing, and recording music. The course will cover the roots of popular music, basic music theory, beginner songwriting, and an introduction to sound recording. Students with music production, vocal, and/or instrumental interests are welcome. Students will have an opportunity to dive deeper into their chosen area of interest through a summative project.

DESIGN FUNDAMENTALS

Grade Level: 9, 10, 11, 12

Credits: 1 Credit

Prerequisite: None

Program of Study: Creative Design

Are you looking to explore the world of art? Do you want to try out a variety of art materials? This class provides students with an introduction to basic art making techniques of drawing, painting, color theory and exploration of artistic choice. This studio class provides an opportunity to build skills while making art daily. In addition to hands-on projects, students work to develop art language through written and oral critiques, and reflections of their work. This class is the prerequisite for Draw, Paint, Printmaking and Photography.

Intermediate Courses

PERFORMANCE STUDIO (FORMERLY MUSIC STUDIO)

Grade Level: 10, 11, 12

Credits: 1 Credit

Prerequisite: Music Production 1 (Formerly Intro to Performance Production)

Program of Study: Music Performance and Production

Performance Studio will introduce students to musical techniques in varying styles and develop performance skills in both individual and small groups. Potential musical styles include musical theater, jazz, classical, and popular music. Students will also continue learning about songwriting and producing their own creative work. Depending on enrollment, classes may be sectioned into either a vocal focus or instrumental focus (guitar, bass, drums, keyboard, winds).

VIDEO PRODUCTION 1 (FORMERLY ELEMENTS OF VIDEO PRODUCTION)

Grade Level: 9, 10, 11, 12

Credits: 1 Credit

Prerequisite: None

Program of Study: Video Production 1

Video production 1 will provide students with a foundation in film, television, photography, and music production. Students will explore video, sound and music editing, camera setup, broadcast studio setup and sound and music recording, and lighting.

GRAPHIC DESIGN 1

Grade Level: 9, 10, 11, 12

Credits: 1 Credit

Prerequisite: None

Program of Study: Graphic Design and Animation

Communicating through art! Whether it be to advertise or sell, inform, persuade, or explain the graphic arts communicates with a targeted audience. The course utilizes the Adobe Creative Suite (Photoshop, Illustrator, and others) and will be examined as the primary tools used to plan and execute graphically designed visual artwork. Students study the design principles, color theory, composition, and spatial relationships. Projects may include image collage, typography, building a logo design, digital collage, and personal capstone project.

This class builds skills that are applicable to the real world in the visual arts industry; the focus will be on finding creative visual solutions to communication problems using technical skills. In addition to hands-on projects, the students will work to develop their art language, build artistic skills, provide/receive feedback, and reflect on and revise their work.

MUSIC PRODUCTION 2 (FORMERLY MUSIC RECORDING & SONGWRITING)

Grade Level: 10, 11, 12

Credits: 1 Credit

Prerequisite: Music Production 1

Program of Study: Music Production 1 (Formerly Intro to Performance Production)

Students will learn the history and techniques of live recording and multi-tracking. Participants will effectively use digital and analog inputs with a digital audio workstation, recording and editing sound to create high-quality audio on their computers. Students will also create and produce multiple original musical samples. This class is designed for students who wish to develop the skills necessary to write, record, and produce original music.

Intermediate Courses - Continued

VIDEO PRODUCTION 2 (FORMERLY BROADCAST & VIDEO PRODUCTION)

Grade Level: 10, 11, 12

Credits: 1 Credit

Prerequisite: Video Production 1 (formerly Elements of Video Production)

Program of Study: Video Production

In this course, students will use the power of visual media to target relevant messages to a variety of audiences. Building on the techniques introduced in Video Production 1, students will self-select projects to produce video in a variety of areas: social media, film, T.V. journalism, etc. In addition, students will build skills with professional editing software, project management, and content reviews.



GRAPHIC DESIGN 2

Grade Level: 10, 11, 12

Credits: 1 Credit

Prerequisite: Graphic Design 1

Program of Study: Creative Design

Are you looking to build your skills in creative problem solving? Do you want to improve your ability to communicate visually in this visual world? This course will continue to build on the foundational graphic design skills using the Adobe Creative Cloud (CC) and gain exposure to additional applications (Illustrator, Photoshop & InDesign). Graphic Design foundations may include visual hierarchy, color theory, typography, illustration, layout design and image editing. Projects include goals in advertising to inform and persuade in social media and print advertising, layout design, package design and a personal capstone project. In addition to hands-on projects, the students will work to develop their art language, build artistic skills, provide/receive feedback, and reflect on and revise their work.

DRAWING, PAINTING, AND PRINTMAKING

Grade Level: 10, 11, 12

Credits: 1 Credit

Prerequisite: Design Fundamentals

Program of Study: Creative Design

Oodles of doodles! A Plethora of Paint! Piles of Prints! Is your notebook full of drawings? Is your room filled with paintings and prints? If so, this class is the place for you. In Draw, Paint, and Printmaking, students learn and practice a variety of two-dimensional techniques and mediums, such as acrylic painting, colored pencils, pen and ink, and reduction printing. In addition to hands-on projects, students will work to develop their art language, build creativity skills, provide/receive feedback, and reflect on and revise their work.

PHOTOGRAPHY

Grade Level: 10, 11, 12

Credits: 1 Credit

Prerequisite: Graphic Design 1 or Design Fundamentals

Required Materials: Camera equipment is available to check out, but students may provide their own camera equipment.

Program of Study: Creative Design

Do you want to learn more about the art of creating photographs? The ability to control all of the settings on a Digital SLR camera is a very powerful tool that allows for lots of creative flexibility in photography. Learning how to use an SLR camera will take you beyond the snapshot! This class is designed as a three-part learning course: technical camera tools, technical software (Adobe Photoshop & Lightroom) for editing and processing photographic work, and creative composition projects. With each unit, you will learn something new from all three areas to improve your photography skills. In addition to photographing in natural light, you will have experiences with ambient light in our lighting studio. Students will work to develop their art language, build artistic skills, understand historical influences, provide, and receive feedback, and reflect on and revise their work.

INFOGRAPHIC KEY



Fine Arts
Credit



CAPS
Program



Concurrent
Enrollment
College Credit
Opportunity



AP/PLTW
College Credit
Opportunity



Articulated
College Credit
Opportunity

Highlighted courses are offered in-person and online

Advanced Courses - Continued

CREATIVE PROFESSIONAL

Grade Level: 11, 12
Credits: 1 Credit
Prerequisite: Completed an Intermediate course in the Arts & Communication Academy
Program of Study: Music Performance and Production, Video Production, Graphic Design, Creative Design

In this course, you will fill the role of designer, photographer, artist, writer, sound engineer, musician, videographer and more. Add your talent to team projects such as advertising campaigns, magazine layouts, music videos or albums, art installations, original films and documentaries, murals, and beyond.

These authentic experiences will guide students through creative collaboration with classmates and industry professionals. Students will utilize project management tools and develop professional and technical skills while practicing for real-world industry environments.

SHAKOPEE CAPS CREATIVE MARKETING & COMMUNICATIONS INTERNSHIP

Grade Level: 11, 12
Credits/Length: SHS: 2 Credits/1 Term
Prerequisite: Shakopee CAPS Creative Marketing & Communications – Semester 1
Schedule: 3rd Quarter (Blocks 3 and 4)
Location: Various internship locations in Shakopee area
Eligibility: Acceptance into an internship will depend on the student's application and interview. Students are NOT guaranteed placement into an internship.

The Shakopee CAPS Creative Marketing & Communications Internship will give students direct experience working in the creative field. Students will gain valuable professional skills working alongside industry partners. A variety of internships are available; students will be able to pursue internships that most interest them. All students will apply and interview for these competitively placed positions. Students who have participated in internships show a higher chance of completing college with less debt. Come get a start on your future and develop your competitive edge.



SHAKOPEE CAPS CREATIVE MARKETING & COMMUNICATIONS

Grade Level: 11, 12
Credits/Length: SHS: 4 Credits/2 Terms
College: 3 semester credits from Normandale Community College

Prerequisite: Intermediate Course in an Arts & Communication Program of Study, Marketing, or an Advanced Course in another Academy.
Schedule: 1st Semester (Blocks 3 and 4)
Location: Shakopee Mdewakanton Sioux Community - Marketing & Communications
Eligibility: on a completed application and course registration. All applications are due at the close of registration. Normandale Community College has a separate application once enrolled in CAPS. See your counselor for any questions regarding the application process. Please use the link below to view the application.

Application: bit.ly/CAPSapp25

Are you eager to build professional skills for a career in creative marketing and communications? The Shakopee CAPS Creative Marketing & Communications program offers a deep dive into the fields of marketing and creative design. This program provides unique access to the Shakopee Mdewakanton Sioux Community Marketing & Communications Department, which enriches the learning experience.



Through the CAPS program, students engage with the business host site, the Shakopee Mdewakanton Sioux Community (SMSC), and earn college credit with Normandale Community College. This hands-on experience fosters professional skill development through mentorship, networking, and authentic project work, effectively preparing students for potential internship opportunities in the 3rd quarter with local businesses.

Additionally, students will benefit from career exploration opportunities, including guest speakers and site visits, which will expose them to a variety of creative career paths. Students gain insight into the diverse opportunities available in creative design, marketing, and communications careers, enhancing their readiness for the professional world.



Academy Elective Courses

ANIMATION AND GAME DESIGN

Grade Level: 10, 11, 12
Credits: 1 Credit
Prerequisite: None

This course introduces students to production techniques of 2D and 3D animation. Students learn the basics of traditional character frame by frame animation through a series of exercises. The class will include an introduction to traditional hand-drawn animation as well as 2D & 3D animation software with Blender, and Adobe After Effects and Animate (computer graphics applications for animation, modeling, and rendering). Students will import their characters into a game engine to see their animations come to life. Individual exploration is emphasized in projects and critique, culminating in the creation of a short, animated project.



CREATIVE WRITING

Grade Level: 10, 11, 12
Credits: 1 Credit
Prerequisite: None
NCAA Core Course

Creative Writing is designed for students who enjoy creative self-expression through writing. Works of established authors will be discussed and evaluated. A variety of writing styles will be examined. Students will concentrate on the tools and techniques of writing: characterization, setting, and plot. Students will write three major creative pieces and some minor works.



FASHION MERCHANDISING & DESIGN

Grade Level: 9, 10, 11, 12
Credits: 1 Credit
Prerequisite: None

Interested in the world of fashion? This is your opportunity to explore the concepts of buying and selling clothing in a retail setting as well as explore the creative, fashion design process. You will learn how to use the elements and principles of design to create eye-appealing styles. As an important part of merchandising and design, you will learn how to construct and sew clothing and apply those skills to create a garment of your choice.



PUBLIC SPEAKING

Grade Level: 10, 11, 12
Credits: 1 Credit
Prerequisite: None
NCAA Core Course

Public Speaking is an introductory course combining communication theory with practical speaking experiences. Students will learn how to plan, prepare, organize, outline, and deliver a speech. A variety of speaking experiences of varying lengths are required. Some types of speeches may include: values, career, demonstration, storytelling, oral interpretation, informative, persuasive, debate, and impromptu. This course will help students be successful with real-life experiences and in preparation for the required college public speaking course.

INTERIOR DESIGN

Grade Level: 9, 10, 11, 12
Credits: 1 Credit
Prerequisite: None

When you walk into a room, do you imagine a new design? Do you want to re-create the space in your own way? In Interior Design I, you will learn the basics of designing spaces for the interior and exterior of homes. This course will emphasize designing and drawing floor plans, types of furniture and furniture layout, window treatments, wall coverings, the history of housing, and the elements and principles of design. These skills will guide students to creatively and knowledgeably design rooms. Students will create floor plans and presentation boards that reflect their creativity as an interior designer.



YEARBOOK JOURNALISM 1

Grade Level: 9, 10, 11, 12
Credits: 1 Credit
Prerequisite: None

Students in this class will collaboratively produce the latest edition of the Shakopee High School yearbook. Students will learn the basics of photography, graphic design & layout, and journalistic writing while contributing their own ideas and content to the publication. Students will practice and gain skills in journalism, project management, communication, teamwork, and principles of design.



YEARBOOK JOURNALISM 2

Grade Level: 9, 10, 11, 12
Credits: 1 Credit
Prerequisite: Yearbook Journalism 1

Students in this class will work together to create the latest edition of the Shakopee High School yearbook. After completing Yearbook 1, participants will focus on utilizing their strongest skills and taking on leadership roles in the publication process. Responsibilities may include editing tasks, as well as teaching and mentoring students in Yearbook 1. Throughout this experience, students will develop essential skills in journalism, project management, communication, teamwork, and design principles.



Business & Entrepreneurship Academy



Related Careers: Accountant, Bookkeeper, Actuary, Insurance Underwriters, Loan Officer, Financial Planner, Tax Preparer, Venture Capitalist, Small Business Owner, Entrepreneur, Business Analysts, Office Manager, Supply Chain Manager, Hotel Management, Event Planner, Tour Operator, Food and Beverage Manager, Executive Chef, Sous Chef, Restaurant Owner, Market Research Analysts, Recruiters, Social Media Marketing Manager, Sale Representatives & Retail Managers, Fundraiser, Media Buyer

MIDDLE SCHOOL	HIGH SCHOOL			
Area of Interest Courses (Grades 6-8)	Program of Study	Introductory Courses	Intermediate Courses	Advanced Courses
Area of Interest Gateway (Grade 7): Think Tank Middle School Electives (Grades 7 & 8): Innovation Lab Money Doesn't Grow on Trees Teen Chef	Accounting and Finance	Business Dynamics	Accounting Finance and Investments	Advanced Business Seminar
	Entrepreneurship and Business Management		Management and Leadership Entrepreneurship Global Business	
	Marketing and Sales		Marketing	Advanced Business Seminar CAPS: Creative Marketing & Communications
	Hospitality and Restaurant Management	Business Dynamics Culinary Arts 1	Hospitality Management Culinary Arts 2	Advanced Business Seminar Culinary Arts 3
	Additional Academy Elective Courses:	Sports & Entertainment Marketing Social Media Marketing Business Technology		Baking & Pastry 1 Baking & Pastry 2 Culinary Arts 4
	CAPS Program:	Shakopee CAPS: Business Administration and Management (Can substitute for the Advanced Course in any Business & Entrepreneurship Program of Study)		

Academy Champions



Mission Statement:

The Business and Entrepreneurship Academy aims to prepare students for career, college, and entrepreneurial success by providing students personalized, relevant opportunities that foster innovation and integrity in the global community.

Introductory Courses

BUSINESS DYNAMICS

Grade Level: 9, 10, 11, 12
Credits: 1 Credit
Prerequisite: None
Program of Study: Accounting and Finance, Entrepreneurship and Business Management, Hospitality and Restaurant Management, Marketing and Sales

Amazon knows... Nike knows...Mark Zuckerberg knows... how to turn passion into profit! Uncover business secrets and learn the skills necessary to succeed in today's dynamic business environment. This course exposes you to the business cornerstones of marketing, entrepreneurship, finance, management, and more. Begin your journey to business success today!

CULINARY ARTS 1

Grade Level: 9, 10, 11, 12
Credits: 1 Credit
Prerequisite: None
Program of Study: Hospitality and Restaurant Management

If you are passionate about food and are considering a career in the culinary field, this course will help you develop the professional skills to be successful in the food & lodging industry. You will be immersed in hands-on labs and lessons to build your professional culinary skill set. You will master the fundamental techniques on how to make sauces, stocks, soups, breakfast foods and sandwiches. We will also explore nutrition, kitchen basics, food service equipment and safety and sanitation. This course is the first level of the ProStart® Program which is an industry-based program that prepares students for careers in the restaurant and foodservice industry.

Intermediate Courses

CULINARY ARTS 2

Grade Level: 10, 11, 12
Credits: 1 Credit
Prerequisite: Culinary Arts 1
Program of Study: Hospitality and Restaurant Management

The Culinary Arts 2 curriculum provides a continued opportunity for students to acquire comprehensive knowledge of the food service industry. Students will be immersed in hands-on labs and lessons to advance their professional culinary skill set. Students will master the advanced techniques on how to make global cuisine, breakfast foods & sandwiches, salads & garnishes, and meat/seafood dishes. Students will apply nutritional principles to food preparation and storage, investigate marketing strategies and develop menus, and strengthen their business and math skills.

This course is the second level of the ProStart® Program which is an industry-based program that prepares students for careers in the restaurant and food service industry. Optional: Students are encouraged to find employment in the field in order to achieve the 400 hours (and two exams) required to earn the ProStart certificate.



ACCOUNTING – A & B

Grade Level: 10, 11, 12
Credits: SHS: 2 Credits
Prerequisite: Business Dynamics
Required Materials: Calculator
Program of Study: Accounting and Finance

Accounting is the language of business, and many post-secondary institutions require this knowledge in business degree programs. This course will prepare students 1) who need a foundation for studying business and accounting at the post-secondary level; 2) who desire careers in related business fields for which some accounting knowledge and application is needed; or 3) who desire vocational preparation for an accounting career. This course is highly recommended for students who are interested in being a part of the business world in any capacity. Accounting will teach students how to apply accounting theory to typical business transactions. You will learn accounting procedures for starting a business, creating financial statements, and completing an accounting cycle for a service business organized as a sole proprietorship. Daily use of hands-on learning using web-based applications and Excel will take place. No matter what types of businesses rise and fall, there will always be a need for accountants and this class will only make you more marketable. Recommended this course be taken in 11th or 12th Grade.

INFOGRAPHIC KEY

Fine Arts Credit

CAPS Program

Concurrent Enrollment College Credit Opportunity

AP/PLTW College Credit Opportunity

Articulated College Credit Opportunity

Highlighted courses are offered in-person and online

Intermediate Courses - Continued

FINANCE AND INVESTMENTS

Grade Level: 10, 11, 12
Credits: 1 Credit
Prerequisite: Business Dynamics
Program of Study: Accounting and Finance

The next best thing to a “money-making machine” ...this class is designed to equip students with the tools and knowledge necessary for understanding corporate finance and building wealth! This course introduces the fundamentals of the financial industry including an emphasis on a wide variety of real-world situations. Financial markets, securities, mutual funds, futures, real estate, and other investment vehicles will be analyzed in preparation for the student to create a hands-on personal investment strategy and portfolio. If you put dollars in solid and thoughtful investments today, how much would you accumulate for your future? Join the class and learn how to make time and money work for you.

MANAGEMENT & LEADERSHIP

Grade Level: 10, 11, 12
Credits: 1 Credit
Prerequisite: Business Dynamics
Program of Study: Entrepreneurship and Business Management

Management and Leadership will explore a variety of management strategies that will help you lead and influence others. It will provide business management concepts and principles in a realistic, investigative, and enriching manner. This course is designed to give students an understanding of how to communicate in the workforce, learn to make decisions, deal with conflict, and other management issues and current trends in the world of business. You will gain an understanding of how businesses use tools and structures to work together and operate.

GLOBAL BUSINESS

Grade Level: 10, 11, 12
Credits: 1 Credit
Prerequisite: Business Dynamics
Program of Study: Entrepreneurship and Business Management

This course introduces students to the dynamic world of international trade and global business. Students will explore topics such as cultural influences, international marketing, trade regulations, currency exchange, and global market strategies. They will learn about the challenges and opportunities that businesses face when operating on a global scale, while developing skills in communication, problem-solving, and critical thinking. By examining real-world case studies and participating in engaging projects, students will gain an understanding of the interconnected nature of the global marketplace, preparing them for careers in international business or further studies in economics and business.



ENTREPRENEURSHIP

Grade Level: 10, 11, 12
Credits: SHS: 1 Credit
Prerequisite: Recommended - Business Dynamics
Program of Study: Entrepreneurship and Business Management

This course will engage students in the exciting process of starting your own business. We will learn many of the aspects needed to begin a new business venture, including recognizing opportunity, finding your market, funding and operating a new business, and managing to maximize profitability. If you are willing to take on the challenge of running your own business, come learn the skills needed to turn your business dreams into a reality. If being your own boss is your goal, we can help give you the tools! This course is an intermediate course in the Entrepreneurship program of study within the Academy of Business and Entrepreneurship.

HOSPITALITY MANAGEMENT

Grade Level: 10, 11, 12
Credits: 1 Credit
Prerequisite: Business Dynamics or Culinary Arts 1
Program of Study: Hospitality and Restaurant Management

The Hospitality Management course will introduce students to the world's largest industry that includes: lodging, travel and tourism, recreation, amusements, attractions, resorts, event planning, and food beverage service. You will learn how geography, economics, and cultures affect this industry around the world. The course offers insights into the hospitality industry that will enhance the student's chances for gaining employment in hospitality and other service-related industries through authentic projects, collaboration with businesses and other student-based projects.

MARKETING

Grade Level: 10, 11, 12
Credits: 1 Credit
Prerequisite: Recommended - Business Dynamics
Program of Study: Marketing and Sales

What do Lululemon, Apple, Adidas and other top brands have in common? They are all able to maximize the success and profile of their business by generating excitement and hype around their products.

Whether developing a new energy drink or offering a promotion for the cell phone you cannot live without, marketing focuses on satisfying customer needs and wants while turning a profit. As we learn the “art of the sale,” students engage in the marketing and promotion of products and learn how to increase profits through the development of a 21st century advertising campaign. Students will use print, video, and online media resources to create promotional campaigns to demonstrate the core marketing principles of Product, Place, Price and Promotion. Students will explore how companies brand their products and services to compete in a global marketplace.

Advanced Courses

ADVANCED BUSINESS SEMINAR

Grade Level: 11, 12
Credits: 1 Credit
Prerequisite: Business Dynamics or Culinary Arts 1 AND one of the following: Accounting, Finance and Investments, Global Business, Management and Leadership, Entrepreneurship, Marketing, Hospitality Management, or Culinary Arts 2

Advanced Business Seminar students will work in collaborative teams to complete an authentic project for a community/business partner. Using project management skills, students will utilize skills and knowledge gained from introductory and intermediate classes to develop quality deliverables. In addition, students will hone their professional skills and create an executive portfolio for future use in school and career opportunities.



CULINARY ARTS 3

Grade Level: 10,11,12
Credits: 1 Credit
Prerequisite: Culinary Arts 2

This course is the third level of the ProStart® Program which is a three-semester industry-based program that prepares students for careers in the restaurant and foodservice industry. Students receive career-oriented instruction in both classic and modern culinary arts with an emphasis on the skills needed to succeed in the industry and postsecondary education. Hands-on experiences, skills-based competitions, event planning and collaboration with professionals will be the norm in order to practice and hone culinary skills.

Upon the completion of this course, optional certifications (such as Serv-Safe and National Prostart Certificate of Achievement) are available. Certifications may include additional fees, exams and completing up to 400 work hours in the foodservice industry.

INFOGRAPHIC KEY

Fine Arts Credit

CAPS Program

Concurrent Enrollment College Credit Opportunity

AP/PLTW College Credit Opportunity

Articulated College Credit Opportunity

Highlighted courses are offered in-person and online

SHAKOPEE CAPS BUSINESS ADMINISTRATION & MANAGEMENT INTERNSHIP

Grade Level: 11, 12
Credits/Length: SHS: 2 Credits/1 Term
College: 2 semester credits from Normandale Community College

Schedule: 3rd Quarter (Blocks 1 and 2 OR Blocks 3 and 4)
Location: Various internship locations in Shakopee area
Prerequisite: Shakopee CAPS Business Administration & Management
Eligibility: Acceptance into an internship will depend on the student's application and interview. Students are NOT guaranteed placement into an internship.

The Shakopee CAPS Business Administration & Management Internship will give students direct experience working in the dynamic field of business. Students will gain invaluable skills working alongside business and management professionals. A variety of internships are available; students will be able to pursue internships that most interest them. All students will apply and interview for these competitively placed positions. Through authentic work, students will learn first-hand the high expectations of the industry. Students who have participated in internships show a higher chance of completing college and with less debt. Come get a start on your future and develop your competitive edge.

SHAKOPEE CAPS BUSINESS ADMINISTRATION & MANAGEMENT

Grade Level: 11, 12
Credits/Length: SHS: 4 Credits/2 Terms
College: 6 semester credits from Normandale Community College

Schedule: 1st Semester only (Blocks 1 and 2)
Location: Valleyfair, Canterbury Park, SMSC
Prerequisite: Intermediate Course from a Business and Entrepreneurship Program of Study or Advanced Course in another Academy.
Eligibility: Entrance to CAPS is based on a completed application and course registration. All applications are due at the close of registration. Normandale Community College has a separate application once enrolled in CAPS . See your counselor for any questions regarding the application process. Please use the link below to view the application.

Application: bit.ly/CAPSapp25

Shakopee CAPS Business Administration & Management program provides a dynamic introduction to business with unparalleled access to Valleyfair, Canterbury Park, and the Shakopee Mdewakanton Sioux Community. Students will partner with leading experts from these regional business centers to learn the principles of business and management. The hands-on, project driven curriculum will include marketing, sales, hotel and restaurant management, event planning, human resources training and development, and leadership and management skills.



Elective Courses

BAKING & PASTRY 1

Grade Level: 10, 11, 12

Credits: SHS: 1 Credit

College: Students can meet the requirements for college credit in this course. Please see the instructor or your counselor for details.

Prerequisite: None

This course will take the skills you learned in previous culinary courses to a whole new level. You will explore various baking methods and learn techniques for making products like strawberry shortcake, pastry, pie, pretzels, pizza and cinnamon rolls. You will be immersed in several authentic learning projects throughout the course, producing products both in the school cafe and in restaurants of our industry partners. A significant portion of the course is devoted to developing cake decorating skills through projects such as Cupcake Wars & the Ultimate Cake competition. For those whose hearts are set on creating the sweeter things in life, Baking and Pastry is the class for you.

BUSINESS TECHNOLOGY

Grade Level: 9, 10, 11, 12

Credits: 1 Credit

Prerequisite: None

Business Technology will prepare students for jobs in today's technology-oriented business world. Students will bring their computer application skills to the next level using word processing programs, spreadsheets, charting applications, desktop publishing, and more. They will also learn the appropriate times to choose one platform over another. Students will be exposed to many other technology tools in order to create videos, podcasts, memes, comics, and infographics.

Students will work in collaborative groups and learn communication, human relation, and decision-making skills. They will perform office procedures and tasks while producing quality work with advanced features of business software applications. Skills learned in this course will be useful for students while furthering their education or working on a job.

BAKING & PASTRY 2

Grade Level: 10, 11, 12

Credits: SHS: 1 Credit

College: Students can meet the requirements for college credit in this course. Please see the instructor or your counselor for details.

Prerequisite: Baking & Pastry 1

This course provides students with an exciting opportunity to develop and master baking and pastry arts skills. Students will learn confectionary artistry in creating cakes, pastries, and chocolates; yielding visual masterpieces. You will experience making éclairs, tarts, cream puffs, cheesecakes, truffles, macarons and creme brulee. This course is designed for students planning to become a Pastry Chef and for culinarians, bakers, and others interested in working in the culinary industry who want to enhance their baking and pastry skills.

CULINARY ARTS 4

Grade Level: 10,11,12

Credits: 1 Credit

Prerequisite: Culinary Arts 3

Culinary Arts 4 is an advanced course designed for students who have completed prior culinary arts coursework and are looking to deepen their understanding of the culinary industry. This course focuses on the refinement of technical cooking skills, culinary creativity, and leadership within the kitchen. A key component of this course is the integration of business partnerships with local restaurants, catering companies, and food service establishments. These partnerships provide students with real-world experience through internships, apprenticeships, and mentorship programs. Students will have the opportunity to collaborate with industry professionals, and gain insights into entrepreneurship, food marketing, and restaurant management. By the end of the course, students will have developed their culinary skills and business knowledge, preparing them for careers in the culinary industry or further education in culinary arts.

Upon the completion of this course, optional certifications (such as Serv-Safe and National Prostart Certificate of Achievement) are available. Certifications may include additional fees, exams and completing up to 400 work hours in the foodservice industry.

SOCIAL MEDIA MARKETING

Grade Level: 10, 11, 12

Credits: 1 Credit

Prerequisite: Marketing

Do you love social media and digital communications? Did you know that social media management has become a sought-after skill in all industries? As of January 2018, there were thousands of job openings for social media and digital brand specialists.

Social Media Marketing focuses on these skills – the tools, strategies, and processes companies use to communicate digitally with customers. It also focuses on the skills needed to personalize one's own digital brand – which are valued by colleges and employers. By the end of the course, you will have demonstrated an understanding of how social media and digital communication play a role in a company's bottom line and have your own personal digital brand that will impress colleges, recruiters, and employers. Industry certification opportunities are available.

SPORTS & ENTERTAINMENT MARKETING

Grade Level: 10, 11, 12

Credits: 1 Credit

Prerequisite: None

This course is designed to provide students with the skills necessary to apply marketing concepts to the sports and entertainment industry. Students will have the opportunity to develop and design their own sports or entertainment franchise along with learning about marketing college, amateur, and professional sports; endorsements; and legal issues for sports and entertainment. This will include the entertainment and recreation industries as well. As these fields are explored, a variety of applications will be used, including word processing, spreadsheets with charts/graphs, database, drawing, Podcast recording, and telecommunications.

Engineering & Manufacturing Academy




Related Careers: Aircraft Mechanic, Aeronautic Engineer, Architect, Building Engineer, Civil Engineer, CNC Machinist, Computer Control Programmer/Operator, Design Electrical Engineer, Engineer, Electrician, Entrepreneur, HVAC Controller, Industrial Engineer, Machinists, Manufacturing Mechanical Engineer, Process Engineer, Packaging Engineer, Process Engineer, Robot Technician, Quality Engineer, Structural Engineer, Tool and Die Maker, Welder



The Lily Pad Project



NASA Visits Shakopee

MIDDLE SCHOOL	HIGH SCHOOL			
Area of Interest Courses (Grades 6-8)	Program of Study	Introductory Courses	Intermediate Courses	Advanced Courses
Area of Interest Gateway (Grade 7): Teen Engineer Middle School Electives (Grades 7 & 8): GTT: Architecture (PLTW) GTT: Design and Manufacturing (PLTW) GTT: Robotics (PLTW)	Architecture and Construction	Manufacturing and Construction	Construction Civil Engineering & Architecture (PLTW**)	Construction Management and Development
	Manufacturing and Fabrication Technologies		Welding and Metal Fabrication Manufacturing for Production	Manufacturing Design and Development
	Engineering and Design	Intro to Engineering Design (PLTW**)	Principles of Engineering (PLTW**)	Engineering Design & Development (PLTW**)
			Computer Integrated Manufacturing (PLTW**)	
			Aerospace Engineering (PLTW**)	
			Civil Engineering & Architecture (PLTW**)	
	Transportation Technologies	Small Gas Engines	Marine, Motorsport, and Outdoor Power Equipment	Super High Mileage Vehicle
	Additional Academy Elective Courses:	Advanced Welding – Design & Fabrication Advanced Woodworking – Cabinetry & Furniture Youth Skills Training		
	CAPS Program:	 Shakopee CAPS: STEM (Science & Technology Engineering & Manufacturing) (Can substitute for the Advanced Course in any Engineering & Manufacturing Program of Study)		

**Project Lead the Way © affiliated course | pltw.org

Mission Statement:

In the Academy of Engineering and Manufacturing all students will build life skills and develop innovative solutions to enhance their communities.

Academy Champion



Introductory Courses

INTRO TO ENGINEERING DESIGN (IED) - A & B (PLTW)

Grade Level: 9, 10, 11, 12
Credits: SHS: 2 Credits

College: Students can meet the requirements for college credit in this course. Please see the instructor or your counselor for details.

Prerequisite: None
Required Materials: 2 - 2” 3-ring binders
Program of Study: Engineering and Design

Introduction to Engineering Design (IED) is the starting point for students who are interested in becoming an engineer. See if you have what it takes to create the next great invention. In this class, you will learn how to efficiently design solutions to problems, create the solution on the computer and compete against other groups to see whose solution is the best. If you are looking at getting a head start on an engineering degree this class is a great opportunity, not only do you learn valuable skills but also the opportunity to earn 3 credits from St. Cloud State University. If students pass the course at 85% average for the year and the college final at 70% they are eligible for 3 college credits. This course also has weighted grades towards a student's GPA.

The online version of this class is NOT tied to the Project Lead the Way curriculum and therefore students will not have the opportunity to receive college credit.

MANUFACTURING AND CONSTRUCTION

Grade Level: 9, 10, 11, 12
Credits: 1 Credit
Prerequisite: None
Program of Study: Architecture and Construction, Manufacturing and Fabrication Technologies

Do you like making and creating things? Do you want to learn how to do hands-on work with tools? If so, Manufacturing and Construction is the course for you. In this course, you will learn how to safely design and build fun projects with a variety of different materials and tools. This is the introductory course for the Manufacturing and Fabrication program of study and a great choice for students who are interested in woodworking, welding, plastics, construction or skilled trades. Begin your path to learning about the high-demand, hands-on careers of the future.

SMALL GAS ENGINES

Grade Level: 9, 10, 11, 12
Credits: 1 Credit
Prerequisite: None
Program of Study: Transportation Technologies

Have you ever wondered how an engine works? Have you thought about a career in the automotive, marine or power sport industries? Small Gas Engines is a great way to explore career options while learning the principles of how a small gas engine works. In this class you will learn about the principles of two-cycle and four-cycle small gas engines, the tools that are used to work on them, and how to disassemble and reassemble a working engine. An engine will be provided for you.

Intermediate Courses

WELDING AND METAL FABRICATION

Grade Level: 10, 11, 12
Credits: 1 Credit
Prerequisite: Manufacturing and Construction

Did you enjoy Manufacturing and Construction? Can you see yourself working in the lucrative and high demand fields of Metalworking and Welding? If so, Welding and Metal Fabrication is the course for you! Welding and Metal Fabrication introduces students to careers in the welding and metalworking industries. Students will learn to safely operate welding and metalworking equipment while building a variety of projects.

MANUFACTURING FOR PRODUCTION (FORMERLY WOOD PRODUCTION TECHNOLOGIES)

Grade Level: 10, 11, 12
Credits: 1 Credit
Prerequisite: Manufacturing and Construction
Program of Study: Manufacturing and Fabrication Technologies


Come learn the skills and techniques of manufacturing and explore how manufacturers must plan and manage their resources in order to produce a product. In this course, through hands-on experiences, you will be introduced to a variety of hand and power tools as you design and build with wood, plastic, and metal. Students will also apply manufacturing principles through production technologies, including the CNC router, lathe, and the laser engraver. Through this course, you will learn the principles needed for the growing, hands-on fields of manufacturing and the skilled trades.

CONSTRUCTION


Grade Level: 10, 11, 12
Credits: 1 Credit
Prerequisite: Manufacturing and Construction
Program of Study: Architecture and Construction

Have you ever walked or driven by a new residential neighborhood, and asked yourself how these giant structures were being built? Construction 1 takes students through the basic steps needed for wood framed residential construction. Students will understand how carpenters and other trades people skillfully design, construct, install, and repair structures to comply with existing codes. Students will also read blueprints and specifications pertaining to standards and materials used in residential construction. Finally, students will form a small business, which will allow them opportunities to run a company from ordering to delivery, work with a client, and provide new construction to the community.


INFOGRAPHIC KEY




Fine Arts Credit




CAPS Program



Concurrent Enrollment College Credit Opportunity



AP/PLTW College Credit Opportunity



Articulated College Credit Opportunity

Highlighted courses are offered in-person and online

MARINE, MOTORSPORT, & OUTDOOR POWER EQUIPMENT

Grade Level: 10, 11, 12
Credits: 1 Credit
Prerequisite: Small Gas Engines
Program of Study: Transportation Technologies

Marine, Motorsports, & Power Equipment focuses on transportation related systems apart from the internal combustion engine. The course covers: cooling and lubrication, basic electrical theory and troubleshooting, exhaust systems, brakes, wheels, tires, power transmission, steering, and suspension systems. It is meant to be a course that generally covers how most automotive & marine systems operate with a nod to engineering design as preparation for the following course in sequence: Super High Mile Vehicle. The course includes one or multiple hands-on projects. Current project is the restoration of a 1966 Ford Mustang, a project that is expected to last at least through the 2025-26 academic year.

PRINCIPLES OF ENGINEERING (POE) - A & B (PLTW)

Grade Level: 10, 11, 12
Credits: SHS: 2 Credits
College: Students can meet the requirements for college credit in this course. Please see the instructor or your counselor for details.

Prerequisite: Recommended - Intro to Engineering Design (IED)
Program of Study: Engineering and Design

Principles of Engineering (POE) is a course designed to take you further into the world of engineering by challenging your mind and building skills. Although not required, it is recommended that Introduction to Engineering (IED) is taken prior to this class, it helps to build a foundation to 3-D modeling, the design process, and many types of engineering terms and best practices. This hands-on course has students working on a variety of engineering projects including work with simple machines, bridge design, computer programming, statistical analysis, and robotics. Students are exposed to several engineering fields such as industrial design, civil engineering, and mechanical engineering. The activities in class are designed to have students work in groups and use modern technology to develop solutions for engineering problems. If students pass the course at 85% average for the year and the college final at 70% they are eligible for 3 college credits. This course also has weighted grades towards a student's GPA.

AEROSPACE ENGINEERING (AE) – A & B (PLTW)

Grade Level: 10, 11, 12
Credits: SHS: 2 Credits
College: Students can meet the requirements for college credit in this course. Please see the instructor or your counselor for details.
Prerequisite: Recommended - Intro to Engineering Design (IED)
NCAA Core Course

Aerospace Engineering propels students’ learning in the fundamentals of atmospheric and space flight. As they explore the physics of flight, students bring the concepts to life by designing an airfoil, propulsion system, and rockets. They learn basic orbital mechanics using industry-standard software and explore robot systems through projects such as remotely operated vehicles. If students pass the course at 85% average for the year and the college final at 70% they are eligible for 3 college credits. This course also has weighted grades towards a student's GPA.

CIVIL ENGINEERING & ARCHITECTURE (CEA) - A & B (PLTW)

Grade Level: 10, 11, 12
Credits: SHS: 2 Credits
College: Students can meet the requirements for college credit in this course. Please see the instructor or your counselor for details.
Prerequisite: Manufacturing and Construction or Intro to Engineering Design (IED)
Program of Study: Architecture and Construction

Civil Engineering and Architecture (CEA) is the study of the design and construction of residential and commercial building projects. The course includes an introduction to many of the varied factors involved in building design and construction including building components and systems, structural design, stormwater management, site design, utilities and services, cost estimation, energy efficiency, and careers in the design and construction industry. Students will also get the opportunity to construct various models of structures using the 3-D Printer, and Laser Engraver. This course is completed with a capstone experience in which students work in a real-world situation, along with help of professionals from the industry to come up with a solution that they then present to a team of engineers. If students pass the course at 85% average for the year and the college final at 70% they are eligible for 3 college credits. This course also has weighted grades towards a student's GPA.

COMPUTER INTEGRATED MANUFACTURING (CIM) - A & B (PLTW)

Grade Level: 10, 11, 12
Credits: SHS: 2 Credits
College: Students can meet the requirements for college credit in this course. Please see the instructor or your counselor for details.
Prerequisite: Recommended - Intro to Engineering Design (IED)

We are surrounded by products that have been designed and manufactured by people. Any product that is mass produced needs some help from robots, computer-controlled machinery, and the people that run, build, and program these machines. In Computer Integrated Manufacturing (CIM) you will get hands-on experience with using cutting edge manufacturing technology. You will achieve these skills: designing products in Autodesk Inventor that will be manufactured in our own lab, creating programs that machines and robots use to manufacture products, designing and building the machines used in manufacturing, and creating a flexible manufacturing system. If students pass the course at 85% average for the year and the college final at 70%, they are eligible for 3 college credits. This course also has weighted grades towards a student's GPA.

Advanced Courses

ENGINEERING DESIGN AND DEVELOPMENT (EDD) - A & B (PLTW)



Grade Level: 11, 12

Credits: SHS: 2 Credits

College: Students can meet the requirements for college credit in this course. Please see the instructor or your counselor for details.

Prerequisite: Intro to Engineering Design AND one of the following: Principles of Engineering, Computer Integrated Manufacturing, Aerospace Engineering, or Civil Engineering and Architecture

Program of Study: Engineering and Design

“Don’t you hate it when…” is a common statement made by people who are constantly thinking of ways to improve products or situations. Engineering Design and Development (EDD) is the course that allows you to design a solution to a technical problem of your choosing. Now is your chance to eliminate one of the “Don’t you hate it when…” statements of the world.

This course is an engineering course in which you will work in teams to research, design, and construct a solution to an open-ended engineering problem. You and your team will present and defend your solution to a panel of outside reviewers at the end of the semester.

Engineering Design and Development serves as the capstone course within the Project Lead The Way course sequence and allows you to apply all the skills and knowledge learned in the previous Project Lead The Way courses that you have taken, a minimum of two, during your high school career. This course will test your time management and team-work skills. Throughout this course you will find yourself working side by side with industry mentors and stakeholders to complete a prototype of a solution that your team has researched, designed, and created. This course offers the most real-world experience you can receive at a professional level. What a great thing to include on a resume or college application! *If students pass the course at 85% average for the year and the college final at 70% they are eligible for 3 college credits. This course also has weighted grades towards a student's GPA.*

The online version of this class is NOT tied to the Project Lead the Way curriculum and therefore students will not have the opportunity to receive college credit.

SUPER HIGH MILEAGE VEHICLE



Grade Level: 11, 12

Credits: 1 Credit

Prerequisite: Marine, Motorsport, and Outdoor Power Equipment

Program of Study: Transportation Technologies

Would you like to attempt to break the world record for the highest fuel efficiency vehicle? This class follows the design, fabrication, and troubleshooting process to construct a fuel-efficient vehicle utilizing small engine power with the aid of community expert partnerships. Our class will then use this vehicle to compete with other schools throughout the state and the nation. If you are interested in engineering and the automotive field, this is a great class to combine technical and creative skills while you build your own race car.

CONSTRUCTION MANAGEMENT AND DEVELOPMENT – A & B



Grade Level: 11, 12

Credits: 2 Credits

Prerequisite: Construction or Civil Engineering & Architecture

Program of Study: Construction and Architecture

Construction Management and Development is the capstone course for the Architecture and Construction program of study in which students will be involved in a variety of construction related aspects. Students who take this course will see the entire building process for multiple construction projects. They will learn management skills such as: record keeping, job-site management, use of subcontractors and scheduling. Students' will learn soft skills for managing people through communication, critical thinking, collaboration, and character. Specific computer software programs will be used for construction project scheduling that will allow students to obtain industry standard experiences. Finally, students will work on projects with business and industry professionals in order to gain real-world experience that is transferable to any of the construction related industries.



MANUFACTURING DESIGN AND DEVELOPMENT

Grade Level: 11, 12

Credits: 1 Credit

Prerequisite: Welding and Metal Fabrication or Wood Production Technologies

Program of Study: Manufacturing and Fabrication Technologies

Manufacturing Design & Development is the capstone course for the Manufacturing and Fabrication Technologies program of study in which students will experience the manufacturing process and the life cycle of a product from concept to completion. Working with business and industry professionals, students will gain real world experience designing, managing, and fabricating a product to fulfill a customer's request. Students will learn management skills such as: record keeping, facility management, material acquisition and scheduling. Students will learn soft skills for managing people through communication, critical thinking, collaboration, and character. Students will gain real world experiences that are transferable to any manufacturing industry.

SHAKOPEE CAPS STEM (S&T + E&M)



Grade Level: 11, 12

Credits/Length: SHS: 4 Credits/2 Terms

College: 3 semester credits from St. Cloud State University

Schedule: 1st Semester (Blocks 1 and 2)

Location: Bayer and Shakopee High School

Prerequisite: Intermediate Course in an Engineering & Manufacturing OR Science & Technology Program of Study OR Advanced Course in another Academy.

Eligibility: Entrance to CAPS is based on a completed application and course registration. All applications are due at the close of registration. St. Cloud State University has a separate application once enrolled in CAPS . See your counselor for any questions regarding the application process. Please use the link below or scan the QR code to view the application.



Application: bit.ly/CAPSapp25

Shakopee CAPS: STEM program fully immerses students at Bayer in Shakopee providing unprecedented access to real-world experiences in the dynamic fields of Science & Technology AND Engineering & Manufacturing. Partnering with experienced professionals, students will advance their understanding of engineering and discrete manufacturing, design process thinking, project management, software, hardware, and technology applications, as well as explore the many career opportunities in these high demand industries. Students will be able to see the evolution of their projects from inception to completion with the evolution of the course.

Shakopee CAPS requires students to be active, independent learners and fosters empowerment, self-discovery, collaboration, and critical thinking skills. Students will engage in a variety of opportunities including case studies, problem and project-based learning, and on and off-site shadowing experiences.

SHAKOPEE CAPS STEM (S&T + E&M) INTERNSHIP



Grade Level: 11, 12

Credits/Length: SHS: 2 Credits/1 Quarter

Schedule: 3rd Quarter (Blocks 1 and 2)

Location: Various internship locations in Shakopee area

Prerequisite: CAPS Engineering & Manufacturing

The Shakopee CAPS STEM (Science & Technology and Engineering & Manufacturing) Internship will give students direct experience working in the field. Students will gain invaluable professional skills working alongside Engineering and Manufacturing professionals. A variety of internships are available; students will be able to pursue internships that most interest them. All students will apply and interview for these competitively placed positions. Students will work directly with professionals and clients through a series of shadowing and project-based experiences. Students who have participated in internships show a higher chance of completing college and with less debt. Come get a start on your future and develop your competitive edge.

Academy Elective Courses

ADVANCED WELDING – DESIGN & FABRICATION

Grade Level: 10, 11, 12

Credits: 1 Credit

Prerequisite: Welding and Metal Fabrication (Formerly Welding 1)

Did you like Welding and Metal Fabrication? In Advanced Welding, students will expand upon the skills and concepts acquired in Welding and Metal Fabrication; and explore other areas of metalworking such as casting, forging, and machining. In this course students will be asked to design and manufacture a project of their choice.

ADVANCED WOODWORKING – CABINETRY AND FURNITURE

Grade Level: 10, 11, 12

Credits: 1 Credit

Prerequisite: Manufacturing for Production/Wood Production Technologies

This is a very advanced course in the art of furniture and cabinetmaking. In this course students will learn advanced woodworking skills such as wood bending and turning, advanced joinery and finishing techniques. Students will be exposed to modern wood production techniques while designing, developing, and managing a project of their choice. This class is one that will challenge your skills!

YOUTH SKILLS TRAINING

Grade Level: 11, 12

Credits: 1 Credit

Prerequisite: Advanced Course in Engineering and Manufacturing, Health Science, Science & Technology OR Advanced Welding - Design and Fabrication

The Youth Skills Training (YST) program encourages, promotes and supports the development of local partnerships between schools, employers and community organizations. These local partnerships provide students with related classroom instruction, safety training, industry-recognized credentials and **paid** work experience in high-growth and high-demand occupations in the industries of **advanced manufacturing, agriculture, automotive, health care and information technology**. Successful applicants will demonstrate the ability to achieve these objectives through various means including outreach, education, training and supportive services for students.

*Registered students will be eligible to be placed with an employer offering a Youth Skills Training Experience in an eligible Youth Skills Training Industry. However, **enrollment is only guaranteed once an employer partnership is approved in the student area of interest.***

Health Science Academy




Related Careers: Medical Appliance Technician, Medical and Clinical Lab Technologist, Surgical Technologist, Medical Imaging Technologist, Biomedical Engineer, Forensic Science Technician, Dietic Technician, Dietician and Nutritionist, Community Health Worker, Massage Therapist, Fitness Trainer and Aerobics Instructor, Athletic Trainer, Recreational Therapist, Physical Therapist, Occupational Therapist, Massage Therapist, Exercise Physiologist, Pharmacy Technician, Medical Assistant, Healthcare Social Worker, Physician, Physician Assistant, Licensed and Practical Nurse, Respiratory Therapist, Dentistry, Ophthalmology, Surgical and Medical Technician, Chiropractor



Students
Supporting Students



CAPS Program
Spotlight

MIDDLE SCHOOL	HIGH SCHOOL			
Area of Interest Courses (Grades 6-8)	Program of Study	Introductory Courses	Intermediate Courses	Advanced Courses
Area of Interest Gateway (Grade 7): Snack Attack Middle School Electives (Grades 7 & 8): GTT: Medical Detectives (PLTW) 2 Fit 2 Quit Code Red	Biomedical	Human Body Systems	Principles of Biomedical Science (PLTW**)	Medical Interventions (PLTW**)
	Healthcare		Principles of Biomedical Science (PLTW**) Healthcare Simulation	Nursing Assistant Emergency Medical Responder
	Public Health		Healthcare Simulation Global Health and Disease Prevention	Community Health
	Exercise Science		Human Movement Sciences	Sports Medicine Emergency Medical Responder
	Additional Academy Elective Courses:	CIS: Human Physiology, Technology, and Medical Devices Youth Skills Training Nutrition for the Human Body		
	CAPS Program:	 Shakopee CAPS: Healthcare and Medicine (Can substitute for the Advanced Course in any Health Science Program of Study)		

**Project Lead the Way © affiliated course | pltw.org



Mission Statement:

The Health Science Academy will empower all students to serve their community through improving health/wellness, while also becoming innovative and compassionate leaders.

Introductory Course

HUMAN BODY SYSTEMS

Grade Level: 9, 10, 11, 12
Credits: 1 Credit
Prerequisite: None
Program of Study: Biomedical, Public Health, Exercise Science, Healthcare
NCAA Core Course

Students examine the interactions of human body systems as they explore human anatomy and physiology associated with biomedical sciences, healthcare, public health and exercise science. Students build organs and tissues on a skeletal Manikin®; monitor body functions such as muscle movement, muscle strength, heart rate, blood pressure, and respiration. Human anatomy studies will include dissections on a variety of lab specimens.

Intermediate Courses

HUMAN MOVEMENT SCIENCES

Grade Level: 10, 11, 12
Credits: 1 Credit
Prerequisite: Human Body Systems
Program of Study: Exercise Science

Human Movement Sciences is a movement-based course that explores the mechanical principles that govern human motion. Dive into the study of anatomy, strength training and conditioning, and kinematic forces that influence or impede human motion. Learn about common athletic injuries and how to prevent them, while creating training programs to improve muscular strength and health. Improve performance potentials of those in sport, physical fitness training, public safety, and the military elite. This course is the intermediate course in the Exercise Science program of study within the Academy of Health Science.

GLOBAL HEALTH & DISEASE PREVENTION

Grade Level: 10, 11, 12
Credits: 1 Credit
Prerequisite: Human Body Systems
Program of Study: Public Health
NCAA Core Course

Disease knows no border. In today’s interconnected world, diseases can spread from an isolated, rural village to any other major city in as little as 36 hours. We cannot protect our borders unless we address disease elsewhere in the world. The purpose of this course is to develop the knowledge and understanding of the causes, symptoms, and methods of controlling and preventing chronic and infectious diseases. Prevention and treatment strategies will be identified. Emphasis will be placed on the factors that promote and hinder well-being. This course is the intermediate course in the Public Health program of study.

HEALTHCARE SIMULATION

Grade Level: 10, 11, 12
Credits: 1 Credit
Prerequisite: Human Body Systems
Program of Study: Healthcare

Healthcare Simulation will be a collaborative intermediate course in the Healthcare pathway. Students will immerse themselves into real world scenarios with the high-fidelity manikins and a team of healthcare workers (physicians, registered nurses, EMT, paramedics) culminating in a project focused on patient experience. This will provide students the opportunity to explore healthcare careers, understand the importance of patient experience, practice behaviors to succeed in the health care setting and apply communication skills that will support clients’ diverse needs.

PRINCIPLES OF BIOMEDICAL SCIENCE (PBS) – A & B (PLTW)

Grade Level: 10, 11, 12
Credits: SHS: 2 Credits
College: Students can meet the requirements for college credit in this course. Please see the instructor or your counselor for details.
Prerequisite: Human Body Systems
Program of Study: Biomedical, Healthcare
NCAA Core Course

Principles of Biomedical Science (PBS) is an intermediate course that serves to provide foundational knowledge and skills in fields such as forensics, biology, anatomy & physiology, genetics, microbiology, and epidemiology as well as engage students in how this content can be applied to real-world situations, cases, and problems. Students will analyze evidence found at a crime scene and uncover clues left on the body to solve a mystery. They will question, diagnose, and propose treatment and care for patients in a family medical practice. Faced with a mysterious outbreak at a local hospital they will work to track down the source. During an emergency, they will stabilize a patient and prepare for medical surge and mobile medical care. Finally, they will collaborate with professionals in other fields to innovate and design solutions to local and global medical problems.

Through both individual and collaborative team activities, projects, and problems, students will tackle real-world challenges faced by biomedical professionals in the field. They will work with the same tools and equipment used in hospitals and labs as they engage in relevant hands-on work. Students will explore how connections to other disciplines such as computer science and engineering shape the future of medicine and practice collaboration techniques that will help them connect with professionals across any field.



Advanced Courses

MEDICAL INTERVENTIONS (MI) - A & B (PLTW)

Grade Level: 11, 12

Credits: SHS: 2 Credits

College: Students can meet the requirements for college credit in this course. Please see the instructor or your counselor for details.

Prerequisite: Principles of Biomedical Science (PLTW)

Program of Study: Biomedical

NCAA Core Course

Medical Interventions (MI) allows students to investigate the variety of interventions involved in the prevention, diagnosis, and treatment of disease as they follow the lives of a fictitious family. A “How-To” Manual for maintaining overall health and homeostasis in the body, the course will explore how to prevent and fight infection, how to screen and evaluate the code in our DNA, how to prevent, diagnose, and treat cancer, and how to prevail when the organs of the body begin to fail. Through these scenarios, students will be exposed to a wide range of interventions related to immunology, surgery, genetics, gene therapy, pharmacology, medical devices, and diagnostics. Each case scenario will introduce multiple types of interventions. Interventions may range from simple diagnostic tests to treatment of complex diseases and disorders. This course has frequent collaborative, hands-on laboratory activities

SPORTS MEDICINE

Grade Level: 11, 12

Credits: 1 Credit

Prerequisite: Human Movement Sciences

Program of Study: Exercise Science

Sports Medicine is the advanced course for the Exercise Science program of study in the Health Science Academy. This course will provide students with experiential learning opportunities in athletic training, physical therapy, and other associated sports medicine disciplines. It will include an introduction to the sports medicine scope of practice: injury prevention and proactive care, emergency injury management, treatment and diagnosis, rehabilitation, and administrative protocols.

We encourage students to complete the Emergency Medical Responder (EMR) intermediate course in conjunction with the Human Movement Science prerequisite. This pairing will better prepare students for the real-life application of skills for a sports medicine professional.



EMERGENCY MEDICAL RESPONDER - A & B (HLTH 2209)

Grade Level: 11, 12

Credits: SHS: 2 Credits

College: 3 Semester Credits from Normandale Community College

Prerequisite: Healthcare Simulation, Principles of Biomedical Science (PLTW), Human Movement Sciences, Law and Legal Services

Program of Study: Healthcare

This course is designed to meet the needs of anyone who wishes to go beyond the basic level of First Aid training (law enforcement, firefighters, paramedics, rescue squads, athletic trainers, chiropractors, college students). The First Responders course will help students develop emergency medical skills and knowledge that will enable them to assist people who have sustained an accidental injury, are suffering from sudden illness, or are experiencing a medical problem. This includes basic life support assessment and management techniques for patients experiencing airway, breathing, and circulatory emergencies. Upon completion of the course, the student will be certified/recertified in CPR, First Aid, and AED and registered as an Emergency Medical Responder by the MN Emergency Medical Services Regulatory Board. The student will also be eligible to take the National Registry’s First Responder exam and enroll in the Emergency Medical Technician Basic course.



NURSING ASSISTANT/HOME HEALTH AIDE – A & B (NURS 1060)

Grade Level: 11, 12

Credits: SHS: 2 Credits

College: 4 semester credits from Normandale Community College

Eligibility: Normandale Community College Eligibility Requirements

Prerequisite: Healthcare Simulation, Principles of Biomedical Science (PLTW)

Program of Study: Healthcare

The Nursing Assistant/Home Health Aide Certificate course prepares the students to provide physical nursing care to individuals in long term care facilities, hospitals, and client’s own homes. Students learn how to measure vital signs, assist individuals with physical needs such as personal hygiene, elimination, mobility, exercise and nutrition. Students will also obtain information on emotional, spiritual, psychosocial needs and behavior management for persons with dementia. In addition, students will complete 24 hours of clinical care in a long-term care facility to gain hands-on experience. Students successfully completing this course are eligible to take the Headmaster Nursing Assistant Competency Test. After passing this test students can be placed on the Minnesota Department of Health Nursing Assistant/Home Health Aide Registry.



COMMUNITY HEALTH

Grade Level: 11, 12

Credits: 1 Credit

Prerequisite: Global Health & Disease Prevention, Healthcare Simulation, or Community Leadership and Service

Program of Study: Public Health

Students will apply their skills and knowledge of public health to their own communities—in the city of Shakopee, Scott County, or at SHS. Students will assess health issues and hazards; develop policies; inform, educate, and empower people about health issues; and evaluate the effectiveness of their solutions. Students will work with community partners to identify a local problem, develop a solution, and implement the solution that promotes and increases awareness of various public health issues. In partnership with our community, students will enhance their professional skills in preparation for a career in community health.

SHAKOPEE CAPS HEALTHCARE & MEDICINE

Grade Level: 11, 12

Credits/Length: SHS: 4 Credits/2 Terms

College: 6 semester credits from Normandale Community College

Schedule: 1st Semester (Blocks 1 and 2 OR Blocks 3 and 4)

Location: St. Francis Regional Medical Center

Prerequisite: Intermediate Course in a Health Science Program of Study or Advanced Course in another Academy

Eligibility: Entrance to CAPS is based on a completed application and course registration. All applications are due at the close of registration. Normandale Community College has a separate application once enrolled in CAPS . See your counselor for any questions regarding the application process. Please use the link below to view the application.

Application: bit.ly/CAPSapp25

Shakopee CAPS Healthcare and Medicine program fully immerses students in St. Francis Regional Medical Center providing unprecedented access to real world experiences in the dynamic field of healthcare and medicine. Partnering with experienced medical professionals, students will advance their understanding of healthcare systems, communications, legal issues, medical terminology, patient care, professionalism, ethics, and explore many career opportunities in healthcare.

Shakopee CAPS requires students to be active, independent learners and fosters empowerment, self-discovery, collaboration, and critical thinking skills. Students will engage in a variety of opportunities including case studies, problem and project-based learning, and on and off-site shadowing experiences.



SHAKOPEE CAPS HEALTHCARE & MEDICINE INTERNSHIP

Grade Level: 11, 12

Credits/Length: SHS: 2 Credits/1 Quarter

College: 2 semester credits may be available from Normandale Community College

Schedule: 3rd Quarter (Blocks 1 and 2 OR Blocks 3 and 4)

Location: Various internship locations in Shakopee area

Prerequisite: Shakopee CAPS Healthcare & Medicine – Semester 1

Eligibility: Acceptance into an internship will depend on the student's application and interview. Students are NOT guaranteed placement into an internship.

The Shakopee CAPS Healthcare & Medicine Internship will give students direct experience working in the healthcare field. Students will gain invaluable professional skills working alongside healthcare professionals. A variety of internships are available; students will be able to pursue internships that most interest them. All students will apply and interview for these competitively placed positions. Students will work directly with healthcare professionals and clients through a series of shadowing and project-based experiences. Students who have participated in internships show a higher chance of completing college and with less debt. Come get a start on your future and develop your competitive edge.



Introductory Courses

CRIMINAL JUSTICE & THE COURT

Grade Level: 9, 10, 11, 12
Credits: 1 Credit
Prerequisite: None
Program of Study: Law and Legal Services
NCAA Core Course

Criminal Justice and the Court is a descriptive overview of the criminal justice system designed to familiarize students with the functions, structure, and organization of the people and agencies involved. Specifically, the course shows students how the criminal justice system initially responds to the crime, the processes and procedures that follow, and how violations of the law are ultimately resolved through a hands-on learning experience.

HUMAN RELATIONS

Grade Level: 9, 10, 11, 12
Credits: 1 Credit
Prerequisite: None
Program of Study: Teaching and Educational Services, Social and Mental Health Services, Public Service

A growing expectation for today’s young adults entering the workforce, is the ability to work effectively in a diverse environment. This course is designed to help students understand themselves, core beliefs, values, and personal ethics. Students are provided the opportunity to achieve a deepened sense of awareness of not only themselves, but others. This understanding is applied to human relations at home, school, work, and within the community. The topics covered include the impact of personal and organizational values, self-awareness, cultural awareness, conflict resolution, diversity, stress management, and effective leadership skills.

INTRO TO HUMAN DEVELOPMENT

Grade Level: 9, 10, 11, 12
Credits: 1 Credit
Prerequisite: None
Program of Study: Teaching and Educational Services, Social and Mental Health Services

This course will provide you with the background knowledge to work in career fields that focus around helping others. Students will discuss the social, emotional, physical, and cognitive developmental changes that occur from birth to the end of life. The stages of development and milestones covered in this class include pregnancy, birth, infancy, childhood, adolescence, adulthood and later years of life. Students will have opportunities to experience the various stages of development through authentic learning. For example, you can choose to wear an empathy belly (prenatal unit) and/or take the RealCare Baby home for the weekend (infancy unit) as well as many other project-based opportunities.

Intermediate Courses

A CASE FOR JUSTICE

Grade Level: 10, 11, 12
Credits: 1 Credit
Prerequisite: Criminal Justice and the Court
Program of Study: Law and Legal Services
NCAA Core Course

Imagine you are the first responder to a drunk driving accident or the judge presiding over a murder trial from your hometown. In A Case for Justice, you will be following situations like these by participating in all aspects of the Criminal Justice process. In the class, you will be immersed in an interactive case where you will analyze all angles of law enforcement, the courts and corrections.

EXPLORING EDUCATION – A & B

Grade Level: 10, 11, 12
Credits: SHS: 2 Credits
Prerequisite: Intro to Human Development or Human Relations
Program of Study: Teaching and Educational Services


Students in this course will interact with students of all ages by having authentic learning experiences alongside teachers in our schools. This course is relevant for anyone considering a career in education. You will learn about yourself as a learner, different educational philosophies and instructional methods, & trends and issues within the field. Upon successful completion of this course, you will earn 4 credits from Normandale Community College.

GENERATION NOW


Grade Level: 10, 11, 12
Credits: 1 Credit
Prerequisite: Human Relations
Program of Study: Public Service

There is no shortage of issues which young adults are confronting in the twenty-first century. Generation Now will focus on local challenges facing our community, put forth by our local business and community partners, while offering an opportunity to propose solutions and learn techniques for solving problems. Students will collaborate with each other, teachers and partners to select potential projects, ask thoughtful questions, identify, investigate and solve challenges. Students will partner with city and county officials—and, where appropriate, other community stakeholders such as local businesses, nonprofit organizations, and local residents—to develop their projects.


INFOGRAPHIC KEY




Fine Arts
Credit




CAPS
Program



Concurrent
Enrollment
College Credit
Opportunity



AP/PLTW
College Credit
Opportunity



Articulated
College Credit
Opportunity

Highlighted courses are offered in-person and online



POSITIVE PSYCHOLOGY: BUILDING PEOPLE AND COMMUNITY

Grade Level: 10, 11, 12
Credits: 1 Credit
Prerequisite: Human Relations or Intro to Human Development
Program of Study: Social and Mental Health Services
NCAA Core Course

Have you ever wondered what the secrets of happiness are? Are you looking for ways to increase your own levels of happiness, and impact the community around you? Positive psychology encompasses the study of positive experiences, positive character strengths, healthy relationships, and best practices that facilitate essential skill development. These sets of skills will help strengthen individuals and enable communities to thrive.

Advanced Courses

MULTICULTURAL EDUCATION – A & B

Grade Level: 11, 12
Credits: SHS: 2 Credits
Prerequisite: Exploring Education
Program of Study: Teaching and Educational Services

Multicultural Education introduces students to the background and approaches to multicultural education including issues related to student, family, and community diversity based on culture, language, race, class, gender, sexual identity, and disability. Students will explore the hierarchy of education with regards to privilege, equity and access to high-quality education. This course builds on the concepts and strategies of Exploring Education and is the advanced course within the Teaching and Educational Services program of study. Field experience hours are part of the course requirement.

COMMUNITY LEADERSHIP AND SERVICE

Grade Level: 11, 12
Credits: 1 Credit
Prerequisite: Positive Psychology, Generation Now, or Community Health
Program of Study: Social and Mental Health Services, Public Service

Community Leadership and Service is a 9-week advanced course in the Human Services Academy Social and Mental Health or Public Service programs of study. Students enrolled in the course have completed the intermediate level Generation Now or Positive Psychology courses. Are you interested in social work, counseling, or leadership in our community? Community Leadership and Service will offer immersion and project experiences for students interested in social and mental health or advocating for positive change in our community. This course will allow students to focus on a field/career of choice, develop an understanding of what it takes to be a professional in this field, and be immersed in a field experience or project with a nonprofit or community partner.

Advanced Courses – Continued

LAW AND LEGAL SERVICES

Grade Level: 11, 12
Credits: 1 Credit
Prerequisite: A Case for Justice
Program of Study: Law and Legal Services
NCAA Core Course

Are you interested in shadowing a city police officer, working with an attorney that is preparing for trial or taking part in a pre-sentence investigation with a probation officer? Law and Legal Services will offer immersion and project experiences for students interested in the criminal justice system. This course will allow students to focus on a field/career of choice, develop an understanding of what it takes to be a professional in this field, and be immersed in a field experience or project with a business or community partner.

SHAKOPEE CAPS HUMAN SERVICES

Grade Level: 11, 12
Credits/Length: SHS: 4 Credits/2 Terms
College: 2 semester credits available through St. Cloud State

Schedule: 1st Semester (Blocks 3 and 4)
Location: Scott County Government Center and City of Shakopee

Prerequisite: Intermediate Course in a Human Services Program of Study or Advanced Course in another Academy
Eligibility: Entrance to CAPS is based on a completed application and course registration. All applications are due at the close of registration. Any Postsecondary Institution aligned with the course will have a separate application once enrolled in CAPS. See your counselor for any questions regarding the application process. Please use the link below to view the application.

Application: bit.ly/CAPSapp25

The Shakopee CAPS Human Services program allows students to gain a deeper understanding of careers in Public Service Leadership, Law and Legal Services, Mental Health, and Social Services. Partnering with professionals at City of Shakopee and Scott County, students will gain access to experiences in each of these fields. Shakopee CAPS requires students to be active, independent, learners and fosters empowerment, self-discovery, collaboration, and critical thinking skills. Students will engage in a variety of opportunities including case studies, problem and project based learning, and off-site shadowing experiences.



Advanced Courses-continued

SHAKOPEE CAPS HUMAN SERVICES INTERNSHIP
Grade Level: 11, 12
Credits: 2 Credits/1 Term
Schedule: 3rd Quarter (Blocks 3 and 4)
Locations: Various internship locations in Shakopee area
Prerequisite: Shakopee CAPS Human Services – Semester 1
Program of Study: Acceptance into an internship will depend on the student's application and interview. Students are NOT guaranteed placement into an internship.

The Shakopee CAPS Human Services Internship will give students direct experience working in the Human Services field. Students will gain invaluable professional skills working alongside professionals. A variety of internships are available; students will be able to pursue internships that most interest them. All students will apply and interview for these competitively placed positions. Students will work directly with professionals and clients through a series of shadowing and project-based experiences. Students who have participated in internships show a higher chance of completing college and with less debt. Come get a start on your future and develop your competitive edge.



Academy Elective Courses

ADVANCED CHILD DEVELOPMENT
Grade Level: 10, 11, 12
Credits: SHS: 1 Credit
Prerequisite: Introduction to Human Development

This course will explore the various stages of development children go through from ages birth to five. During this course, students will interact with young children by having authentic learning experiences through partnerships with local schools and the community. Students will discuss a variety of child development theories and how it affects a child physically, emotionally, cognitively and socially. This course is relevant for anyone wishing to work with children in the future.


SOCIOLOGY OF THE FAMILY
Grade Level: 10, 11, 12
Credits: SHS: 1 Credit, College Credit for 11th & 12th Grade Only
Prerequisite: None

Families are the basic unit of society; and each of us is a part of one. In this course, we will investigate ethnic family patterns, adult roles in society, interpersonal relationships, conflict resolution, and sibling relationships. Students will also explore a variety of crises that occur within the family such as domestic violence, divorce, addiction and death/grief. There will be several industry experts sharing their experiences with students giving them a better understanding about careers in the human services field. This is a perfect class for anyone who is interested in understanding family dynamics in today's society.

Science & Technology Academy



Related Careers: Electrician, Electrical Engineer, Electronics Technician, Electrical Power-Line Installers and Repairers, Power Plant Technician and Operator, Electrical Systems Designer and Drafter, Network and Computer Systems Administrators, Computer Network Architects, Computer Hardware Engineer, Computer Hardware Technician and Repairer, Computer Research Scientist, Software Developer, Computer Systems Analyst, Computer and Information Systems, Computer Programmers, Information Security Analysts, Database Administrators, Natural Sciences Managers, Environmental Engineer, Green Technology and Alternative Energy Designer, Geoscientist & Conservation Scientists, Mining and Geological Engineer

MIDDLE SCHOOL	HIGH SCHOOL			
Area of Interest Courses (Grades 6-8)	Program of Study	Introductory Courses	Intermediate Courses	Advanced Courses
Area of Interest Gateway (Grade 6): Programming is Electric Middle School Electives (Grades 7 & 8): Energy and Flight App Creations	Computer Science	Computer Hardware and Software	AP Computer Science Principles (PLTW**)	Technological Innovations
	Information Technology Solutions		Cyber Security Robotic Process Automation	
	Renewable Energy and Electrical Systems	Electricity	Energy and Power Generation	Environmental Solutions
	Environmental Science	Energy, Food, and The Outdoors	AP Environmental Science Environmental Ethics Ecology	
	Additional Academy Elective Courses:	Mobile App Development Web Development Youth Skills Training		
	CAPS Program:	 Shakopee CAPS: STEM (Science & Technology Engineering & Manufacturing) (Can substitute for the Advanced Course in any Science & Technology Program of Study)		

**Project Lead the Way © affiliated course | pltw.org

Academy Champion

Mission Statement:

Students in the Academy of Science & Technology will Iterate, Design, Experiment, and Analyze to be thoughtful global contributors.



Introductory Courses

COMPUTER HARDWARE AND SOFTWARE

Grade Level: 9, 10, 11, 12
Credits: 1 Credit
Prerequisite: None
Program of Study: Computer Science and Information Technology Solutions

Computer systems are integral to our daily lives using algorithms to automate everything from our lights to the stock exchange. With billions of unique, connected computer devices in the world, it is shocking how little most of us know about how these powerful tools work. This course is a hands-on study of computer construction, hardware/software repair and useful “tech knowledge” for industrial and home applications. As we explore our own Internet of Things, students will engage in problem-solving, using software tools, applying algorithms and collaboration, leaving the course with an understanding of how computers think, operate, and communicate as well as be ready to tackle real-world problems in computer science, cyber security, or other fields.

ELECTRICITY

Grade Level: 9, 10, 11, 12
Credits: 1 Credit
Prerequisite: None
Program of Study: Renewable Energy and Electrical Systems

This course provides an introduction to electricity and its applications. Concepts are applied and reinforced through project-based learning. We will explore the world of electronics, circuitry, basic wiring, and construction of real-world residential wiring circuits. Students will develop electrician skills, using hand tools and performing basic wire runs and device installs. You will also learn about Arduino microcontrollers and how they can be programmed to accomplish real world tasks. If you enjoy; working with your hands, creating something from a pile of parts, or are interested in starting a career in a high demand trade , then Electricity is the class for you!

ENERGY, FOOD AND THE OUTDOORS

Grade Level: 9, 10, 11, 12
Credits: 1 Credit
Prerequisite: None
Program of Study: Environmental Science

The Can-Do Pathway to Global Change: If you have an interest in the outdoors and want to learn how that interest can lead to a career in science and technology, this is the course for you. In this introductory course, students will learn about the outdoors while exploring outdoors! Through a study of the Shakopee community, students will learn how decisions we make about food and energy today impact their world. We will examine climate change and how the choices we make on a daily basis will change our future. A hands-on approach will be used, with students creating their knowledge by learning outdoors in our community.

The topic of water will also be a major focus of this course. Students will be provided with the opportunity to safely explore the school pond with canoes and waders.

Intermediate Courses

AP COMPUTER SCIENCE PRINCIPLES (CSP) – A & B (PLTW)

Grade Level: 10, 11, 12
Credits: SHS: 2 Credits
College: Possible college credit with a score of 3 or better on the National AP Exam.

Prerequisite: Computer Hardware and Software
Program of Study: Computer Science

Using Python® as a primary tool, students learn the fundamentals of coding, data processing, data security, and task automation, while learning to contribute to an inclusive, safe, and ethical computing culture. The course promotes computational thinking and coding fundamentals and introduces computational tools that foster creativity. Computer Science Principles helps students develop programming expertise and explore the workings of the Internet. Projects and problems include app development, visualization of data, cybersecurity, and simulation. Students will have the option to take the AP Computer Science Principles Exam at the end of the course.

The online version of this class is NOT tied to the Project Lead the Way curriculum and therefore students will not have the opportunity to receive college credit.

CYBER SECURITY

Grade Level: 10, 11, 12
Credits: 1 Credit
Prerequisite: Computer Hardware and Software
Program of Study: Information Technology Solutions

This class covers the basics of cybersecurity on common computing and networking systems. The topics included in this course will change as unethical hackers find new ways to infiltrate and exploit networks, stand-alone machines, smartphones, and, of course, personal computers. Several possible topics could be Denial of Service attacks, phishing scams, the Internet of Things, Trojan horses, and ransomware. Students will learn about these topics by hacking into password-protected machines; reading scientific publications and security reports; analyzing, and then writing, malicious software; and researching operating system exploits, including those in iOS, Android, Mac, Linux, and Windows.

ECOLOGY

Grade Level: 10,11,12
Credits: 1 Credit
Prerequisite: Energy Food and the Outdoors, AP Biology
Program of Study: Environmental Science
NCAA Core Course

Ecology is the study of human interactions with the natural environment. Students in this course will investigate introductory ecological concepts through first-hand experience by surveying a local ecosystem. This curriculum includes more abstract concepts such as the interdependence of organisms, the relationship of matter, energy, and organization in living systems, the ecological conditions, the behavior of organisms, and biological evolution. The mission of this course is to assist students in developing an understanding of the direct footprint humans leave on the natural world and to explore methods for diminishing the impact of humans on the environment.



ENERGY AND POWER GENERATION

Grade Level: 10, 11, 12
Credits: 1 Credit
Prerequisite: Electricity
Program of Study: Renewable Energy and Electrical Systems

In Energy and Power Generation, students will investigate the energy grid, including production, transfer and consumption of electricity using these various sources: hydroelectric, nuclear, solar, coal, and natural gas. Through the use of hands-on activities and design problems students will explore various applications of different energy systems and their uses. Projects include: Mousetrap cars, Wind turbines, Biodiesel production, PLC Programming, and Hydraulic scissor lifts. This course is designed to be partnered with the Electricity course and expands on the skills and knowledge attained through that coursework.

AP ENVIRONMENTAL SCIENCE – A & B

Grade Level: 10, 11, 12
Credits: SHS: 2 Credits
College: Possible college credit with a score of 3 or better on the National AP Exam.

Prerequisite: Energy, Food, and the Outdoors or 2 High School Science Courses

Program of Study: Environmental Science
NCAA Core Course

The Can-Do Pathway To Global Change: The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them.

ENVIRONMENTAL ETHICS

Grade Level: 10, 11, 12
Credits: 1 Credit
Prerequisite: Energy, Food, and the Outdoors
Required: Parent permission to drive to off-campus locations.
Graduation Requirement: Social Studies
Program of Study: Environmental Science

This class is designed to attract the student who has a passion for the environment and to provide that student with a system of thought, through the application of the scientific method, service learning, ethics and classical logic, to evaluate human interaction with the environment. In a real-world approach, this course will include partnerships with the Minnesota Department of Natural Resources and Trout Unlimited. The classroom environment will include the Eagle Creek River System. The mission of this course is to assist students in developing an understanding of the direct footprint humans leave on the natural world and to explore ethical methods for diminishing the impact of humans on the environment.



ROBOTIC PROCESS AUTOMATION

Grade Level: 10, 11, 12
Credits: 1 Credit
Prerequisite: None
Program of Study: Information Technology Solutions

A robots’ ability to interpret data, trigger responses and communicate with other systems distinguishes it from other process automation technologies by making its potential applications easier and further reaching. Robotic Process Automation (RPA) is the application of software robots to streamline repetitive tasks for technological applications. This allows people to focus on the important work and creative processes. RPA enables software robots to use interfaces to collect data and software applications quickly, efficiently, and accurately. Students will be using a market-leading curriculum from UiPath, Artificial Intelligence and Machine Learning to learn to optimize RPA for their personal and professional lives.

Advanced Courses

ENVIRONMENTAL SOLUTIONS

Grade Level: 11, 12
Credits: 1 Credit
Prerequisite: One of the following: Environmental Ethics, Ecology, AP Environmental Science, Energy and Power Generation, Cyber Security, AP Computer Science Principles
Program of Study: Environmental Science

We live in a constantly changing world and we need students who can solve problems! This is a student-designed, project-based class where an individual or group will research, design and construct a relevant solution to an environmental problem. These authentic experiences will guide students through creative collaboration with classmates and industry professionals. Students will utilize project management tools and develop professional and technical skills while practicing within a real-world industry environment. In addition, you and your team will present and defend your solution to a panel of outside reviewers.

TECHNOLOGICAL INNOVATIONS

Grade Level: 11, 12
Credits: 1 Credit
Prerequisite: One of the following: AP Computer Science Principles, Cyber Security, Energy and Power Generation, Environmental Sustainability, AP Environmental Science
Program of Study: All Science & Technology Programs of Study

In this course, teams of students will have an environment to apply skills and resources they have gathered through their journey in Science and Technology to solve real-world problems. Teams will be collections of diverse skill backgrounds, contextual knowledge, and interests. They will explore applicable problems and develop solutions and proposals to enrich the school and community. By honing their communication, organizational, and presentation skills students will connect their solutions to their school shareholders, community partners, and industry professionals.

SHAKOPEE CAPS STEM (S&T + E&M)

Grade Level: 11, 12

Credits/Length: SHS: 4 Credits/2 Quarters

College: 3 semester credits from St. Cloud State University


Schedule: 1st Semester (Blocks 1 and 2)

Location: Bayer and Shakopee High School

Prerequisite: Intermediate Course in an Engineering & Manufacturing OR Science & Technology Program of Study OR Advanced Course in another Academy.

Eligibility: Entrance to CAPS is based on a completed application and course registration. All applications are due at the close of registration. St. Cloud State University has a separate application once enrolled in CAPS . See your counselor for any questions regarding the application process. Please use the link below to view the application.

Application: bit.ly/CAPSapp25



Shakopee CAPS: STEM program fully immerses students at Bayer in Shakopee providing unprecedented access to real-world experiences in the dynamic fields of Science & Technology AND Engineering & Manufacturing. Partnering with experienced professionals, students will advance their understanding of engineering and discrete manufacturing, design process thinking, project management, software, hardware, and technology applications, as well as explore the many career opportunities in these high demand industries. Students will be able to see the evolution of their projects from inception to completion with the evolution of the course.

Shakopee CAPS requires students to be active, independent learners and fosters empowerment, self-discovery, collaboration, and critical thinking skills. Students will engage in a variety of opportunities including case studies, problem and project-based learning, and on and off-site shadowing experiences.

SHAKOPEE CAPS STEM (S & T - E & M) INTERNSHIP


Grade Level: 11, 12

Credits/Length: 2 Credits/1 Quarter

Schedule: 3rd Quarter (Blocks 1 and 2)

Location: Various internship locations in Shakopee area

Prerequisite: CAPS Engineering & Manufacturing



The Shakopee CAPS STEM (Science & Technology and Engineering & Manufacturing) Internship will give students direct experience working in the field. Students will gain invaluable professional skills working alongside industry professionals. A variety of internships are available; students will be able to pursue internships that most interest them. All students will apply and interview for these competitively placed positions. Students will work directly with professionals and clients through a series of shadowing and project-based experiences. Students who have participated in internships show a higher chance of completing college and with less debt. Come get a start on your future and develop your competitive edge.

Academy Elective Courses

MOBILE APP DEVELOPMENT

Grade Level: 9, 10, 11, 12

Credits: 1 Credit

Prerequisite: None

The Mobile App Development course provides an introduction to the basic principles of computer science from the perspective of mobile computing. You will code your own apps using App Inventor, a graphical programming language for Android mobile devices. The lessons and materials used by students incorporate programming while also integrating all other AP CSP big ideas: creativity, abstraction, data and information, algorithms, the Internet and global impact. Throughout this course you will engage in the development of problem-solving skills and honing your computational thinking practices. You will learn to create socially useful Apps using App Inventor as well as connect computing and learning about abstraction as you develop and analyze your programs. If you love projects, this is the course for you as the course takes a complete project-based approach throughout the length of the course. You will create a portfolio of your work which will showcase all of your projects and act as a resume for your future endeavors.

WEB DEVELOPMENT

Grade Level: 9, 10, 11, 12

Credits: 1 Credit

Prerequisite: None

Every minute, 571 websites are created and over 3.2 billion people use the Internet. Web Development deals with the language, skills, and thinking involved with creating and managing websites. In this intermediate course, students will create Web visuals, manage behind-the-scenes information, and work through common Internet-related problems such as database efficiency and cybersecurity. Students will leave this course familiar with the languages of HTML, JavaScript, and PHP ready to design and develop the Internet of the future.

YOUTH SKILLS TRAINING

Grade Level: 11, 12


Credits: 1 Credit

Prerequisite: Advanced Course in Engineering and Manufacturing, Health Science, Science & Technology OR Advanced Welding - Design and Fabrication

The Youth Skills Training (YST) program encourages, promotes and supports the development of local partnerships between schools, employers and community organizations. These local partnerships provide students with related classroom instruction, safety training, industry-recognized credentials and **paid** work experience in high-growth and high-demand occupations in the industries of **advanced manufacturing, agriculture, automotive, health care and information technology**. Successful applicants will demonstrate the ability to achieve these objectives through various means including outreach, education, training and supportive services for students.

Registered students will be eligible to be placed with an employer offering a Youth Skills Training Experience in an eligible Youth Skills Training Industry. However, **enrollment is only guaranteed once an employer partnership is approved in the student area of interest.**

AVID PROGRAM



AVID (Advancement Via Individual Determination) is a college readiness program and elective class held during the school day. It is offered to students who would like to prepare to attend two-year community or technical or four-year colleges or universities. Students participate in AVID voluntarily.

The curriculum includes writing, inquiry, collaboration, organization, reading, note-taking, study skills, test preparation and test taking skills, college/career/team building activities and visits to colleges and universities.

AVID students must complete an application and participate in an interview. If selected, they must sign an AVID Student Agreement and commit for a year to complete all the required AVID work, take notes in all subject-area classes daily, use the AVID binder for all classes and participate in small group tutorial sessions during the AVID elective class with AVID tutors. Senior AVID students also are required to complete community service hours.

Other requirements include good citizenship, appropriate classroom behavior, good attendance and a minimum cumulative 2.0 GPA. AVID students are required to take at least one rigorous course each year. They must be able to complete advanced-level work. Students must also demonstrate motivation, individual determination and take responsibility for their own learning and success.

AVID Elective Sequence

AVID 9: Personal Growth! Emphasis on further developing WICOR skills, exploring personality/strengths/areas for growth, goal setting, note taking, and researching and exploring post-secondary options. Weekly tutorials, binder checks, and note taking skills.

AVID 10: Laying the Foundation! Emphasis on further developing WICOR skills with a greater focus on college and career research, scholarship introduction, and future goal setting. Weekly tutorials, binder checks, and note taking skills.

AVID 11: Gearing Up! Enhanced focus on college & career exploration, narrowing college choices, writing college and scholarship essays, exploring financial aid, applying to scholarships. Weekly tutorials, binder checks, and note taking skills.

AVID 12: Making It Happen! Applying to college & scholarships, refining college-ready academic skill set, creating collaborative study groups, & preparing for life after High School. Weekly tutorials, binder checks, and note taking skills.



ENGLISH LANGUAGE DEVELOPMENT FOR MULTILINGUAL LEARNERS

English Language Development (ELD) courses and services are designed for students with a home or primary language other than English. Students are provided with English Language Development support in addition to grade level content concepts.

Students qualify for ELD support according to their scores on the ACCESS test/WIDA screener. The amount and type of ELD support will be determined based on the ACCESS assessment, MN Department of Education guidelines (based on federal guidelines) and Shakopee Public Schools program model. Students will be scheduled into appropriate courses based on qualifying criteria.

For more information on Shakopee’s Program Model, visit our website at shakopee.k12.mn.us/domain/52 or scan the QR code.



Below are the courses that are offered for Multilingual Learners with emergent English needs that may serve as either elective or content credit as outlined.

ELD 100 – A, B, C, & D

Grade Level: 9, 10, 11, 12
Credits/Length: 4 Elective Credits
Prerequisite: Instructor approval required

This course is designed for students who are new to the country and have beginning English language experiences. Students will learn both conversational and academic English through reading, writing, listening, and speaking.



ELD 200 – A, B, C, & D

Grade Level: 9, 10, 11, 12
Credits/Length: 4 Elective Credits
Prerequisite: Instructor approval required

This course is for multilingual (ML) students who have completed ELD 100 for ML students or who have a WIDA Screener score of Level 2. This course will expand students' academic language proficiency in reading, writing, listening, and speaking.

ENGLISH 9 (SHELTERED) – A & B

Grade Level: 9, 10, 11, 12
Credits/Length: 2 English Credits
Prerequisite: Instructor approval required

This course is for multilingual (ML) students who have completed ELD 200 for ML students or who have a WIDA Screener score of Level 2 or above. This course will focus on English 9 content standards while also supporting students' academic language development.

LANGUAGE OF MATHEMATICS – A & B

Grade Level: 9, 10, 11, 12
Credits/Length: 2 Elective Credits
Prerequisite: Instructor approval required

This course will focus on developing the academic language of math while building students’ ability to solve multi-step equations and inequalities. This course will build conceptual understanding in mathematics while preparing students to take Algebra Concepts.

ALGEBRA CONCEPTS (SHELTERED) – A & B

Grade Level: 9, 10, 11, 12
Credits/Length: 2 Elective Credits
Prerequisite: Instructor approval required

This course will focus on developing the academic language of math through the introduction of linear, quadratic, exponential and rational relationships. Radicals, coordinate geometry, proportions, beginning probability, statistics, and other topics are included. This class will prepare students to take Geometry.

INTERMEDIATE ALGEBRA (SHELTERED) - A & B

Grade Level: 9, 10, 11, 12
Credits/Length: 2 Math Credits
Prerequisite: Instructor approval required

This course follows the grade level standards of Intermediate Algebra with the built in academic language supports for our multilingual students. The content will build upon the skills and principles learned in Algebra 1, exploring relationships and functions. These topics will include the following concepts: linear and nonlinear functions with an emphasis on quadratics, statistics, and probability.

LANGUAGE OF SCIENCE – A & B

Grade Level: 9, 10, 11, 12
Credits/Length: 2 Elective Credits
Prerequisite: Instructor approval required

This course will focus on developing the academic language of science while building the conceptual understanding of physical, life, earth, and space science. This will be an activity-based, concept-focused course. Small group work and student discussion will be used to develop critical thinking and problem solving skills.

LANGUAGE OF SOCIAL STUDIES – A & B

Grade Level: 9, 10, 11, 12
Credits/Length: 2 Elective Credits
Prerequisite: Instructor approval required

This course will focus on developing the academic language of social studies while building the conceptual understanding of geography, history, economics, civics, and government. This will be an activity-based course that will develop the skills of research, inquiry, relevance, and cultural literacy.

SPECIAL EDUCATION

The Special Education Department offers a variety of classes designed to meet the individualized needs (reading, writing, math, communication, behavior, as well as life and work skills development) of students receiving services through their Individual Education Plan (IEP). Students will be registered for these classes based on the documented services in their IEP by their IEP case manager.



Southwest Metro Educational Cooperative



The Southwest Metro Intermediate District will offer the following courses during the 2045/35 school year. Each course at SWMetro gives you job training which may be used to get a job after graduation or to help you decide what career you should study after High School graduation. The courses also provide for application of skills learned in other High School classes.

Post-Secondary Accreditation

Students may be eligible to receive post-secondary credits for Career and Technical course work they complete at Southwest Metro Intermediate District. Students must have enrolled in one of the following SW Metro career and technical courses and maintain a B or better: Students can receive post-secondary credit at various two- or four-year colleges.

Transportation

Shakopee High School provides transportation to the SW Metro. Students choosing to drive must sign and turn in a permission form at Shakopee High School.

AGRICULTURAL SCIENCE & NATURAL RESOURCES PATHWAY

ANIMAL SCIENCE

Grade Level: 11, 12
Credits: SHS: 2 credits
College: Students may be eligible to receive post-secondary credits for career and technical courses completed
Schedule: Fall Semester
Prerequisite: None
Location: 401 Building - CHASKA

This course is designed with emphasis on genetics, physiology, and nutrition. The course includes a study of production systems relative to the horse, dairy, sheep, poultry, swine, and beef industries. Additional topics include man’s relationship to animals, current issues, and future perspectives of animal agriculture. Students will experience laboratories at local farms, YMCA Horse camp, and other locations that will relate to Animal Science course study. Students will receive articulated credit for this class through MNTCONLINE, course work is transferable to various MN Community Colleges such as South Central College, and Ridgewater

Articulated College Credit, Biology Science Standards, National Agriculture Standards

LARGE ANIMAL – VET SCIENCE

Grade Level: 11, 12
Credits: SHS: 2 credits
College: Students may be eligible to receive post-secondary credits for career and technical courses completed
Schedule: Spring Semester
Prerequisite: None
Location: 401 Building - CHASKA

Introduction to Large (Production/Livestock) Animal health and veterinary science. Students will begin with an in-depth assessment of the nature of diseases and disorders, followed by medical practices and procedures, and concluding with the physiology of the reproductive and digestive systems, this course provides students with the opportunity to view common management problems of cattle through the viewpoint of a practicing veterinarian. For those interested in animal husbandry, this course provides a strong background in the cause of and treatment for common diseases and disorders of livestock, particularly dairy cows.

Articulated College Credit, Hands-on, Biology Science Standards, National Agriculture Standards

OUTDOOR POWER EQUIPMENT

Grade Level: 11, 12
Credits: SHS: 2 credits
College: Students may be eligible to receive post-secondary credits for career and technical courses completed
Schedule: Fall or Spring Semester
Prerequisite: None
Location: Dean Lakes Building – SHAKOPEE

Students will develop an understanding in the basic operation of a small gas engine and the various systems including ignition, carburetion, and compression. Students will disassemble, measure components, and reassemble 2 stroke and 4 stroke engines. Each student will have the opportunity to bring a small gas engine for service and/or repair. Various hand tools connected with small engines will be used. Parts that are needed for the student’s own engine will have to be purchased by the student. Students may earn Articulated College Credit.

Articulated College Credit, Hands-on Experience, Briggs & Stratton Master Service Tech Industry Certifications

AVIATION TECH (DRONE TECH)

Grade Level: 11, 12
Credits: SHS: 2 credits
College: Students may be eligible to receive post-secondary credits for career and technical courses completed
Schedule: Fall or Spring Semester
Prerequisite: None
Location: Dean Lakes Building – SHAKOPEE

This course is foundational for unmanned aviation vehicles (UAV) and will prepare students to take the Federal Aviation Administration: Part 107 Remote Pilot Knowledge Test. Topics include: pre-flight procedures, airspace, radio communications, aviation phraseology, regulations, airport operations, aviation safety, weather, cockpit management, and emergency procedures. Students will also spend time practicing take-offs, flying and landings on flight simulators before flying a variety of drones. Students will look at UAV careers including UAV pilots, repair, and data analytics.

Articulated College Credit, Hands-on Experience, Federal Aviation Admin (FAA) Part 107 Drone Standards

ENGINEERING & TECHNOLOGY

CONSTRUCTION TECHNOLOGY – A & B

Grade Level: 11, 12
Credits: SHS: 2 credits per semester (4 total)
College: Students may be eligible to receive post-secondary credits for career and technical courses completed
Prerequisite: None
Location: 401 Building - CHASKA

Welcome to the world of construction! You are joining the eight million Americans who have chosen a career in this lucrative field. Construction is one of the nation’s largest industries, offering excellent opportunities for high earnings, career advancement, and business ownership. Work in construction offers a great variety of career opportunities. People with many different talents and educational backgrounds–skilled crafts persons, managers, supervisors, and superintendents–find job opportunities in construction and related fields. As you will learn throughout your training, many other industries depend upon the work you will do in construction. From houses and office buildings–everything begins with construction.

Second Year option is available with instructor permission. Student could work as Crew Chief and learn more about this career field

Articulated College Credit, Hands-on Experience, Industry Certification- CPR, PS2, OSHA 10 certifications

Fall Semester

- Hand & Power Tools
- Building Permits
- Building Codes
- Building Site Prep
- Foundation
- Fasteners
- Measuring
- Floor Systems
- Blueprint Reading
- 10 Hour OSHA Safety Certification
- Rafters/Trusses/Roof Systems
- Nailing Patterns
- Exterior and Interior Wall Framing
- Assist in Installation of Electrical, Plumbing, Heating and Air Conditioning

Spring Semester

- Safety
- Ventilation
- Insulation & Vapor Barriers
- Siding
- Cornice
- Fascia
- Roofing
- Blueprint Reading
- Drywall Applications & Finishing
- Door & Window Installation
- Staining & Painting
- Floor Finishing
- Hanging Interior Doors
- Hanging Cabinets
- House Moving Theory
- Interior Trim

AUTOMOTIVE TECHNOLOGY – A & B
1 OR 2-year program begins in Fall of odd years, but the 2 years can be taken in either order
Grade Level: 11, 12
Credits: SHS: 2 credits per semester (8 total)
College: Students may be eligible to receive post-secondary credits for career and technical courses completed
Prerequisite: None
Location: 401 Building - CHASKA

Students will learn to work on any car in a rapidly changing industry using a full systems approach. They will also learn to analyze, diagnose, maintain, and repair basic and advanced automotive systems. They will use the same advanced diagnostic and repair equipment as a Master Technician.

The duration of the course is two years. Content will be offered in alternate years. Students can enroll any semester.

- Auto Shop Safety
- Steering Systems
- Suspension Systems
- Manual Transmissions and Drivetrain
- Electrical Systems
- Automatic Transmissions

Articulated College Credit, Hands-on Experience, Automotive Service Excellence (ASE) certified program

HUMAN SERVICES

CHILD DEVELOPMENT ASSOCIATE 1
Grade Level: 11, 12
Credits: 2 credits
Schedule: Fall or Spring Semester
Prerequisite: None
Location: East Creek Family Center - CHASKA

The Child Development Associate (CDA) was created in response to the need for early childhood professionals to master the knowledge and skills needed to create effective learning environments for children. The CDA is an accepted credential for work as a teacher, assistant teacher, or aide in childcare centers and preschools.

This CDA Prep course is designed to provide the information needed to effectively care for and educate young children. The course is appropriate for students who intend to pursue advanced study in early childhood education or a related discipline and for those who will seek employment or career advancement upon completion of the program. The 120 hours of education moves students forward in the process of earning the Child Development Associate (CDA) national credential through the Council for Professional Recognition.

Curriculum covers six (6) competency standards and thirteen (13) functional areas

Articulated College Credit, Hands-on Experience, Industry Certification, Portfolio, 120 hours towards CDA credential

CHILD DEVELOPMENT ASSOCIATE 2
Grade Level: 11, 12
Credits: 2 credits
Schedule: Fall or Spring Semester
Prerequisite: None
Location: East Creek Family Center - CHASKA

The course is appropriate for students who intend to pursue advanced study in early childhood education or a related discipline and for those who will seek employment or career advancement upon completion of the program.

Articulated College Credit, Hands-on Experience, Industry Certification, Portfolio, 120 hours towards CDA credential



COSMETOLOGY 1 – A & B
Grade Level: 11, 12
Credits: SHS: 2 credits per semester (4 total)
College: Students may be eligible to receive post-secondary credits for career and technical courses completed
Prerequisite: None
Location: 401 Building - CHASKA

- Fall Semester**
- Intro to MN State Laws & Rules
 - Safety & Infection Control
 - Intro to Hair
 - Intro to Hair styling
 - Intro to Hair Design
 - Haircutting
 - Hair Styling
 - Practical Application

- Spring Semester**
- MN Laws & Rules
 - Intro to Manicuring
 - Natural & Artificial Nails
 - Intro to Pedicuring
 - Intro to Massage
 - Intro to Skin Care
 - Waxing
 - Facials
 - Make-Up
 - Practical Application

COSMETOLOGY 2 – A & B
Grade Level: 12
Credits: SHS: 2 credits per semester (4 total)
College: Students may be eligible to receive post-secondary credits for career and technical courses completed
Prerequisite: Cosmetology I
Location: 401 Building - CHASKA

- Fall Semester**
- Review – Basic Haircutting
 - Laws & Rules
 - Short/clipper Haircutting
 - Practical Application
 - Women's Haircutting
 - Hairstyling
 - Intro to Hair Relaxing
 - Practical Application

- Spring Semester**
- Intro to Perming
 - Theory & Technique
 - Laws & Rules
 - Practical Application
 - Intro to Hair Color/Foiling
 - Salon Business/ Management
 - Practical Application

CRIMINAL JUSTICE – A & B
Grade Level: 11, 12
Credits: SHS: 2 credits per semester (8 total)
College: Students may be eligible to receive post-secondary credits for career and technical courses completed
Prerequisite: None
Location: Dean Lakes Building – SHAKOPEE

- Police & Community (Fall Semester)**
- Origins of U.S. Policing
 - Police Discretion
 - Contemporary Policing
 - Community Policing
 - Police and Crime Fighting
 - Calls for Police Services
 - Arrest and Booking
 - Use of Force
 - Police Shootings
 - MN Post Board
 - Police Attitudes and Behaviors
 - Racial Profiling
 - Police and Domestic Violence
 - Special Police Units
 - Police Conduct and Ethics
 - Terrorism and Law Enforcement
 - Current Issues in Policing
 - Police Corruption

- Police and Legal Issues
- Patrol
- Investigation
- Police Organization
- Hiring Process
- Police Socialization

- Introduction to Corrections (Spring Semester)**
- Origins of Corrections
 - Philosophy of Corrections and Charges
 - Social Interventions and Juvenile Diversion
 - Understanding Recidivism
 - Jails and Prisons
 - Probation and Parole
 - Community Corrections
 - Plea Bargaining

- Drug Courts
- Juvenile Courts
- The War on Drugs and Prison
- Minorities and Incarceration
- Life Sentences
- The Death Penalty
- Three Strikes and You're Out Policies
- Mandatory Minimum Sentences / Truth in Sentencing Policies
- Treatment vs. Punishment
- Restorative Justice Model
- Chemical Dependency and the Law
- Policies Discretion: Judges, Lawyers
- Mentally Ill and Incarceration
- Elderly and Incarceration
- Addiction and Incarceration

Articulated College Credit, Hands-on Experience, Industry Certification, Portfolio, 120 hours towards CDA credential



ARTS, COMMUNICATION AND INFORMATION SYSTEMS

PHOTOGRAPHY 1: PHOTO AND VIDEO PRODUCTION

Grade Level: 11, 12
Credits: SHS: 2 FINE ART credits per semester (8 total)
College: Students may be eligible to receive post-secondary credits for career and technical courses completed
Schedule: Fall or Spring Semester
Prerequisite: None
Location: Dean Lakes Building – SHAKOPEE

In this fun, fast-paced course, you will learn how to create your own, truly great photographs. By the end of this course, you will also be able to take control of any camera, direct people for better portraits, shoot in a studio, edit in Photoshop like a professional and even print traditional black and white photos in a darkroom. This is a hands-on course! The majority of your class time will be spent working on your very own unique photographs.

Articulated College Credit (option), Articulated College Credits, Hands-on Experience



PHOTOGRAPHY 2: PHOTO AND VIDEO PRODUCTION

Grade Level: 11, 12
Credits: SHS: 2 FINE ART credits per semester (8 total)
College: Students may be eligible to receive post-secondary credits for career and technical courses completed
Schedule: Fall or Spring Semester
Prerequisite: Photo 1
Location: Dean Lakes Building – SHAKOPEE

After mastering the controls of a camera and the basic processes of photography, this course gives you the opportunity to apply those skills to professional-like photography assignments. Those cover the range from portraits, photojournalism, advertising, landscape and much more. This course should give you foundation in the skills necessary to be a professional photographer. Students may register for either semester or both.

Articulated College Credit (option), Articulated College Credits, Hands-on Experience

ADV. PHOTOGRAPHY: ADV. PRODUCTION LAB

Grade Level: 11, 12
Credits: SHS: 2 FINE ART credits per semester (8 total)
College: Students may be eligible to receive post-secondary credits for career and technical courses completed
Schedule: Fall or Spring Semester
Prerequisite: Photo 2
Location: Dean Lakes Building – SHAKOPEE

In Advanced Photo 1, you will refine your skills and be pushed into truly developing your own unique style for your photography. Throughout the semester you will develop a truly stunning professional print and web-based portfolio. This course is for those who are truly dedicated to the craft of photography and willing to spend a fair amount of time both in and out of school working on their own photography. Students may register for either semester or both.

Articulated College Credit (option), Articulated College Credits, Hands-on Experience

GRAPHIC DESIGN AND PRINT 1: A & B

Grade Level: 11, 12
Credits: SHS: 2 FINE ART credits per semester (8 total)
College: Students may be eligible to receive post-secondary credits for career and technical courses completed
Prerequisite: None
Location: Dean Lakes Building – SHAKOPEE

The Graphic Design and Print program’s Intro to Design and Color Theory course is designed for any student with an interest in the digital arts. Students in the first year of the program develop a strong design foundation using industry-standard Adobe programs. During the first year of the program, students will have the opportunity to make T-shirts, buttons, car decals, posters and custom screen-printed products while gaining the necessary skills to stand out in a post-secondary program or jump right into industry opportunity.

Fall Semester

- Intro to Design and Color Theory
- Typography
- Custom Stickers and Buttons
- T-shirt Design
- Mac OS Overview
- Adobe Illustrator
- Exporting DXF Files & Vinyl Cutting
- Intro to Screen Printing
- Adobe Photoshop
- Intro to Animation

Spring Semester

- Adobe InDesign
- Advertising Layout
- Printing and Binding Techniques
- Packaging
- Publication Layout
- Intro to web design
- Branding
- Industry Application – Job Costing, Design Briefs, Workflow, File Management

GRAPHIC DESIGN AND PRINT 2: A & B

Grade Level: 12
Credits: SHS: 2 FINE ART credits per semester (4 total)
College: Students may be eligible to receive post-secondary credits for career and technical courses completed
Prerequisite: Graphic Design and Print 1
Location: Dean Lakes Building – SHAKOPEE

Second year students in the Graphic Design and Print program will focus on the skills needed to create a web presence. These students will also have the opportunity to work for real clients who need design work completed. Students will leave the second year of the program with a portfolio, website and professional experience to start a career in design.

Fall Semester

- Introduction to Web Design
- Advanced Screen Printing
- Portfolio Building
- Marketing
- Client Assignments and Internships

Spring Semester

- Mobile Development
- Personal Website Building
- Introduction to Animation
- Social Media Presence
- Portfolio Building
- Client Assignments and Internships

COMPUTER REPAIR – A & B

Grade Level: 11, 12
Credits: SHS: 2 credits per semester (4 total)
College: Students may be eligible to receive post-secondary credits for career and technical courses completed
Prerequisite: None
Location: Dean Lakes Building – SHAKOPEE

Fall Semester

You will learn the parts and components of computer hardware including...

- Being a PC technician
- System Components: power supply, motherboard, processors, etc.
- Peripheral Devices: USB, display, firewire, etc.
- Storage: optical drives – ATA, Serial ATA, SCSI, File System, RAID
- Networking: hardware, Ethernet, network addressing – IP v4, IP v6, utilities, HomeGroup
- Printing: printers, configuration, management, maintenance
- Mobile Devices: notebook computers, apps, maintaining

Spring Semester

You will learn the parts and components of computer hardware including...

- Windows System Management: preferences, performance, users and groups, applications, updates
- System Implementation: components, pre/post considerations
- File Management: locations, managing, NTFS, sharing, offline
- Security: best practices, physical, social, BIOS, malware, authentication, encryption, firewalls, proxy
- Troubleshooting: motherboard, storage, video, etc.

COMPUTER NETWORKING – A & B

Grade Level: 12
Credits: SHS: 2 credits per semester (4 total)
College: Students may be eligible to receive post-secondary credits for career and technical courses completed
Prerequisite: Computer Repair
Location: Dean Lakes Building – SHAKOPEE

Computer Networking explains how the internet and computer networks work. It covers computer to computer communication and the various communication pathways in detail. Computers communicate mostly using a “contention” method of signaling. This is similar to the classroom where students “contend” to speak in the class by raising their hand. Students who take this class generally want to...

- Go to college (2 or 4 year) in some aspect of computers and computer networks – hardware, networking or programming.
- Understand more about computer technology than was taught in the Computer Repair course.
- Understand a “language” of inter (personal, computer) communication and are interested in how communication takes place in general.
- Apply themselves to an interesting, technical subject that is in use all over the world
- Obtain a Network Pro or Network Plus certification.

A mastery level understanding of computers and an introductory understanding of computer networks is required for successful completion of this course – these can be obtained in the Computer Repair course which is a prerequisite. Students are encouraged to start in the fall semester. Taking or passing the Network Pro or Network Plus exam is not a course requirement and does not count negatively toward your grade. You will be offered a chance to take the Network Pro exam during class.

Fall Semester

- Networking Basics
- Cables and Connections
- Networking Devices
- Ethernet
- Network Implementation
- Wireless Networking
- Wide Area Networks

Spring Semester

- Network Security
- Network Management
- Troubleshooting

HEALTH SCIENCE

EMERGENCY MEDICAL RESPONDER (EMR)

Grade Level: 11, 12
Credits: **SHS:** 2 credits
College: Students may be eligible to receive post-secondary credits for career and technical courses completed
Schedule: Fall Semester
Prerequisite: None
Location: 401 Building – CHASKA

Medical training required for firefighters and law enforcement, students will learn about emergency services, advanced first aid, and healthcare provider CPR. This course includes a focus on learning anatomy and physiology and provides many field experiences to practice hands-on skills.

- Students will learn how to identify and treat cardiac arrest (CPR), choking patients, and initiate lifesaving care to critical patients.
- Students will be able to explain body systems, structures, common conditions, and describe how to treat patients with a range of medical conditions and injuries.
- Students will be able to describe and explain emergency operations and develop a foundation for working in hospitals, ambulances, fire departments, air care, police departments, and other Emergency Medical Service based locations.

Hands-on Experiences, Tours, College Credits, Certifications EMR MN Certified, FEMA IS 100b & 700-BLS-HCP, American Heart Association

EMERGENCY MEDICAL TECHNICIAN (EMT)

Grade Level: 11, 12
Credits: **SHS:** 2 credits
College: Students may be eligible to receive post-secondary credits for career and technical courses completed
Schedule: Spring Semester
Prerequisite: EMR
Location: 401 Building – CHASKA

EMTs are clinicians, trained to respond quickly to emergency situations regarding medical issues, traumatic injuries and accident scenes. EMTs are often employed by ambulance services, governments, and hospitals. They are sometimes employed by fire departments and in police departments. There are many EMTs that are also police officers or firefighters. EMTs operate under a limited scope of practice and are typically supervised by a medical director who is a physician. Having taken **EMR is a prerequisite** for this semester-long course.

Hands-on Experiences, Field Experience, Industry Certifications- National Registry of EMT, Hazardous Material Awareness FISDAP

NURSING ASSISTANT

Grade Level: 11, 12
Credits: **SHS:** 2 credits
College: Students may be eligible to receive post-secondary credits for career and technical courses completed
Schedule: Fall or Spring Semester
Prerequisite: None
Location: 401 Building – CHASKA

Approved through the Minnesota Department of Health, Nursing Assistant will train students to work directly with residents of a long-term care facility. Clinical rotations are conducted at Auburn Manor in Chaska. Students will learn the curriculum and skills required to take the state Nursing Assistant Registry Exams. Students also earn certifications in basic first aid and CPR through the American Heart Association.

Articulated College Credits (4-credits), Field Experience, Certifications- Certified NA, MN State Health Department and National Health Care

MEDICAL TERMINOLOGY

Grade Level: 11, 12
Credits: **SHS:** 2 Credits
College: Students may be eligible to receive post-secondary credits for career and technical courses completed
Prerequisite: None
Location: 401 Building – CHASKA

This course is an introduction to medical terminology and the language of medicine. Students will gain an understanding of how complex medical terms are formed from Latin and Greek word parts utilizing root words, prefixes, and suffixes. With a specialized focus:

- Anatomy and Physiology of the body systems
- Pathology
- Diagnostic procedures
- Pharmacology

Emphasis is placed on spelling and pronunciation of medical terms. This course will prepare a student with the basic knowledge of medical terminology.

Articulated College Credits (2-credits), Hands-on Experience

Academy Elective: An elective course within an Academy that builds on the programs of study and is available to students outside of the Academy.

Accelerated Sequence: Courses that are taught using next or above grade level curricular standards.

ACT: ACT assessment is a five-hour national college admissions test that includes five sections: English, Math, reading, science and writing. Most colleges will accept a student’s ACT scores as part of the admissions evaluation. Eleventh grade students take this assessment that is administered in the High School.

Advanced Course: The third course in a sequence of courses within a program of study. These courses must include value added programming. Typically, taken by 11th and 12th Graders within the Academy.

Advanced Placement (AP): These courses are yearlong courses vetted by the College Board that culminate with a high stakes test in May (scores of 3+ generally earn college credit).

Areas of Interest: Broad area of interests commonly used by universities and the Minnesota Department of Education as career clusters.

CAPS Program: A profession-based, immersion program for 11th and 12th Grade students who attend class, with a Shakopee High School teacher, at an industry partner location, with an opportunity for a second-semester internship.

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.

College in the Schools (CIS): These courses are University of Minnesota-Twin Cities (U-MN) courses taught in the High School by High School teachers approved and trained by U-MN faculty.

Concurrent Enrollment: Refers to college-level courses offered for both High School and college credit simultaneously. There are several options available to students for earning concurrent enrollment credits.

Co-requisite: course of study required to be taken simultaneously with another.

FAFSA: The Free Application for Federal Student Aid. This form is required for any student who wants to be considered for federal aid of any kind.

Financial Aid: Money to help pay for college.

Gateway Course: A quarter length course that introduces each Area of Interest and is a requirement for 6th and 7th grade students at the middle level.

Global Elective: A course that is not embedded within an Academy. Typically meets a post-secondary or graduation requirement (e.g. World Language, Fine Arts).

GPA: The abbreviation for grade point average. The average of a student’s grades.

Intermediate Course: The second course in a sequence of courses within a program of study. Typically taken by 9th to 11th Graders within the Academy.

Introductory Course: The first course in a sequence of courses within a program of study. Typically, taken by 9th or 10th Graders exploring Academies.

PLTW: Project Lead The Way. Project Lead The Way is a nonprofit organization that provides a transformative learning experience for K-12 students and teachers.

Post-Secondary: Education taking place following graduation from a High School.

Prerequisite: A prerequisite is a required course that is to be completed before a student can take a course in question.

Programs of Study: A sequence of courses that increase in depth and complexity in a more focused program within an Area of Interest and directly relates to 2-yr and 4-yr post-secondary options and relevant career opportunities.

PSAT: Preliminary Scholastic Aptitude Test, an exam given to High School sophomores and juniors to prepare for the SAT. The PSAT taken junior year is the only test that qualifies students for the National Merit Scholarship.

PSEO: An abbreviation that refers to “Postsecondary Enrollment Option”, a program that allows High School students to earn college credit while still in High School through enrollment and successful completion of college-level courses.

SAT: A test of a student's academic skills, used for admission to US colleges.

Secondary: This term refers to middle and High Schools.

Transcript: A record of your academic progress.

Twice-Accelerated Sequence: Courses are taught using the grade level standards of the course two grade levels ahead.

University: An educational institution designed for instruction, examination, or both, of students in many branches of advanced learning, conferring degrees in various faculties, and often embodying colleges and similar institutions.

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