

## COURSE SELECTION

Dear Parents/Guardians:

We believe that educational planning and the selection of classes is one of the most important parts of your student's high school experience, and we hope you will take an active part in the process.

The Course Guide contains information on graduation requirements, Common Core State Standards, NCAA Clearinghouse requirements, and every course offered at Mundelein High School. It lists the following for each course: prerequisites, grade level criteria, number of terms, number of credits, and the course description. In addition, Mundelein High School frames course selection in the context of Programs of Study. Please take time to review and discuss the Programs of Study with your son/daughter, so that our students choose courses that align with their post-secondary plans.

Each student will receive a Course Selection Worksheet; this worksheet lists every course offered next year for each grade level, along with the number of terms the course meets. Next to the department heading is a corresponding page number in the Course Guide. Freshmen, sophomores, and juniors are required to fill 7 periods for the year.

Beginning in December, counselors will schedule individual appointments with each student. During the appointments, counselors will review graduation requirements, record course selections, and discuss post-high school plans.

Please contact our Guidance Department at 949-2200 if you have any questions. We look forward to working closely with you and your students to plan for an exciting and challenging 2019-2020 school year.

Best Regards,



Dr. Anthony Kroll  
Principal

## GRADUATION REQUIREMENTS

To graduate from Mundelein High School, students must complete 17 core academic requirements listed below and additional elective credits to meet the overall graduation requirement. The SAT test from College Board is administered during the spring of the student's junior year. The Illinois and United States Constitution Exams are administered in the American Government and Politics course, which is a required course for all students.

- 4.0 credits of approved English
- 3.0 credits of approved Math
- 3.0 credits of approved Science
- 3.0 credits of approved Social Science
- 4.0 credits of approved Health/PE
- 5.0 credits of elective courses
- 22.0 total credits for graduation

## ART

COURSE	CREDIT	OPEN TO	PREREQUISITE
<b>Introductory Courses</b>			
Art 2-D	0.5	9-12	None
Art 3-D	0.5	9-12	None
<b>Level 1 Courses</b>			
Drawing/Painting 1	0.5	9-12	Art 2-D and/or Art 3-D
Digital Photo/Design 1	0.5	9-12	None
<b>Studio Courses</b>			
Honors Drawing/Painting Studio	1.0	10-12	Drawing/Painting 1
*Digital Photo/Design Studio	1.0	10-12	Digital Photo/Design 1
*Ceramics/Sculpture Studio	1.0	10-12	Art 2-D and/or Art 3-D
*Metals/Jewelry Studio	1.0	10-12	Art 2-D and/or Art 3-D
<b>STEAM: Product Design</b>			
STEAM Product Design	1.0	10-12	Art 2-D and/or Art 3-D
<b>Advanced Placement Studio Portfolio</b>			
AP Studio Art	1.0	11-12	Any Studio Course

**\*These studio courses repeatable for HONORS CREDIT**

<p><b>ART 2-D</b></p> <p>Prerequisite: None            Open to: Grades 9-12            Length: 1 semester            Credits: 0.5            Course Number: AR1025</p>	<p>Art 2-D students will explore and learn the basic concepts in 2-Dimensional art. Students will employ the elements and principles of art and design through a sequential arrangement of lessons. Students will use a variety of media techniques and processes in drawing, painting, graphic design, and product design.</p>
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<p><b>ART 3-D</b></p> <p>Prerequisite: None            Open to: Grades 9-12            Length: 1 semester            Credits: 0.5            Course Number: AR1050</p>	<p>Art 3-D students will explore and learn the basic concepts in 3-Dimensional art. Students will employ the elements and principles of art and design through a sequential arrangement of lessons. Students will use a variety of media techniques and processes in drawing, painting, graphic design, and product design.</p>
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<p><b>DRAWING/PAINTING 1</b></p> <p>Prerequisite: Art 2D or Art 3D  Open to: Grades 9-12  Length: 1 semester  Credits: 0.5</p> <p>Course Number: AR1200</p>	<p>This course follows a sequential arrangement of units that encourages students to improve in their observational drawing skills, stylized mark-making, value and color theory. The drawing units provide a solid structure for learning to manipulate various painting media such as acrylics and watercolors. Each unit focuses on applicable elements and principles along with specific unit related vocabulary. Students are encouraged to search for individual approaches to techniques and applications and develop their artistic voice.</p>
<p><b>DIGITAL PHOTO/DESIGN 1</b></p> <p>Prerequisite: None  Open to: Grades 9-12  Length: 1 semester  Credits: 0.5</p> <p>Course Number: AR1300</p>	<p>In Digital Photo/Design 1, students will be introduced to black and white, and color photography. Students will explore personal imagery and digital imaging manipulation through the use of Photoshop. Students will employ the elements and principles of art and design through a sequential arrangement of lessons. The class will stress composition, lighting, camera use, photo editing and other related processes.</p>
<p><b>HONORS DRAWING/PAINTING STUDIO</b></p> <p>Prerequisite: Drawing/Painting 1  Open to: Grades 10-12  Length: 2 semesters  Credits: 1.0</p> <p>Course Number: AR2200</p>	<p>This course encourages students to approach different subject matters and 2D techniques in a way that builds their artistic voice and prepares them for AP Studio Art. Students will employ the elements and principles of art and design through sequential units focused on strengthening concepts and ideas. Students will explore composition, mark-making, painting techniques, and multi-media application.</p>
<p><b>DIGITAL PHOTO/DESIGN STUDIO</b></p> <p>Prerequisite: Digital Photo Design 1  Open to: Grades 10-12  Length: 2 semesters  Credits: 1.0</p> <p><b>May be repeated for HONORS CREDIT</b>  Course Number: AR2300</p>	<p>In Digital Photo/Design Studio, students will continue to explore Photoshop and personal imagery and artistic voice through the use of photography. Students will be introduced to Adobe Illustrator and graphic design. Students will employ the elements and principles of art and design through a sequential arrangement of lessons that prepares them for AP Studio Art. Students will explore composition, lighting, camera use, photo editing, digital illustration, graphic design, and digital imagery.</p>
<p><b>CERAMICS/SCULPTURE STUDIO</b></p> <p>Prerequisite: Art 2D and/or Art 3D  Open to: Grades 10-12  Length: 2 semesters  Credits: 1.0</p> <p><b>May be repeated for HONORS CREDIT</b>  Course Number: AR2100</p>	<p>In Ceramics/Sculpture Studio, students are encouraged to search for personal approaches and solutions to creating a visual statement and explore new approaches in design, ceramics, and sculpture. Students will create artwork infused with their own artistic voice and concepts that will prepare them for AP Studio Art.</p>

**METALS/JEWELRY STUDIO**

Prerequisite: Art 2D and/or Art 3D

Open to: Grades 10-12

Length: 2 semesters

Credits: 1.0

**May be repeated for HONORS CREDIT**

Course Number: AR2400

In this course students will continue to develop their skills in 3-Dimensional metal sculpting and jewelry fabrication. Students are encouraged to find unique approaches to techniques and develop a stronger understanding of their artistic voice through the use of the elements and principles of art and design. Students will also be exposed to advanced methods of working with a variety of metals and encouraged to think of multi-media applications. This class will prepare students for AP Studio Art.

**STEAM: PRODUCT DESIGN**

Prerequisite: Art 2-D and/or Art 3-D

Open to: Grades 10-12

Length: 2 semesters

Credits: 1.0

Course Number: AR2500

Create exciting new products using 3D modeling software and 3D printing. This course puts the "A" in STEAM: Science, Technology, Engineering, Art and Math. You will learn how to improve existing products and have the opportunity to create new products and prototypes that solve problems to improve the quality of our daily lives. This course will expose students to research and analysis, the design process, prototyping and model creation, teamwork and the global human impact of the products that surround us.

**AP STUDIO ART**

Prerequisite: Any Studio Level Art Class

Open to: Grades 11-12

Length: 2 semesters

Credits: 1.0

Course Number: AR5200

In AP Studio Art, students will use techniques and skills developed in the Studio course (**Drawing/Painting, Metals/Jewelry, Digital Photo, and Ceramics/Sculpture**) to create a body of work for their AP Portfolio. Students will work to develop a cohesive college-level series of work that interpret a major idea or concept while expressing technical ability.

*It is highly recommended that all students in an Advanced Placement course take the Advanced Placement Exam offered each May by the College Board.*

## BUSINESS EDUCATION

<b>COURSE</b>	<b>CREDIT</b>	<b>OPEN TO</b>	<b>PREREQUISITE</b>
Computer Applications	0.5	9-12	None
App Development and Coding	0.5	9-12	None
Computer Science Principles	1.0	10-12	Completion of Algebra 1 or Department recommendation
AP Computer Science A	1.0	10-12	AP Computer Science Principles or App Development and Coding
Personal Finance*	0.5	9-12	None
Business Law	0.5	9-12	None
Honors Business Incubator	1.0	10-12	None
Sports & Entertainment Marketing	0.5	10-12	None
Accounting	1.0	10-12	None
Technology Support Internship (TSI)	1.0	10-12	Application and department approval

\* This course satisfies the Consumer Education graduation requirement.

<p><b>COMPUTER APPLICATIONS</b></p> <p>Prerequisite: None            Open to: Grades 9-12            Length: 1 semester            Credits: 0.5</p> <p>Course Number: BU1200</p>	<p>In Computer Applications, students will improve computer literacy by learning software that will help with schoolwork and beyond. It will include formal instruction in Microsoft Office, which includes Word, Excel, PowerPoint, and Publisher. Students will also apply what they learn in Microsoft Office to Google applications such as docs, spreadsheets, and presentations. Keyboarding practice is also included in coursework.</p>
<p><b>APP DEVELOPMENT AND CODING</b></p> <p>Prerequisite: None            Open to: Grades 9-12            Length: 1 semester            Credits: 0.5</p> <p>Course Number: CS1600</p>	<p>Do you want to develop a real app that you can use on your smart phone? APP Development and Coding is an introduction to coding that gives you the foundation for future success in computer science. Students will learn basic web design, develop simple game apps with Game Lab, create real Android or iOS app and use python to program NAO, our 2-foot tall robot.</p>
<p><b>AP COMPUTER SCIENCE PRINCIPLES</b></p> <p>Prerequisite: A or B in Algebra 2 and Visual BASIC</p>	<p>How does the internet actually work? How can cybersecurity protect me? How do I create an app using Javascript? The AP Computer Science Principles class introduces computer science by studying the internet, big data, cryptography and</p>

<p>Programming  Open to: Grades 10-12  Length: 2 semesters  Credits: 1.0</p> <p>Course Number: CS5000</p>	<p>building Javascript apps.</p> <p><i>It is highly recommended that all students in an Advanced Placement course take the Advanced Placement exam offered each May by the College Board.</i></p>
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<p><b>AP COMPUTER SCIENCE A</b></p> <p>Prerequisite: AP Computer Science Principles recommended and/or App Development and Coding  Open to: Grades 10-12  Length: 2 semesters  Credits: 1.0</p> <p>Course Number: BU5000</p>	<p>Students will learn a powerful object oriented programming language called Java by developing desktop and Android applications. The tools to create these apps are used by real Java programmers. This course covers material offered in a first computer science course at the college level, and is recommended for</p> <p><i>It is highly recommended that all students in an Advanced Placement course take the Advanced Placement exam offered each May by the College Board.</i></p>
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<p><b>PERSONAL FINANCE</b></p> <p>Prerequisite: None  Open to: Grades 9-12  Length: 1 semester  Credits: 0.5</p> <p>This course satisfies the Consumer Education graduation requirement.</p> <p>Course Number: BU1000</p>	<p>Want to be wealthy? No matter what career you choose this course provides practical tools to understand and manage your money to achieve financial success. Discover how millionaires think, why insurance for teenagers is so expensive, how compound interest can help turn a small investment into BIG money and much, much more. Learn consumer skills, budgeting, investing and gain an understanding of the forces in our economy.</p>
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<p><b>BUSINESS LAW</b></p> <p>Prerequisite: None  Open to: Grades 9-12  Length: 1 semester  Credits: 0.5</p> <p>Course Number: BU1100</p>	<p>In Business Law, students will gain practical knowledge of the law that applies to your everyday life or to any career in the area of business. Topics include tort law, white collar crime, contract law, employment law, discrimination, warranties, product liability, housing, and legal forms of business ownership. Students will perform roles of attorneys and witnesses in mock trials, participate in debates and examine cases.</p>
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<p><b>HONORS BUSINESS INCUBATOR</b></p> <p>Prerequisite: None  Open to: Grades 10-12  Length: 2 semesters  Credits: 1.0</p> <p>Course Number: BU3200</p>	<p>In Honors Business Incubator, students will learn about becoming true entrepreneurs. Students will have the opportunity to create and fully develop their own product or service. Real-world entrepreneurs and business experts will serve as coaches and mentors guiding student teams through the process of ideation, market research, and business plan development. Over the course of the semester, student teams will learn about marketing, accounting, human resources, as well as the legal aspects of running a business to get them geared up for Pitch Week.</p>
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	<p>Pitch Week helps to further fire the entrepreneurial spirit by putting student teams in front of actual investors to pitch their innovative idea and possibly win funding to turn their business plans into reality during the summer and following school year.</p>
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<p><b>SPORTS &amp; ENTERTAINMENT MARKETING</b></p> <p>Prerequisite: None  Open to: Grades 10-12  Length: 1 semester  Credits: 0.5</p> <p>Course Number: BU2300</p>	<p>In Sports &amp; Entertainment Marketing, students will learn about the fastest growing segment of business in our economy today. Sports and Entertainment marketing will give you a basic understanding of the behind-the-scenes skills and techniques used in these highly lucrative fields.</p>
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<p><b>ACCOUNTING</b></p> <p>Prerequisite: None  Open to: Grades 10-12  Length: 2 semesters  Credits: 1.0</p> <p>Articulated Credit with CLC*</p> <p>Course Number: BU2000</p>	<p>In Accounting, students will learn financial analysis and decision-making skills that will assist them in future studies and career opportunities in business. They will learn basic accounting principles and procedures that are applied to business transactions. Students will record transactions and prepare basic reports, such as, balance sheets and income statements. Microsoft Excel is integrated into the curriculum throughout the course.</p>
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<p><b>TECHNOLOGY SUPPORT INTERNSHIP (TSI)</b></p> <p>Prerequisite: Application and Department approval  Open to: Grades: 10-12  Length: 2 semesters  Credits: 1.0</p> <p>(1 semester for 0.5 credit with departmental approval)</p> <p>Course Number: BU3100</p>	<p>In TSI, students will serve as the primary provider of technical support for the school. This hands-on course will train students in customer service, provide students with the skills necessary to troubleshoot and repair Chromebook, classroom, and other technical problems, and utilize professional data tracking software. Through TSI, students will gain an understanding of how a help desk functions and the role of customer service in today’s growing world of technology. In addition, students are required to earn certifications often sought by employers in technical career fields including CompTIA A+, and MOS (Microsoft Office Specialist).</p> <p>The TSI help desk is operational 30 minutes before and after school and all TSI students will be required to work approximately 6 times per term outside of school hours.</p>
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\*Articulated credit is an agreement with CLC for certain classes at MHS. If a student receives an “A” or “B” in an articulated credit course, they will be able to waive the corresponding class at CLC and will automatically move on to the next course level.

## ENGLISH

<b>COURSE</b>	<b>CREDIT</b>	<b>OPEN TO</b>	<b>PREREQUISITE</b>
English 1	1.0	9	Department recommendation
Honors English 1	1.0	9	Department recommendation
English 2	1.0	10	English 1
Honors English 2	1.0	10	English 1 or Honors English 1
English 3	1.0	11	English 2
Honors English 3	1.0	11	English 2 or Honors English 2
English 4	1.0	12	English 3 and Department/Case Manager recommendation
Honors English 4	1.0	12	English 3 or Honors English 3
AP English Lang. & Comp.	1.0	11-12	English 2 or Honors English 2
AP English Literature	1.0	12	English 3, Honors English 3 or AP English Language
Composition	0.5	11-12	None
Latino Literature	0.5	10-12	None
Science Fiction & Fantasy	0.5	9-12	None
Creative Writing	0.5	10-12	None
Mythology	0.5	9-12	None
Speech	0.5	10-12	None
Film as Literature	0.5	10-12	None
Journalism: News in the 21st Century*	1.0	9-12	None
Journalism: Yearbook & Photojournalism*	1.0	9-12	None
Emerging ESL	1.0	9-12	ACCESS/WAPT placement and department recommendation
Developing ESL	1.0	9-12	Emerging ESL or department recommendation
Bridging ESL	1.0	9-12	Developing ESL or department recommendation

\*These courses may be repeated for Honors Credit.

Some English classes require the purchase of one or two novels. Students who qualify for a MHS fee waiver will have the cost of these materials waived.



<p><b>ENGLISH 1</b></p> <p>Prerequisite: Department recommendation  Open to: Grade 9  Length: 2 semesters  Credits: 1.0</p> <p>Course Number: EN1100, EN1030, EN1200</p>	<p>Students will use an inquiry-based approach to interact with a wide range of thematic units. Building from a variety of fiction and non-fiction texts, students will further develop critical thinking while reading, writing, speaking/listening, and researching unit topics. Writing will be emphasized in narrative, expository, and argumentative works. Research will focus on gathering and assessing relevant information from multiple authoritative print and digital sources.</p>
<p><b>HONORS ENGLISH 1</b></p> <p>Prerequisite: Department recommendation  Open to: Grade 9  Length: 2 semesters  Credits: 1.0</p> <p>Course Number: EN1900</p>	<p>Honors English 1 students complete work with rigor that encourages further depth of learning. Students will use an inquiry-based approach to interact with a wide range of thematic units. Building from a variety of fiction and non-fiction texts, students will further develop critical thinking while reading, writing, speaking/listening, and researching unit topics. Writing will be emphasized in narrative, expository, and argumentative works. Research will focus on gathering and assessing relevant information from multiple authoritative print and digital sources.</p>
<p><b>ENGLISH 2</b></p> <p>Prerequisite: English 1  Open to: Grade 10  Length: 2 semesters  Credits: 1.0</p> <p>Course Number: EN2100, EN2030, EN2200</p>	<p>Students will use an inquiry-based approach to interact with a wide range of thematic units. Building from a variety of fiction and non-fiction texts, students will further develop critical thinking while reading, writing, speaking/listening, and researching unit topics. Writing will be emphasized in narrative, expository, and argumentative works. Research will focus on synthesizing relevant sources to answer research questions.</p>
<p><b>HONORS ENGLISH 2</b></p> <p>Prerequisite: English 1 or Honors English 1  Open to: Grade 10  Length: 2 semesters  Credits: 1.0</p> <p>Course Number: EN2900</p>	<p>Honors English 2 students complete work with rigor that encourages further depth of learning. Students will use an inquiry-based approach to interact with a wide range of thematic units. Building from a variety of fiction and non-fiction texts, students will further develop critical thinking while reading, writing, speaking/listening, and researching unit topics. Writing will be emphasized in narrative, expository, and argumentative works. Research will focus on synthesizing relevant sources to answer research questions.</p>
<p><b>ENGLISH 3</b></p> <p>Prerequisite: English 2  Open to: Grade 11  Length: 2 semesters  Credits: 1.0</p> <p>Course Number: EN3100, EN3030, EN3200</p>	<p>Students will use an inquiry-based approach to interact with a wide range of thematic units. Building from a variety of fiction and non-fiction texts, students will further develop critical thinking while reading, writing, speaking/listening, and researching unit topics. Writing will be emphasized in narrative, expository, and argumentative works. Research will focus on writing arguments to support claims in an analysis of substantive topics or texts, using valid reasoning and relevant and sufficient evidence.</p>

<p><b>HONORS ENGLISH 3</b></p> <p>Prerequisite: English 2 or Honors English 2  Open to: Grade 11  Length: 2 semesters  Credits: 1.0</p> <p>Course Number: EN3900</p>	<p>Honors English 3 students complete work with rigor that encourages further depth of learning. Students will use an inquiry-based approach to interact with a wide range of thematic units. Building from a variety of fiction and non-fiction texts, students will further develop critical thinking while reading, writing, speaking/listening, and researching unit topics. Writing will be emphasized in narrative, expository, and argumentative works. Research will focus on writing arguments to support claims in an analysis of substantive topics or texts, using valid reasoning and relevant and sufficient evidence.</p>
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<p><b>ENGLISH 4</b></p> <p>Prerequisite: English 3 and Department/Case Manager recommendation  Open to: Grade 12  Length: 2 semesters  Credits: 1.0</p> <p>Course Number: EN4030</p>	<p>Students will engage in reading and writing challenges tailored to assist them in reaching their post-secondary academic and career goals. The class emphasizes research methods for obtaining the necessary information, along with the development of a written career plan, letter of application, and resume. Field trips and guest speakers enhance this course and provide the students with real life transition experiences.</p>
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<p><b>HONORS ENGLISH 4</b></p> <p>Prerequisite: English 3 or Honors English 3  Open to: Grade 12  Length: 2 semesters  Credits: 1.0</p> <p>Course Number: EN4900</p>	<p>Honors English 4 students complete work with rigor that encourages further depth of learning. Students will explore how authors create effective arguments and craft meaning for their readers through the study of various fiction and nonfiction texts. Students will write narrative, expository, and argumentative pieces with a primary focus on argumentation and synthesis of ideas.</p>
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<p><b>AP ENGLISH LANGUAGE AND COMPOSITION</b></p> <p>Prerequisite: English 2 or Honors English 2  Open to: Grades 11-12  Length: 2 semesters  Credits: 1.0</p> <p>Course Number: EN5000</p>	<p>AP English Language and Composition is designed for students who are ready to explore how authors' create effective arguments and introduce new perspectives to others. This involves the study of mostly nonfiction articles, essays, speeches, and other arguments that play a central role in society. Rhetorical analysis, synthesis of ideas, and argumentation are emphasized in this college-level course.</p> <p><i>It is highly recommended that all students in an Advanced Placement course take the Advanced Placement Exam offered each May by the College Board.</i></p>
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<p><b>AP ENGLISH LITERATURE</b></p> <p>Prerequisite: English 3 or Honors English 3  Open to: Grade 12  Length: 2 semesters  Credits: 1.0</p> <p>Course Number: EN5100</p>	<p>AP English Literature and Composition is designed as a college level class for students wishing to explore how the author's craft creates meaning for the reader. This involves the study of novels, poems, short stories, and other literature. Extensive written analysis and sophisticated understanding of the readings are required.</p> <p><i>It is highly recommended that all students in an Advanced Placement course take the Advanced Placement Exam offered each May by the College Board.</i></p>
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<p><b>COMPOSITION</b></p> <p>Prerequisite: None  Open to: Grades 11- 12  Length: 1 semester  Credits: 0.5</p> <p>Course Number: EN6200</p>	<p>Composition involves the study of writing for a variety of college and career opportunities. Students examine how an understanding of audience and purpose in writing creates authentic communication. Students will write several papers in various genres throughout the term to develop their writing skills.</p> <p>This course meets ½ of the senior year English requirement when taken during senior year.</p>
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<p><b>LATINO LITERATURE</b></p> <p>Prerequisite: None  Open to: Grades 10- 12  Length: 1 semester  Credits: 0.5</p> <p>Course Number: EN7600</p>	<p>Latino Literature involves the study of the messages and methods of Latino authors from the Americas. This course explores the essential questions: “What are the similarities between various authors of Latin American descent?” and “How does studying Latin American literature give us a different perspective on American values and/or literature?” Building from a variety of fiction and non-fiction texts, students will further develop critical thinking through reading, writing, speaking/listening, and researching unit topics.</p> <p>This course meets ½ of the senior year English requirement when taken during senior year.  This course is taught in English.</p>
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<p><b>SCIENCE FICTION AND FANTASY</b></p> <p>Prerequisite: None  Open to: Grades 9- 12  Length: 1 semester  Credits: 0.5</p> <p>Course Number: EN6500</p>	<p>Science Fiction and Fantasy involves the study of the messages and methods of science fiction and fantasy authors. This course explores the essential questions: “What constitutes quality science fiction/fantasy literature?” and “How does a specific text represent the author’s day and time?” Building from a variety of fiction and non-fiction texts, students will further develop critical thinking through reading, writing, speaking/listening, and researching unit topics.</p> <p>This course meets ½ of the senior year English requirement when taken during senior year.</p>
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<p><b>CREATIVE WRITING</b></p> <p>Prerequisite: None  Open to: Grades 10- 12  Length: 1 semester  Credits: 0.5</p> <p>Course Number: EN6300</p>	<p>Creative writing is designed to teach students to use the tools of great creative authors in their own writing. This course explores the essential question: “How can I find meaning from a creative piece?” Students will read and write extensively as they develop their writing skills.</p> <p>This course meets ½ of the senior year English requirement when taken during senior year.</p>
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<p><b>MYTHOLOGY</b></p> <p>Prerequisite: None  Open to: Grades 9- 12  Length: 1 semester</p>	<p>Mythology involves the study of the messages and methods of myths in human societies. This course explores the essential questions: “Is the study of mythology necessary as a modern individual?” and “Do modern myths, tales, and legends accomplish the same purpose as ancient myths,</p>
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<p>Credits: 0.5</p> <p>Course Number: EN6800</p>	<p>stories, and legends?” Building from a variety of fiction and non-fiction texts, students will further develop critical thinking through reading, writing, speaking/listening, and researching unit topics.</p> <p>This course meets ½ of the senior year English requirement when taken during senior year.</p>
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<p><b>SPEECH</b></p> <p>Prerequisite: None</p> <p>Open to: Grades 10- 12</p> <p>Length: 1 semester</p> <p>Credits: 0.5</p> <p>Course Number: EN6900</p>	<p>Speech is designed to familiarize students with the tools of effective public and group speaking. It emphasizes preparation and clarity strategies beneficial for all students, regardless of their beginning comfort with speaking in front of a group. This course explores the essential questions: “What factors contribute to the effective sending and receiving of messages?” and “What does a communicator need to know about his/her audience in order to communicate effectively?” Students will need to plan extensively, write speech outlines, and deliver speeches during this course. Students will be audio and video recorded as part of the curriculum.</p> <p>This course meets ½ of the senior year English requirement when taken during senior year</p>
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<p><b>FILM AS LITERATURE</b></p> <p>Prerequisite: None</p> <p>Open to: Grades 10- 12</p> <p>Length: 1 semester</p> <p>Credits: 0.5</p> <p>Course Number: EN6600</p>	<p>Film as Literature involves the study of artistry and trends in the world of film. This course explores the essential questions: “Is film truly art?” and “Does film make a difference in society?” Building from a variety of texts and movies, students will further develop critical thinking through reading, writing, speaking/listening, and researching unit topics.</p> <p>This course meets ½ of the senior year English requirement when taken during senior year.</p>
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<p><b>JOURNALISM: NEWS IN THE 21st CENTURY</b></p> <p>Prerequisite: None</p> <p>Open to: Grades 9- 12</p> <p>Length: 2 semesters</p> <p>Credits: 1.0</p> <p>May be repeated for Honors Credit.</p> <p>Course Number: EN7300</p>	<p>Learn how to track down and investigate interesting, real-life stories, including breaking news, human interest articles and sports stories relevant to the MHS community. Conduct live interviews and then report your findings in writing through print, online publication, and social media. You’ll also learn how to enhance these stories with photographs and graphic design techniques to produce the school’s newspaper, <i>The Mustang</i>. This class will prepare you for careers in journalism, communications, photography, graphic design, public relations, and marketing. This is a two-semester class. Those who have accepted an editor position should plan on taking the course for the entire year. This course does not fulfill an English requirement towards graduation.</p>
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<p><b>JOURNALISM:YEARBOOK/ PHOTOJOURNALISM</b></p>	<p>Learn how to capture the significant moments of the MHS school year that your friends and family will treasure for the</p>
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<p>Prerequisite: None  Open to: Grades 9- 12  Length: 2 semesters  Credits: 1.0</p> <p>May be repeated for Honors Credit.</p> <p>Course Number: EN7400</p>	<p>rest of their lives while producing the yearbook <i>The Obelisk</i>. This class will teach you the basics of photojournalism, journalism, graphic design, and marketing. Yearbook/Photojournalism will prepare you for careers in journalism, communications, photography, graphic design, public relations and marketing. This is a two-semester class. Those who have accepted an editor position should plan on taking the course for the entire year. This course does not fulfill an English requirement toward graduation.</p>
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<p><b>EMERGING ESL</b></p> <p>Prerequisite: ACCESS/WAPT Placement and Department recommendation  Open to: Grades 9- 12  Length: 2 semesters  Credits: 1.0</p> <p>Course Number: EN2500</p>	<p>English language learners will process, understand, produce or use:</p> <ul style="list-style-type: none"> <li>- general language related to the content areas</li> <li>- phrases or short sentences</li> <li>- oral or written language with phonological, syntactic, or semantic errors that often impede the meaning of the communication when presented with one- to multiple-step commands, directions, questions, or a series of statements with sensory, graphic or interactive support.</li> </ul>
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<p><b>DEVELOPING ESL</b></p> <p>Prerequisite: Emerging ESL or Department recommendation  Open to: Grades 9- 12  Length: 2 semesters  Credits: 1.0</p> <p>Course Number: EN3500</p>	<p>English language learners will process, understand, produce or use:</p> <ul style="list-style-type: none"> <li>- general and specific language of the content areas</li> <li>- expanded sentences in oral interactions or written paragraphs</li> <li>- oral or written language with phonological, syntactic, or semantic errors that may impede the communication, but retain much of its meaning, when presented with oral communication, narrative or expository or expository descriptions with sensory, graphic or interactive support.</li> </ul>
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<p><b>BRIDGING ESL</b></p> <p>Prerequisite: Developing ESL or Department recommendation  Open to: Grades 9- 12  Length: 2 semesters  Credits: 1.0</p> <p>Course Number: EN4500</p>	<p>English language learners will process, understand, produce or use:</p> <ul style="list-style-type: none"> <li>- specialized or technical language of the content area</li> <li>- a variety of sentence lengths of varying linguistic complexity in extended oral or written discourse, including stories, essays or reports</li> <li>- oral or written language approaching comparability to that of proficient English peers when presented with grade level material.</li> </ul> <p>The Bridging ESL curriculum is aligned with the English 1 curriculum.</p>
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**FLOW CHART OF ESL/BILINGUAL COURSE OFFERINGS**

<b>ELL SUPPORT</b>	<b>ENGLISH</b>	<b>SOCIAL STUDIES</b>	<b>MATH</b>	<b>SCIENCE</b>
ESL Academic Support	Emerging	ESL Cultural Literacy	Algebra 1*	Biology*
ESL Academic Support	Developing	World Studies*	Geometry*	Chemistry*
ESL Academic Support	Bridging (Aligned with English 1)	U.S. History*	Algebra 2*	Physics*
Academic Support	English 2	Government & Economics**		

**All content area courses will address and assess language standards in reading, writing, listening, and speaking.**

**\*Offered as Bilingual class**

**\*\*Offered as Sheltered English Instruction/Push-In or Bilingual**

## FAMILY AND CONSUMER SCIENCES

<b>COURSE</b>	<b>CREDIT</b>	<b>OPEN TO</b>	<b>PREREQUISITE</b>
Clothing	0.5	9-12	None
Child Development	0.5	10-12	None
Food and Nutrition	0.5	11-12	None

<p><b>CLOTHING</b></p> <p>Prerequisite: None            Open to: Grades 9-12            Length: 1 semester            Credits: 0.5</p> <p>Course Number: FC1000</p>	<p>In Clothing, students will investigate the basics of fashion, design and sewing techniques. Fashion studies include an overview of the historical influence on current clothing styles; the effect of the principles of design on personal appearance, and the impact of the global fashion industry on personal clothing choices. Emphasis will be placed on the basic machine and hand sewing skills necessary to design and complete required fashion construction projects.</p>
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<p><b>CHILD DEVELOPMENT</b></p> <p>Prerequisite: None            Open to: Grades 10-12            Length: 1 semester            Credits: 0.5</p> <p>Course Number: FC2200</p>	<p>In Child Development, students will investigate current issues affecting children and families including conception, pregnancy, prenatal development and the birth of a child. An in-depth evaluation of a child's physical, social, emotional and intellectual development is conducted from birth through the preschool years. Students enrolled in this course will have the opportunity to participate in the Empathy Belly and Baby Think It Over simulation experiences.</p>
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<p><b>FOOD AND NUTRITION</b></p> <p>Prerequisite: None            Open to: Grades 11-12            Length: 1 semester            Credits: 0.5</p> <p>Course Number: FC2100</p>	<p>In Food and Nutrition, students will learn the foundations of healthful eating and nutrition. This knowledge will be incorporated into the preparation of a variety of recipes that fit within the guidelines of MyPlate.gov. Recipes will include a variety of fruits, vegetables, whole grains and healthy proteins. This course will also emphasize proper sanitation, food preparation skills, including knife skills and safety and will prepare students to make healthy food choices in their daily lives.</p>
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## INDUSTRIAL TECHNOLOGY

<b>COURSE</b>	<b>CREDIT</b>	<b>OPEN TO</b>	<b>PREREQUISITE</b>
Industrial Technology	0.5	9-12	None
Building Trades	1.0	10-12	Industrial Technology

<p><b>INDUSTRIAL TECHNOLOGY</b></p> <p>Prerequisite: None Open to: Grades 9-12 Length: 1 semester Credits: 0.5</p> <p>Course Number: IT1100</p>	<p>Industrial Technology will expose students to a variety of power hand tools and floor machinery geared towards woodworking and manufacturing. Students will incorporate math and science in the design process and construction of several required projects. This course is a great start into several Programs of Study: Engineering, Manufacturing, Building Trades, etc.</p>
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<p><b>BUILDING TRADES</b></p> <p>Prerequisite: Industrial Technology Open to: Grades 10-12 Length: 2 semesters Credits: 1.0</p> <p>Course Number: IT2100</p>	<p>Building Trades is an introduction to residential construction practices. Fundamentals of planning, layout, foundations, and rough framing are taught in theory and through the construction of a model home built inside the Shop Lab. Students will also develop their reading, writing, mathematics, and communication skills.</p>
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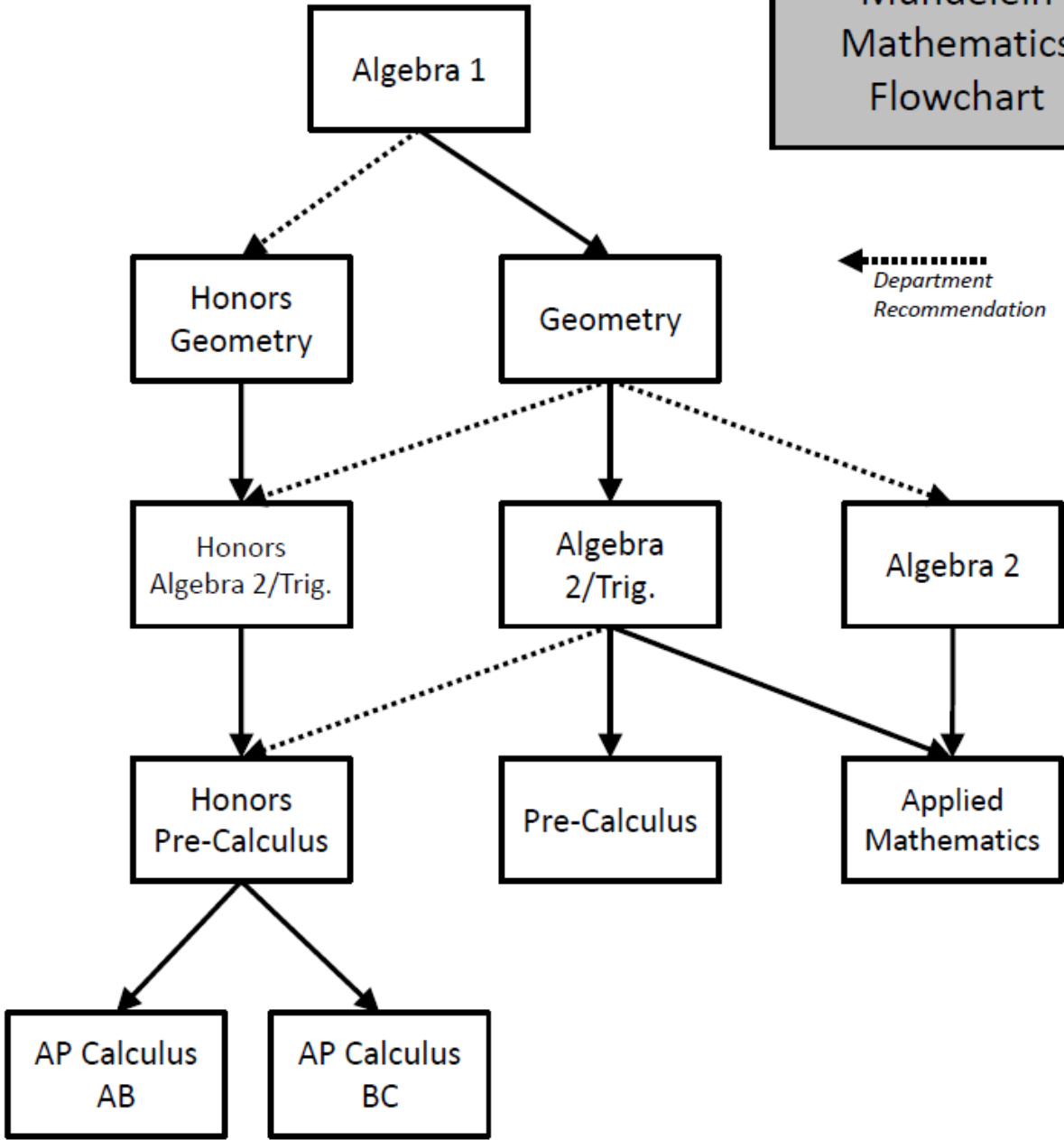


## MATH

<b>COURSE</b>	<b>CREDIT</b>	<b>OPEN TO</b>	<b>PREREQUISITE</b>
Principles of Math A	1.0	9-10	Case manager recommendation
Principles of Math B	1.0	9-10	Case manager recommendation
Introduction to Algebra C & D	1.0	9-12	Case manager recommendation
Consumer Math*	1.0	10-12	Department recommendation
Algebra 1	1.0	9-12	Department recommendation
Geometry	1.0	9-12	Algebra 1
Honors Geometry	1.0	9-10	Department recommendation
Algebra 2	1.0	10-12	Geometry
Algebra 2/Trig.	1.0	10-12	Geometry
Honors Algebra 2/Trig.	1.0	9-11	Honors Geometry or Department recommendation
Applied Mathematics	1.0	11-12	Algebra 2
Pre-Calculus	1.0	11-12	Advanced Algebra and Trigonometry or Department recommendation
Honors Pre-Calculus	1.0	9-12	Honors Algebra 2/Trig. or Advanced Algebra and Trigonometry
Probability and Statistics	1.0	11-12	Geometry
AP Statistics	1.0	10-12	Probability and Statistics, Advanced Algebra and Trigonometry, or Honors Algebra 2
AP Calculus AB	1.0	10-12	Honors Pre-Calculus
AP Calculus BC	1.0	10-12	Honors Pre-Calculus

\*This course satisfies the Consumer Education Graduation requirement.

Mundelein  
Mathematics  
Flowchart



Statistics Courses

Course	Prerequisite
Probability & Statistics	Geometry
AP Statistics	Probability and Statistics or Honors Algebra 2/Trig

*As long as the prerequisite is met, these courses may be taken concurrently with other math courses.*

<p><b>PRINCIPLES OF MATH A</b></p> <p>Prerequisite: Department recommendation  Open to: Grade 9-10  Length: 2 semesters  Credits: 1.0</p> <p>Course Number: MA0100</p>	<p><b>(Math 180 Course 1 Blocks 1-5)</b></p> <p>This class is designed for students who need to build numerical understanding and reasoning skills. It will focus on key foundation concepts that enable students to make connections while learning to think algebraically. Techniques will be learned to help multiply and divide one-digit, two-digit, and three-digit numbers. An introduction to fractions will be presented, including adding and subtracting fractions and/or mixed numbers with different denominators. A calculator is recommended for the course.</p> <p>(BLOCKS) Multiplicative Thinking, The Distributive Property, Division, Fraction Concepts, Fraction Relationships</p>
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<p><b>PRINCIPLES OF MATH B</b></p> <p>Prerequisite: Department recommendation  Open to: Grade 9-10  Length: 2 semesters  Credits: 1.0</p> <p>Course Number: MA0200</p>	<p><b>(Math 180 Course 1 Blocks 5-9)</b></p> <p>This class is designed to continue to build the algebraic skills used with fractions. Techniques will be learned to help students multiply and divide whole numbers with fractions and mixed numbers. Visual products will be created to help represent the questions being asked. Students will then use many of the same skills (addition, multiplication, etc.) with decimals. To conclude the class, expressions with negative numbers will be solved. A calculator is recommended for the course.</p> <p>(BLOCKS) Fraction Relationships, Fraction Multiplication and Division, Decimals and Place Value, Decimal Operations, Both Sides of Zero.</p>
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<p><b>INTRODUCTION TO ALGEBRA C &amp; D</b></p> <p>Prerequisite: Department recommendation  Open to: Grade 9-12  Length: 2 semesters  Credits: 1.0</p> <p>Course Number: MA0320</p>	<p><b>(Math 180 Course 2 Blocks 1-9)</b></p> <p>This class is designed to build pre-algebra skills through learning strategies, not memorizing. Students will have the ability to solve rate and ratio problems through the demonstration of visual representations. When exploring percentages, students will use additional visual representations (such as the double number-line) to compare the percentage to the whole. This class is designed to build pre-algebra skills through the use of variables and graphing. By graphing, the students will build visual representations when solving for functions and linear relationships. Additionally, alternate strategies will be used to help students solve multi-step equations. The equation-solving process will be vital as students continue through their algebra and geometry classes. A calculator is recommended for the course.</p> <p>(BLOCKS) Rates in Time, Rate and Ratio, Ratio Relationships, Percent and Proportional Reasoning, Proportional Relationships, Linear Relationships, Graphs in the Plane, Functions, Systems of Equations</p>
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<p><b>CONSUMER MATH</b></p> <p>Prerequisite: Department recommendation  Open to: Grade 10-12</p>	<p>Consumer Math is designed to meet the needs of students to develop abilities to make rational and informed decisions to lead successful lives in an independent world. It explains how to use mathematics in everyday situations</p>
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<p>Length: 2 semesters Credits: 1.0</p> <p>*This course satisfies the Consumer Education Graduation requirement.</p> <p>Course Number: MA4030</p>	<p>involving money: salaries, purchases, credit, loans, household and personal expenses, car buying, insurance, savings, investments, retirement, etc. Whether it's balancing a checkbook, figuring sales commissions, or calculating how much extra it really costs to buy on credit. The concepts covered in this course can help anyone make the calculations quickly, easily, and accurately. This class satisfies the state requirement for Consumer Education</p>
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<p><b>ALGEBRA 1</b></p> <p>Prerequisite: Department recommendation Open to: Grades 9-12 Length: 2 semester Credits: 1.0</p> <p>Course Number: MA1030, MA1100, MA1200, MA1500</p>	<p>Algebra 1 is a first year algebra course designed for students to develop the basic terminology, skills, and concepts of algebra. Students will learn about linear, quadratic, and exponential functions by manipulating expressions, solving equations, and graphing. Inequalities, systems of equations, word problems, and applications will also be studied throughout the course. This course is aligned to the Common Core State Standards for Math. A graphing calculator is suggested. This course is also offered in a bilingual (Spanish) format.</p>
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<p><b>GEOMETRY</b></p> <p>Prerequisite: Algebra 1 Open to: Grades 9-12 Length: 2 semesters Credits: 1.0</p> <p>Course Number: MA3030, MA3100, MA3200, MA3500</p>	<p>In this course, students will study transformational geometry to extend their knowledge of the geometry skills introduced in previous courses. Topics such as congruence, similarity, circles, and trigonometry will be studied. Deductive or logical reasoning, basic constructions and investigations will be used to prove ideas about the shapes and figures in the world. This course is aligned to the Common Core State Standards for Math. A graphing calculator is suggested. This course is also offered in a bilingual (Spanish) format</p>
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<p><b>HONORS GEOMETRY</b></p> <p>Prerequisite: Department recommendation Open to: Grades 9-10 Length: 2 semesters Credits: 1.0</p> <p>Course Number: MA3900</p>	<p>Students in Honors Geometry will study all of the major topics from the Geometry curriculum at an accelerated pace. Extensions to the content will be made to include advanced constructions, transformations, and proofs. Advanced algebra topics will be infused throughout the course. This course is aligned to the Common Core State Standards for Math. A graphing calculator is suggested.</p>
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<p><b>ALGEBRA 2</b></p> <p>Prerequisite: Geometry Open to: Grades: 10-12 Length: 2 semesters Credits: 1.0</p> <p>Course Number: MA2030. MA2100, MA2200, MA2500</p>	<p>In Algebra 2, basic algebra concepts are reviewed and expanded to include such topics as complex numbers, advanced polynomial equations, rational functions, powers, roots, and radicals. Successful completion of this course will prepare students for Advanced Algebra and Trigonometry. This course is aligned to the Common Core State Standards for Math. A graphing calculator is suggested.</p>
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<p><b>ALGEBRA 2/TRIG.</b></p> <p>Prerequisite: Geometry  Open to: Grades 10-12  Length: 2 semesters  Credits: 1.0</p> <p>Course Number: MA2300</p>	<p>In Algebra 2/Trig. students will take a more in-depth look at the topics learned in Algebra 2. Logarithms, conics, sequences and series will be studied, as well as a deep investigation into trigonometric functions, identities, equations and their graphs. Successful completion of this course will prepare students for an entry level college course, as well as Honors Pre-Calculus. This course is aligned to the Common Core State Standards for Math. A graphing calculator is suggested.</p>
<p><b>HONORS ALGEBRA 2/TRIG.</b></p> <p>Prerequisite: Honors Geometry or Department recommendation  Open to: Grades 9-11  Length: 2 semesters  Credits: 1.0</p> <p>Course Number: MA2900</p>	<p>In Honors Algebra 2/Trig., advanced topics in algebra and trigonometry will be studied at an accelerated pace. Students will investigate such topics as complex numbers, advanced polynomial equations, rational functions, powers, roots, radicals, logarithms, conics, sequences and series. Trigonometric topics will include identities, solving equations, graphing, and oblique triangles. Successful completion of this course will prepare students for Honors Pre-Calculus. This course is aligned to the Common Core State Standards for Math. A graphing calculator is required.</p>
<p><b>APPLIED MATHEMATICS</b></p> <p>Prerequisite: Algebra 2  Open to: Grades 11-12  Length: 2 semesters  Credits: 1.0</p> <p>Course Number: MA4600</p>	<p>This course is designed for students who are college bound, interested in majoring in fields that do not require continued mathematics. Students will investigate mathematics as it is applied in the real world. Students will build on their algebra and geometry skills, emphasizing problem solving. Additional topics will include trigonometry, probability, statistics, matrices, finance, graph theory, and more. A graphing calculator is suggested</p>
<p><b>PRE-CALCULUS</b></p> <p>Prerequisite: Advanced Algebra and Trigonometry  Open to: Grades 11-12  Length: 2 semesters  Credits: 1.0</p> <p>Course Number: MA4700</p>	<p>Pre-Calculus is designed as a typical fourth course for college-bound students. A heavy emphasis is placed on the analysis of functions which includes polynomial, rational, piecewise, exponential, logarithmic, and trigonometric. Other topics include matrices, graphing of functions, sequences, series, conics, and additional applications of Trigonometry. A graphing calculator is suggested.</p>
<p><b>HONORS PRE-CALCULUS</b></p> <p>Prerequisite: Honors Algebra 2/Trig. or Advanced Algebra and Trigonometry  Open to: Grades 9-12  Length: 2 semesters  Credits: 1.0</p> <p>Course Number: MA4900</p>	<p>Honors Pre-Calculus is the preparatory course for Calculus. It is the culmination of the study of elementary functions, trigonometry, and analytical geometry. It also contains the calculus topics of continuity, limits, and derivatives. Successful completion of this course will prepare students for AP Calculus B or BC. A graphing calculator is required.</p>

<p><b>PROBABILITY AND STATISTICS</b></p> <p>Prerequisite: Geometry  Open to: Grades 11-12  Length: 2 semesters  Credits: 1.0</p> <p>Course Number: MA6000</p>	<p>Probability and Statistics is an introductory course with an emphasis on science, social science, and leisure applications. Major topics include basic probability, summarizing data with descriptive statistics, and using sample statistics to make inferences about a larger population. This course will be useful for students planning to study disciplines relying heavily on statistical data analysis, such as mathematics, science, medicine, sociology, psychology, education, economics, political science, and business. A graphing calculator is required.</p>
<p><b>AP STATISTICS</b></p> <p>Prerequisite: Probability and Statistics or Honors Algebra 2/Trig.  Open to: Grades 10-12  Length: 2 semesters  Credits: 1.0</p> <p>Once a prerequisite course is completed, this course may be taken concurrently with other math courses.</p> <p>Course Number: MA5200</p>	<p>AP Statistics introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students will be exposed to exploring data, sampling and experimentation, anticipating patterns, and statistical inference. A graphing calculator is required.</p> <p><i>*It is highly recommended that all students in an Advanced Placement course take the Advanced Placement Exam offered each May by the College Board.</i></p>
<p><b>AP CALCULUS AB</b></p> <p>Prerequisite: Honors Pre-Calculus  Open to: Grades 10-12  Length: 2 semesters  Credits: 1.0</p> <p>Course Number: MA5000</p>	<p>AP Calculus AB includes the following curriculum : the development of limits, derivatives, integrals of all functions, curve sketching, related rates, continuity, areas under curves, volumes, maximums, minimums, optimizations, and mean value theorem. A graphing calculator is required.</p> <p><i>*It is highly recommended that all students in an Advanced Placement course take the Advanced Placement Exam offered each May by the College Board.</i></p>
<p><b>AP CALCULUS BC</b></p> <p>Prerequisite: Honors Pre-Calculus  Open to: Grades 10-12  Length: 2 semesters  Credits: 1.0</p> <p>Course Number: MA5100</p>	<p>AP Calculus BC includes all the topics of AP Calculus AB, as well as the following topics: vectors, Taylor Polynomials, convergence, divergence, Taylor and MacLaurin Series, rotations, parametric equations, polar equations for conics, slope fields, and differential equations. A graphing calculator is required.</p> <p><i>*It is highly recommended that all students in an Advanced Placement course take the Advanced Placement Exam offered each May by the College Board.</i></p>

*\*With department approval, students who begin in Algebra 1 may choose to take Honors Geometry and Honors Algebra 2/Trig. concurrently during sophomore year in order to take AP Calculus as a senior.*

## MUSIC

<b>COURSE</b>	<b>CREDIT</b>	<b>OPEN TO</b>	<b>PREREQUISITE</b>
Beginning Guitar	0.5	9-12	None
Intermediate Guitar	0.5	9-12	Beginning Guitar or department recommendation
Concert Band	1.0	9-12	None
Symphonic Band	1.0	10-12	None
Honors Symphonic Winds	1.0	9-12	Audition
Honors Wind Ensemble	1.0	9-12	Audition
Honors Jazz Ensemble	1.0	9-12	Enrollment in HWE/HSW/SB/CB or department recommendation
Jazz Orchestra	1.0	9-12	Enrollment in HWE/HSW/SB/CB and Audition
Jazz Workshop	0.5	9-12	Enrollment in HWE/HSW/SB/CB and Audition
Chorale (co-ed)	1.0	9-12	None
Bella Voce	1.0	9-12	Audition
Honors Concert Choir	1.0	9-12	Audition
Honors Master Singers	1.0	9-12	Audition
Lights (all female show choir)	1.0	9-12	Audition and enrollment in a concert ensemble
Sound FX (all male show choir)	1.0	9-12	Audition and enrollment in a concert ensemble
Mundelein Sound (co-ed show choir)	1.0	9-12	Audition and enrollment in a concert ensemble
AP Music Theory	1.0	10-12	Department recommendation

<p><b>BEGINNING GUITAR</b></p> <p>Prerequisite: None  Open to: Grades 9-12  Length: 1 semester  Credits: 0.5</p> <p>Course Number: MU6200</p>	<p>Beginning Guitar is designed to introduce the basic techniques and musical skills required to perform on guitar in several styles. Students will learn basic chords, strumming patterns, and melodies via music notation.</p>
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<p><b>INTERMEDIATE GUITAR</b></p>	<p>Intermediate Guitar is designed to further develop the basic</p>
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Prerequisite: Beginning Guitar Open to: Grades 9-12 Length: 1 semester Credits: 0.5  Course Number: MU6220	techniques and reading skills required to perform on guitar in several styles. Students will begin thorough and focused study of scale patterns, movable chord shapes, and improvisation techniques.
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### INSTRUMENTAL ENSEMBLES

- **Marching Band will run first semester; however, students enrolled in band will be waived from PE for the entire year.**
- **Required performances occur outside of the school day and include concerts, music festival, football games, and pep band games.**
- **Summer Marching Band Camp is required for participation in all bands.**
- **Students selected for Drumline and Color Guard will have additional required summer camps.**

<b>CONCERT BAND</b>  Prerequisite: None Open to: Grades 9-12 Length: 2 semesters Credits: 1.0  Course Number: MU1000	Concert Band is our entry-level band designed to build on the fundamental instrumental skills covered in junior high school and middle school bands. Students perform wind and percussion literature of an intermediate difficulty level in a standard concert band setting.
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<b>SYMPHONIC BAND</b>  Prerequisite: None Open to: Grades 10-12 Length: 2 semesters Credits: 1.0  Course Number: MU2000	Symphonic Band is our intermediate level band designed to further develop skills in ensemble performance beyond what is covered in Concert Band. This ensemble performs literature of a moderated to advanced difficulty level.
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<b>HONORS SYMPHONIC WINDS</b>  Prerequisite: Audition Open to: Grades 9-12 Length: 2 semesters Credits: 1.0  Course Number: MU2100	Symphonic Winds is our advanced band designed to further develop skills in ensemble performance. This ensemble performs literature of an advanced difficulty level. Solo/Ensemble festival participation is required for this course. Honors credit is given for this course. Auditions for Honors-level bands are held during February for the following year.
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<p><b>HONORS WIND ENSEMBLE</b></p> <p>Prerequisite: Audition  Open to: Grades 9-12  Length: 2 semesters  Credits: 1.0</p> <p>Course Number: MU3000</p>	<p>Wind Ensemble is our elite band designed to refine instrumental music skills through performance. This ensemble performs literature at a college and professional level. Solo/Ensemble festival participation is required for this course. Honors credit is given for this course. Auditions for Honors-level bands are held during February for the following year.</p>
<p><b>HONORS JAZZ ENSEMBLE</b></p> <p>Prerequisite: Enrollment in a concert band and Audition  Open to: Grades 9-12  Length: 2 semesters  Credits: 1.0</p> <p>Course Number: MU6320</p>	<p>Jazz Ensemble is our elite jazz band designed to refine instrumental music skills through performance. This ensemble performs literature at a college and professional level.</p>
<p><b>JAZZ ORCHESTRA</b></p> <p>Prerequisite: Enrollment in a concert band and Audition  Open to: Grades 9-12  Length: 2 semesters  Credits: 1.0</p> <p>Course Number: MU6340</p>	<p>Jazz Orchestra is our advanced jazz band designed to further develop skills in ensemble performance. This ensemble performs jazz literature of an advanced difficulty level.</p>
<p><b>JAZZ WORKSHOP</b></p> <p>Prerequisite: Enrollment in a concert band or department recommendation  Open to: Grades 9-12  Length: 1 semester  Credits: 0.5</p> <p>Course Number: MU6360</p>	<p>Jazz Workshop is our intermediate jazz band designed to further develop skills in jazz performance. This ensemble performs jazz literature of an intermediate difficulty level.</p>

### VOCAL GROUPS

If you enjoy singing, consider the choral musical opportunities at MHS. No prior music experience is necessary. All interested students should register for choir, and the counselor and Choral Director will place them in the appropriate group. All choirs perform.

- **Participation in all public performances is required.**
- **Mundelein Sound meets exclusively after school, and will be waived from PE.**
- **Lights and SoundFX will meet during the school day, and will be waived from PE.**
- **Auditions for all choirs except Chorale are held in February and March.**

Please visit the choir website for information:

<http://www.d120.org/activities/rz/sound/auditions/default.aspx>

<b>CHORALE</b>  Prerequisite: None (co-ed) Open to: Grades 9-12 Length: 2 semesters Credits: 1.0  Course Number: MU1500	Chorale is for the first year choir student at Mundelein High School. It is a beginning level co-ed ensemble, and students must participate in one year of Chorale in order to move on to another choral ensemble, unless they place out of Chorale due to their audition and placement exam. Students do not need to have prior knowledge of singing to participate. Three and four part literature, the basics of music theory and sight-singing, as well as the foundations of vocal technique are explored. Students perform at all four choral concerts during the school year.
<b>BELLA VOCE</b>  Prerequisite: Audition Open to: Grades 9-12 Length: 2 semesters Credits: 1.0  Course Number: MU2600	Bella Voce is for the intermediate student who has participated in one year of Chorale, or placed into this ensemble due to their audition and placement exam. Students in Bella Voce will study intermediate choral literature of various styles and genres to advance their vocal training. Intermediate vocal technique, music theory, and sight-singing are emphasized in this ensemble, and students perform at all four choral concerts during the school year.
<b>HONORS CONCERT CHOIR</b>  Prerequisite: Audition (co-ed) Open to: Grades 9-12 Length: 2 semesters Credits: 1.0  Course Number: MU3500	Honors Concert Choir is for the intermediate to advanced male or female student who has participated in one year of Chorale, or who has been placed into this ensemble based on their audition and placement exam. Students in Concert Choir will study intermediate to advanced mixed voice literature, vocal technique, music theory, and sight singing. Students sing at all choral concerts during the year as well as graduation and community events as requested. In addition, Concert Choir has a special off-site annual concert with Master Singers in the Spring.
<b>HONORS MASTER SINGERS</b>  Prerequisite: Audition (co-ed) Open to: Grades 9-12 Length: 2 semesters Credits: 1.0  Course Number: MU2500	Honors Master Singers is for the most advanced male or female choral student. Students will study advanced vocal technique, music theory and literature. Students sing at all choral concerts during the year as well as graduation and community events as requested. In addition, Master Singers has a special off-site annual concert with the Honors Concert Choir in the Spring. Many boys and girls in this group are members of SoundFX (boys) and the Mundelein Lights (girls) Show Choirs.
<b>LIGHTS</b>  Prerequisite: Audition (all-female); Enrollment in a Concert Ensemble (Band or Choir) Open to: Grades 9-12 Length: 2 semesters Credits: 1.0	Lights is the all-female show choir of MHS. It is an auditioned group of singers who are enrolled in a concert ensemble (choir or band) another period of the day, or have been placed in this group at the directors' discretion. Students in show choir study pop and Broadway music that is then choreographed and performed at competitions around the Midwest from January through

<p>Course Number: MU6500</p>	<p>March. Besides their daily rehearsals, students in Lights also rehearse on some Saturdays throughout the year. There is a fee associated with this class.</p>
<p><b>SOUND FX</b></p> <p>Prerequisite: Audition (all-male); Enrollment in a Concert Ensemble (Band or Choir)  Open to: Grades 9-12  Length: 2 semesters</p> <p>Credits: 1.0</p> <p>Course Number: MU6400</p>	<p>SoundFX is the all-male show choir of MHS. It is an auditioned group of singers who are enrolled in a concert ensemble (choir or band) another period of the day or have been placed in this group at the directors' discretion. Students in show choir study pop and Broadway music that is then choreographed and performed at competitions around the Midwest from January through March. Besides their daily rehearsals, students in FX also rehearse on some Saturdays throughout the year. There is a fee associated with this class.</p>
<p><b>MUNDELEIN SOUND</b></p> <p>Prerequisite: Audition (co-ed); Enrollment in a Concert Ensemble (Band or Choir)  Open to: Grades 9-12  Length: 2 semesters  Credits: 1.0</p> <p>Course Number: MU6600</p>	<p>Sound is the award winning mixed show choir of MHS. It is an auditioned group of singers who are enrolled in choir or band during the school day, and most are also enrolled in Show choir/PE. This class meets immediately after school from 3:10pm to 4:00pm daily as well as some Saturdays throughout the year. Students in show choir study pop and Broadway music that is then choreographed and performed at competitions around the Midwest from January through March. This class fulfills the PE requirement for the year. There is a fee associated with this class.</p>
<p><b>AP MUSIC THEORY</b></p> <p>Prerequisite: Department Recommendation  Open to: Grades 10-12  Length: 2 semesters  Credits: 1.0</p> <p>Course Number: MU6120</p>	<p>Students must have faculty recommendation and approval to be enrolled in this course. They must also be able to fluidly read music notation and rhythms to enroll in this course. The study of music theory includes the study of melody, harmony, rhythm, ear training and analysis and music history. Students will learn to compose original music, as well as analyze compositions from a variety of musical styles.</p> <p><i>It is highly recommended that all students in an Advanced Placement course take the Advanced Placement Exam offered each May by the College Board.</i></p>

## SCIENCE

<b>COURSE</b>	<b>CREDIT</b>	<b>OPEN TO</b>	<b>PREREQUISITE</b>
Biology	1.0	9	None
Honors Biology	1.0	9	Enrollment in Honors Geometry or higher Math course or Honors English, and department recommendation
AP Biology	1.0	11-12	Biology and Chemistry
Physical Science	1.0	10-12	Biology
Chemistry	1.0	10-12	Biology and Algebra 1
Honors Chemistry	1.0	10	Biology and Algebra 1
AP Chemistry	1.0	11-12	Chemistry and Algebra 2
Earth Science	1.0	10-12	Biology
Physics	1.0	10-12	Biology and Algebra 1
Honors Physics	1.0	10-12	Algebra 2, Biology, or department recommendation
AP Physics 1	1.0	11-12	Physics and Algebra 2
AP Physics 2	1.0	11-12	AP Physics 1
Zoology	0.5	9-12	None
Honors Anatomy/Physiology	1.0	11-12	Biology and Chemistry
Astronomy	0.5	11-12	None
AP Environmental Science	1.0	11-12	Biology and Chemistry or department recommendation
STEM Inquiry and Research	1.0	11-12	2 Credits of Science
Nanotechnology and Research	1.0	11-12	2 Credits of Science

### **BIOLOGY**

Prerequisite: None

Open to: Grade 9

Length: 2 semesters

Credits: 1.0

Course Number: SC1100, SC1200, SC1300, SC1500

Biology emphasizes reading comprehension, data analysis, practical experimentation, hypothesis formulation, data collection, problem solving, and critical thinking as they relate to the life sciences. Areas of study include genetics, cell structure, photosynthesis, respiration, ecology, microbiology, botany and zoology. This course is aligned to the Next Generation Science Standards. It is also offered in a bilingual (Spanish) format.

<p><b>HONORS BIOLOGY</b></p> <p>Prerequisite: Enrolled in Honors Geometry or higher Math course or Honors English, and department recommendation  Open to: Grade 9  Length: 2 semesters  Credits: 1.0</p> <p>Course Number: SC1900</p>	<p>Honors Biology emphasizes reading comprehension, data analysis, practical experimentation, hypothesis formulation, data collection, problem solving, and critical thinking as they relate to the life sciences. Genetics, cell structure, photosynthesis, respiration, ecology, microbiology, botany, zoology, and other topics are studied and integrated. The knowledge and concepts in Honors Biology are studied in greater depth than in Biology. This course is aligned to the Next Generation Science Standards</p>
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<p><b>AP BIOLOGY</b></p> <p>Prerequisite: Biology and Chemistry  Open to: Grades 11-12  Length: 2 semesters</p> <p>Credits: 1.0</p> <p>Course Number: SC5000</p>	<p>AP Biology is a college level class that focuses upon how both the Earth and the organisms that live on it have changed over time, as well as on the basic facts and ideas necessary to answer that question. Topics of study include cellular biology, energetics, evolution, ecology, genetics, genetic technology, animal structure and function, plant structure and function. These concepts will be taught utilizing a lecture/discussion based curriculum which includes advanced lab techniques, independent projects, directed practice, and student research. Additional assignments over the summer and during the first term may be required.</p> <p>This course may count as the third Science credit towards graduation.</p> <p><i>*It is highly recommended that all students in an Advanced Placement course take the Advanced Placement Exam offered each May by the College Board.</i></p>
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<p><b>PHYSICAL SCIENCE</b></p> <p>Prerequisite: Biology  Open to: Grades 10-12  Length: 2 semesters  Credits: 1.0</p> <p>Course Number: SC3600, SC3630</p>	<p>Physical Science is a lab science course designed to give students an introduction to fundamental principles of energy through the perspective of chemistry and physics. An emphasis on experimental design, scientific inquiry, and data analysis allows students to improve lab techniques and problem solving skills. Connections to relevant societal and technological issues are explored. The course is aligned to the Next Generation Science Standards.</p>
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<p><b>CHEMISTRY</b></p> <p>Prerequisite: Biology and Algebra 1  Open to: Grades 10-12  Length: 2 semesters  Credits: 1.0</p> <p>Course Number: SC2100, SC2120, SC2030, SC2500</p>	<p>Chemistry focuses on experimental design, scientific inquiry, data analysis, mathematical calculation, and scientific reading. These skills are developed through the study of properties of matter, atomic structure, chemical formulas, chemical reactions, periodic properties of elements, chemical bonding, acid/base chemistry, and the behavior of atomic particles in accordance with Kinetic Theory of Matter. Students write formal lab reports. Connections to relevant societal and technological issues are emphasized. This course is aligned to the Next Generation Science Standards. It is also offered in a bilingual (Spanish) format.</p>
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<p><b>HONORS CHEMISTRY</b></p> <p>Prerequisite: Algebra 1 and Biology, or department recommendation</p> <p>Open to: Grade 10</p> <p>Length: 2 semesters</p> <p>Credits: 1.0</p> <p>Course Number: SC2900</p>	<p>Honors Chemistry focuses on experimental design, scientific inquiry, data analysis, mathematical calculation, and scientific reading. These skills are developed through the study of energy, properties of matter, atomic structure, chemical formulas, chemical reactions, periodic properties of elements, chemical bonding, acid/base chemistry, behaviors of solutions, cause/effect relationships of chemical equilibrium, and the behavior of atomic particles in accordance with Kinetic Theory of Matter. Students write formal lab reports. Connections to relevant societal and technological issues are emphasized. This course addresses topics in more depth than in Chemistry. This course is aligned to the Next Generation Science Standards.</p>
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<p><b>AP CHEMISTRY</b></p> <p>Prerequisite: Chemistry and Algebra 2</p> <p>Open to: Grades 11-12</p> <p>Length: 2 semesters</p> <p>Credits: 1.0</p> <p>Course Number: SC5100</p>	<p>AP Chemistry is the equivalent to a yearlong college level class. Students will be provided ample opportunity to attain a depth of understanding of fundamentals and some competence in solving chemical problems. As with any of the science department's courses, skills such as science reasoning, experimental design, laboratory procedures and problem solving are integrated and developed through a study of chemistry. However, the emphasis lies in preparation for the AP Chemistry test where the knowledge and skills are taken to a higher level of application. Among the topics are atomic structure, chemical bonding, gas laws, solids and liquids, solutions, reaction types, stoichiometry, equilibrium, chemical kinetics, thermodynamics, descriptive chemistry and laboratory skills. There is an emphasis on chemical calculations throughout the content, including attention to significant figures, precision and critical analysis of results.</p> <p>This course may count as the third Science credit towards graduation.</p> <p><i>*It is highly recommended that all students in an Advanced Placement course take the Advanced Placement Exam offered each May by the College Board.</i></p>
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<p><b>EARTH SCIENCE</b></p> <p>Prerequisite: Biology</p> <p>Open to: Grades 10-12</p> <p>Length: 2 semesters</p> <p>Credits: 1.0</p> <p>Course Number: SC2200, SC2220, SC2230</p>	<p>Earth Science is a lab oriented course that counts towards the 3.0 science credit graduation requirement. Students will study major units in astronomy, geology, meteorology, and physical geography. This course is aligned to the Next Generation Science Standards.</p>
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<p><b>PHYSICS</b></p> <p>Prerequisite: Biology and Algebra 1</p> <p>Open to: Grades 10-12</p> <p>Length: 2 semesters</p>	<p>Physics focuses on the attainment of knowledge and understanding of fundamental physics principles. Skills in science reasoning, experimental design, laboratory procedures, and problem solving are integrated and developed through a study of physics topics, including linear and rotational mechanics, waves, electricity, and</p>
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<p>Credits: 1.0</p> <p>Course Number: SC3030, SC3100, SC3200, SC3500</p>	<p>magnetism. This course is aligned to the Next Generation Science Standards.</p>
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<p><b>HONORS PHYSICS</b></p> <p>Prerequisite: Algebra 2 and Biology or department recommendation</p> <p>Open to: Grades 10-12</p> <p>Length: 2 semesters</p> <p>Credit: 1.0</p> <p>Course Number: SC3900</p>	<p>Honors Physics focuses on the attainment of knowledge and understanding of fundamental physics principles and their mathematical descriptions. Skills in science reasoning, experimental design, laboratory procedures and problem solving are integrated and developed through a study of physics topics. The topics include linear and rotational mechanics, waves, electricity, and magnetism. Basic trigonometry is applied in this course. This course is aligned to the Next Generation Science Standards.</p>
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<p><b>AP PHYSICS 1</b></p> <p>Prerequisite: Physics and Algebra 2</p> <p>Open to: Grades 11-12</p> <p>Length: 2 semesters</p> <p>Credits: 1.0</p> <p>Course Number: SC5400</p>	<p>AP Physics 1 is equivalent to first semester a college course in algebra based physics that is broader and more highly specialized than in previous physics courses. Skills in science reasoning, experimental design, laboratory procedures, and problem solving are integrated and developed through a study of physics topics. Students are challenged to extend what they learn to solve problems of various levels of structure and depth. This course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy and power, and mechanical waves and sound. It will also introduce electrical circuits. Strong Algebra and basic trigonometry skills are recommended as prerequisites.</p> <p>This course may count as the third Science credit towards graduation.</p> <p><i>*It is highly recommended that all students in an Advanced Placement course take the Advanced Placement Exam offered each May by the College Board.</i></p>
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<p><b>AP PHYSICS 2</b></p> <p>Prerequisite: AP Physics 1</p> <p>Open to: Grades 11-12</p> <p>Length: 2 semesters</p> <p>Credits: 1.0</p> <p>Course Number: SC5500</p>	<p>AP Physics 2 is a equivalent to second semester college course in algebra based physics that is broader and more highly specialized than in previous physics courses. Skills in science reasoning, experimental design, laboratory procedures, and problem solving are integrated and developed through a study of physics topics. Students are challenged to extend what they learn to solve problems of various levels of structure and depth. This course covers fluid dynamics, thermodynamics, electricity and magnetism, optics, and atomic and nuclear physics. Strong Algebra and basic trigonometry skills are recommended as prerequisites.</p> <p><i>*It is highly recommended that all students in an Advanced Placement course take the Advanced Placement Exam offered each May by the College Board.</i></p>
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<p><b>ZOOLOGY</b></p> <p>Prerequisite: None  Open to: Grades 9-12  Length: 1 semester  Credits: 0.5</p> <p>Course Number: SC6000</p>	<p>Zoology focuses on animal taxonomy, animal anatomy/physiology, animal development, and animal behavior. The course will emphasize basic life science laboratory skills and techniques. It can be taken before or after Biology. <b>Animal dissection is a required part of the laboratory experience.</b> This course is a science elective and does not fulfill the Science graduation requirement.</p>
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<p><b>HONORS ANATOMY AND PHYSIOLOGY</b></p> <p>Prerequisite: Biology and Chemistry  Open to: Grades 11-12  Length: 2 semesters  Credits: 1.0</p> <p>Course Number: SC6500</p>	<p>Honors Anatomy and Physiology is designed for the student who has a special interest in human anatomy and physiology. Honors Anatomy and Physiology emphasizes problem solving, laboratory dissection, and research skills that are integrated and developed through a study of human body systems. This course is fast paced and intensive. The integumentary, skeletal, muscular, circulatory, respiratory, digestive, and excretory systems are examined in detail. Lab reports, dissection write-ups, term projects, and portfolio entries are an integral part of the student's experience. <b>Dissections are required.</b></p> <p>This course may count as the third Science credit towards graduation.</p>
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<p><b>ASTRONOMY</b></p> <p>Prerequisite: None  Open to: Grades 11-12  Length: 1 semester  Credits: 0.5</p> <p>Course Number: SC6200</p>	<p>Astronomy focuses on researching the historical developments in astronomy, examining the possible ways astronomy will change the world. Students will evaluate the forces that shaped our solar system, proper use of a star chart and telescope, and research space exploration. This course is aligned to the Next Generation Science Standards.</p> <p>This course may count as the third Science credit towards graduation.</p>
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<p><b>AP ENVIRONMENTAL SCIENCE</b></p> <p>Prerequisite: Biology and Chemistry or department recommendation  Open to: Grades 11-12  Length: 2 semesters  Credits: 1.0</p> <p>Course Number: SC5300</p>	<p>AP Environmental Science is equivalent to one semester of a college course. AP Environmental Science provides students with the scientific principles, concepts, and methodologies required to do the following: understand the interrelationships of the natural world, identify and analyze environmental problems both natural and human-made, evaluate the relative risks associated with these problems both natural and human-made, and examine alternative solutions for resolving and/or preventing them.</p> <p>This course may count as the third Science credit towards graduation.</p> <p><i>*It is highly recommended that all students in an Advanced Placement course take the Advanced Placement Exam offered each May by the College Board.</i></p>
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<p><b>NANOTECHNOLOGY AND RESEARCH</b></p> <p>Prerequisite: 2 Credits of Science  Open to: Grades 11-12</p>	<p>During the first term students will learn and apply the protocols and scientific research in the context of laboratory experiences. Students will learn how to operate electron microscopes, atomic force microscopes and the</p>
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<p>Length: 2 semesters Credits: 1.0</p> <p>Course Number: SC6600</p>	<p>theory about how they work. They will learn how materials' properties change at the nanotechnology level and how those properties are applied in our daily lives. As the students develop skills and techniques they will refine their own research questions they will investigate during the second term. The investigation will include designing original experiments to help answer their research questions. The students will share their research design and findings at the end of the course.</p> <p>This lab based course is aligned with the Next Generation Standards.</p> <p>This course may count as the third Science credit towards graduation.</p>
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<p><b>STEM INQUIRY AND RESEARCH</b></p> <p>Prerequisite: 2 Credits of Science Open to: Grades 11-12 Length: 2 semesters Credits: 1.0</p> <p>Course Number: SC2700</p>	<p>During the first term students will learn and apply the protocols of scientific research in the context of laboratory experiences. The inquiry experiences will include topics from the STEM (Science, Technology, Engineering and Math) fields of Biology and the Physical Sciences. As the students develop skills and techniques they will refine their own questions they will research during the second term. The students will design original experiments to help answer their research questions. Students will share their research design and findings at the end of the second term.</p> <p>This lab based course is aligned with the Next Generation Standards.</p> <p>This course may count as the third Science credit towards graduation.</p>
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## SOCIAL STUDIES

<b>COURSE</b>	<b>CREDIT</b>	<b>OPEN TO</b>	<b>PREREQUISITE</b>
World Studies*	1.0	9	Department recommendation
United States History	1.0	10-12	World Studies
AP United States History	1.0	10-12	World Studies
United States Government & Politics	0.5	11-12	U.S. History or AP U.S. History
AP United States Government & Politics	0.5	11-12	U.S. History or AP U.S. History
AP United States and Comparative Government & Politics	1.0	11-12	U.S. History or AP U.S. History
Economics	0.5	10-12	None
AP Micro & Macro Economics	1.0	11-12	10 <sup>th</sup> grade with department approval
<b>ELECTIVES</b>			
Current World Issues	0.5	9-12	None
Civil Law	0.5	9-12	None
Criminal Law	0.5	10-12	None
AP European History	1.0	10-12	World Studies
AP Human Geography	1.0	9-12	Incoming 9 <sup>th</sup> graders should have strong reading and writing skills
Psychology	0.5	11-12	None
AP Psychology	1.0	11-12	None
Sociology	0.5	11-12	None

\* This course has an earned honors option for all students. The instructor will review these requirements at the start of the course.

<p><b>WORLD STUDIES</b></p> <p>Prerequisite: Department recommendation  Open to: Grade 9  Length: 2 semesters  Credits: 1.0</p> <p>This course has an earned honors option for all students. The instructor will review these requirements at the start of the course.</p> <p>Course Number: SS1100, SS1200, SS1030, SS1500</p>	<p>World Studies is designed to help students develop an understanding of past events in order to comprehend present issues. Students will explore other cultures in order to understand their role in an interconnected global community. Students will also analyze the motivations and consequences of human behavior. This course will help students develop their reading, writing, research, and analysis skills.</p>
<p><b>UNITED STATES HISTORY</b></p> <p>Prerequisite: World Studies or AP World History  Open to: Grades 10-12  Length: 2 semesters  Credits: 1.0</p> <p>Course Number: SS2100, SS2030, SS2200, SS2500</p>	<p>United States. History offers students an opportunity to deepen their understanding of our nation's past while developing important skills that will serve them well beyond the classroom. Students will analyze important historical events, ideas, and individuals through a thematic lens to make connections and see trends and patterns throughout our history. This course will help students develop their reading, writing, research, and analysis skills.</p>
<p><b>AP UNITED STATES HISTORY</b></p> <p>Prerequisite: World Studies or AP World History  Open to: Grades 10-12  Length: 2 semesters  Credits: 1.0</p> <p>Course Number: SS5100</p>	<p>AP United States History is designed to provide students with the skills and factual knowledge necessary to critically analyze the events, trends, and issues in United States history. Students will analyze primary and secondary sources and emphasis will be placed on historical writing through free response and document-based question essays.</p> <p><i>*It is highly recommended that all students in an Advanced Placement course take the Advanced Placement Exam offered each May by the College Board.</i></p>
<p><b>UNITED STATES GOVERNMENT &amp; POLITICS</b></p> <p>Prerequisite: U.S. History or AP U.S. History  Open to: Grades 11-12  Length: 1 semester  Credits: 0.5</p> <p>Course Number: SS3100, ss3200, SS3300, SS3500</p>	<p>American Government and Politics provides an introduction to the American political system. The major goal is to provide students with the factual knowledge and analytical skills necessary to be an educated and participatory member of our democratic system. Students will examine how local, state and national governments provide for the common defense and maintain social order while still securing liberty and ensuring justice. Students will also analyze the roles and influences of individuals, groups, and the media in shaping public policy at the state and national level. This course will also help students develop their reading, writing, research, and analysis skills.</p> <p><i>Students must pass the Constitution test in order to pass this class.</i></p>

<p><b>AP UNITED STATES GOVERNMENT &amp; POLITICS</b></p> <p>Prerequisite: U.S. History or AP U.S. History  Open to: Grades 11-12  Length: 1 semester  Credits: 0.5</p> <p>Course Number: SS5200</p>	<p>AP American Government and Politics explores how Congress, the Presidency, and the Supreme Court work to make public policy. Students will focus on political parties, campaigns and elections, the media and interest groups, as well as civil rights and civil liberties. This course is designed for students who have an interest in current events, as well as the study of the structure and function of our government. AP American Government and Politics prepares students to become more responsible citizens and more informed voters.</p> <p>Students must pass the Constitution test in order to pass this class.</p> <p><i>*It is highly recommended that all students in an Advanced Placement course take the Advanced Placement Exam offered each May by the College Board.</i></p>
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<p><b>AP UNITED STATES AND COMPARATIVE GOVERNMENT AND POLITICS</b></p> <p>Prerequisite: U.S. History or AP U.S. History  Open to: Grades 11-12  Length: 2 semesters  Credits: 1.0</p> <p>Course Number: SS</p>	<p>The first semester of this college level course will focus on United States Government and Politics and will give students an analytical perspective of the American political system. The second semester will focus on Comparative Government and Politics, and will give students a basic understanding of the world's diverse political structures. This course is designed for students who have an interest in current events, both in the United States and around the world. AP Government and Politics prepares students to become more responsible citizens and more informed voters, as well as more knowledgeable members of a global community. The Comparative Government course will focus primarily on Great Britain, Russia, Mexico, China, Iran and Nigeria.</p> <p><i>*It is highly recommended that all students in an Advanced Placement course take the Advanced Placement Exam offered each May by the College Board.</i></p>
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<p><b>ECONOMICS</b></p> <p>Prerequisite: None  Open to: Grades 10-12  Length: 1 semester  Credits: 0.5</p> <p>Course Number: SS3200, SS3150, SS3550</p>	<p>Economics focuses on topics such as personal budgets, credit, investment, economic systems, the business cycle, and inflation. Students will engage in discussions, simulations, and research on economic topics of interest. This course will also help students develop their reading, writing, research, and analysis skills. Students will meet the state requirement for Consumer Education by successfully completing this course.</p>
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<p><b>AP MICRO AND MACRO ECONOMICS</b></p> <p>Prerequisite: Algebra 2 completed or concurrent  Open to: Grades *11-12  *10<sup>th</sup> grade with departmental approval  Length: 2 semesters  Credits: 1.0</p>	<p>This course provides an accelerated study in the field of economics. Students acquire understandings equivalent to those gained in a college level introductory course. The course of study of will prepare students to take both the AP Microeconomics and AP Macroeconomics Tests and also fulfills the consumer education requirement for graduation. The course will examine both broad economic theory and principles such as supply and demand, the</p>
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<p>Course Number: SS5500</p>	<p>profit maximizing production level for firms, decisions regarding the use of labor and other resources, the role of government in economics, and allow for applied research into focused areas of student interest.</p> <p><i>*It is highly recommended that all students in an Advanced Placement course take the Advanced Placement Exam offered each May by the College Board..</i></p>
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<p><b>CURRENT WORLD ISSUES</b></p> <p>Prerequisite: None  Open to: Grades 9-12  Length: 1 semester  Credits: 0.5</p> <p>Course Number: SS6000</p>	<p>In Current World Issues, students examine the causes and possible solutions of major global problems. Topics of study include poverty, disease, genocide, human trafficking, and global climate change. Students will explore ways they can personally make a difference in these global problems</p>
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<p><b>CIVIL LAW</b></p> <p>Prerequisite: None  Open to: Grades 9-12  Length: 1 semester  Credits: 0.5</p> <p>Course Number: SS6300</p>	<p>Civil Law is designed for students who are interested in learning more about topics such as lawsuits, conflict resolution, family legal issues, and discrimination. Students will discuss current Supreme Court cases that focus on civil issues such as gender discrimination. Students will participate in mock trial, legal hearings, simulations, and interact with guest speakers. This course may be taken concurrently with other law courses.</p>
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<p><b>CRIMINAL LAW</b></p> <p>Prerequisite: None  Open to: Grades 10-12  Length: 1 semester  Credits: 0.5</p> <p>Course Number: SS6200</p>	<p>Criminal Law is designed for students who have an interest in the Criminal Justice System. Topics of study include hate crimes, criminal prosecution, and the rights of the accused, such as the right to privacy and freedom from cruel and unusual punishment. Students will examine U.S. Supreme Court cases that focus on the rights and limitations of students in schools. Students will role play attorneys and witnesses in mock criminal trials and interact with a variety of guest speakers. This course may be taken concurrently with other law courses.</p>
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<p><b>AP EUROPEAN HISTORY</b></p> <p>Prerequisite: World Studies or AP World History  Open to: Grades 10-12  Length: 2 semesters  Credits: 1.0</p> <p>Course Number: SS5400</p>	<p>AP European History involves the study of the development of western civilization from the late Middle Ages through the post-Cold War era. Social, political, and economic issues and trends are examined to help students develop their historical perspective. Students strengthen their reading, writing, historical interpretation, and analysis skills.</p> <p><i>*It is recommended that all students in an Advanced Placement course take the Advanced Placement Exam offered each May by the College Board.</i></p>
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<p><b>AP HUMAN GEOGRAPHY</b></p> <p>Prerequisite: Incoming 9<sup>th</sup> graders should have strong reading and writing skills  Open to: Grades 9-12  Length: 2 semesters  Credits: 1.0</p> <p>Course Number: SS5700</p>	<p>The AP Human Geography course is equivalent to an introductory college-level course in human geography. The course introduces students to the study of patterns and trends that have shaped human understanding. How have humans adapted and adjusted to their environments will be a question examined throughout the course. Student will analyze data regarding where and how people live to better understand the consequences on the environment. They also learn about methods and tools geographers use in their research and applications. The curriculum reflects the goals of the National Geographic Standards (2012).</p> <p><i>*It is recommended that all students in an Advanced Placement course take the Advanced Placement Exam offered each May by the College Board.</i></p>
<p><b>PSYCHOLOGY</b></p> <p>Prerequisite: None  Open to: Grades 11-12  Length: 1 semester  Credits: 0.5</p> <p>Course Number: SS6600</p>	<p>Psychology is an introductory course designed to provide an overview of human thinking and behavior. Topics of study include research methods in psychological study, the biological bases of behavior, personality, states of consciousness such as sleep and hypnosis, how the brain learns and creates memories, abnormal psychological disorders, psychological development, and how social interactions affect behavior.</p>
<p><b>AP PSYCHOLOGY</b></p> <p>Prerequisite: None  Open to: Grades 11-12  Length: 2 semesters  Credits: 1.0</p> <p>Course Number: SS5300</p>	<p>AP Psychology is the scientific study of everything we do and think about. Topics of study include brain anatomy and function, research techniques, development, motivation, consciousness, learning, thinking and memory, personality, abnormal thoughts and behaviors, psychiatric medicine, among others. It is an excellent preparation for future study in Psychology, neuroscience, or medicine.</p> <p><i>*It is recommended that all students in an Advanced Placement course take the Advanced Placement Exam offered each May by the College Board.</i></p>
<p><b>SOCIOLOGY</b></p> <p>Prerequisite: None  Open to: Grades 11-12  Length: 2 semesters  Credits: 1.0</p> <p>Course Number: SS6500</p>	<p>Sociology emphasizes the study of human interaction within groups and cultures. Students will explore how families, schools, and peer groups influence behavior. Focus will also be given to the factors that influence the development of one's personality. General topics of study include families, peer groups, adolescence, deviance, countercultures, and socialization.</p>

## SPECIALIZED COURSES

<b>COURSE</b>	<b>CREDIT</b>	<b>OPEN TO</b>	<b>PREREQUISITE</b>
Study Hall	0	9-12	None
Academic Literacy	0.5 or 1.0	9-10	Case manager recommendation
Academic Support	1.0	9-10	Department recommendation
AVID Elective	1.0	9-12	Selection into AVID
Early Graduation	0	12	Application-See Guidance Counselor
Grad Point	0.5	12	Referral by Counselor
Strategic Reading	1.0	9	Department recommendation
Strategies for Learning	1.0	9-10	Case Manager recommendation
Strategies for Math	1.0	9-12	Case Manager recommendation
ESL Academic Support	1.0	9-10	Department recommendation
ESL Cultural Literacy	0.5	9-12	ESL/Bilingual Department recommendation
Student Ambassador	0.5	12	None
Student Internship	1.0	12	Application and Teacher referral
Peer Tutoring	0.5	9-12	None
College of Lake County Dual Credit	1.0	12	Referral by Counselor
MacLean-Fogg Cooperative Internship	2.0	11	None
Manufacturing Cooperative Internship	1.0	12	Algebra 2

<p><b>ACADEMIC LITERACY</b></p> <p>Prerequisite: Department recommendation            Open to: Grades 9-10            Length: 1 semesters (may take up to 2 semesters)            Credits: 0.5 (may earn up to 1.0 credits)</p> <p>Course Number: SP1430</p>	<p>Students will improve their literacy skills of reading, writing, speaking and listening. Vocabulary and fluency will also be addressed. Students will receive individualized instruction and be placed in flexible groups that are structured to meet specific reading needs. Reading Plus will be used for differentiated reading instruction and practice. Skill and strategy instruction will foster independence in literacy learning that is transferable to content-area classrooms.</p>
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<p><b>ACADEMIC SUPPORT</b></p> <p>Prerequisite: Department recommendation  Open to: Grades 9-10  Length: 2 semesters  Credits: 1.0 pass/fail elective credit</p> <p>Course Number: SP1000, SP2000</p>	<p>Students will improve their mathematical solving skills and their literacy skills of reading, writing, speaking and listening. Reading, math and executive functioning strategies will be addressed. Students will receive individualized instruction and be placed in flexible groups that are structured to meet their individual needs. Skill and strategy instruction will foster independence in both mathematical and literacy learning that is transferable to content area classes.</p>
<p><b>AVID ELECTIVE</b></p> <p>Prerequisite: Selection into Advancement Via Individual Determination program  Open to: Grades 9-12  Length: 2 semesters  Credits: 1.0</p> <p>Course Number: SP1200, SP2200, SP3400, SP4400</p>	<p>AVID stands for Advancement Via Individual Determination. Students selected into AVID take the AVID Elective throughout all four years of high school. In AVID, students learn and apply WICOR strategies: Writing, Inquiry, Collaboration, Organization, and Reading. AVID students also prepare for and participate in student-led tutorials by composing high-level questions on Costa's Levels of Questioning and using Cornell Notes. AVID students actively participate in enrichment and motivational activities that are focused on college.</p>
<p><b>GRADPOINT</b></p> <p>Prerequisite: Referral by Counselor  Open to: Grade: 12  Length: 1 semester (may be repeated)  Credits: 0.5</p> <p>Course Number: SP1300</p>	<p>GradPoint is an individualized, computer interaction program that enables students to recover credits lost due to previous failures and/or transitions from other schools. Core content courses and several electives are offered through the GradPoint experience. Courses are organized around a series of modules covering specific concepts and/or skills; students must show proficiency in one module before they can proceed to the next module. Students are generally scheduled into one period of GradPoint during any given term, but may be enrolled in more by approval of the administration.</p>
<p><b>STRATEGIC READING</b></p> <p>Prerequisite: Case Manager recommendation  Open To: Grade 9  Length: 2 semesters  Credits: 1.0 pass/fail elective credit</p> <p>Course Number: SP0500</p>	<p>Students will improve their literacy skills of reading, writing, speaking and listening. Vocabulary, fluency and reading strategies will be addressed. Students will receive individualized instruction and be placed in flexible groups that are structured to specific reading needs. Skill and strategy instruction will foster independence in literacy learning that is transferable to content area classrooms.</p>
<p><b>STRATEGIES FOR LEARNING</b></p> <p>Prerequisite: Case Manager recommendation  Open To: Grades 9-10  Length: 1 semester (may take up to 2 semesters)  Credits: 0.5 (may earn up to 1.0 credits)</p> <p>Course Number: SP5000</p>	<p>In Strategies For Learning, students learn and apply specific academic strategies and executive functioning strategies that students will apply and utilize in and out of the classroom. This class follows a researched based curriculum from the RUSH NeuroBehavioral Center. The goal is to empower students so that they will benefit independently from the instruction offered in the content classes. Students will learn to set goals, monitor their goals, and evaluate their goals weekly. In addition, students will learn organizational skills, study strategies, and will work to develop self-advocacy skills by communicating with teachers about academic progress.</p>



**STRATEGIES FOR MATH**

Prerequisite: Case Manager recommendation  
 Open To: Grades 9-12  
 Length: 1 semester (may take up to 2 semesters)  
 Credits: 0.5 (may earn up to 1.0 credits)

Course Number: SP5050

In Strategies for Math, students learn and apply specific academic strategies for math and executive functioning strategies that students will apply and utilize in and out of the classroom.  
 The goal is to empower students so that they will benefit independently from the instruction offered in the content classes. Students will learn to set goals, monitor their goals, and evaluate their goals weekly.  
 In addition, students will learn organizational skills, study strategies, and will work to develop self-advocacy skills by communicating with teachers about academic progress.

**ESL ACADEMIC SUPPORT**

Prerequisite: Department recommendation  
 Open To: Grades 9-12  
 Length: 1 semester (may take up to 2 semesters)  
 Credits: 0.5 (may earn up to 1.0 credits)

Course Number: SP1500, SP2500

Students will improve their literacy skills of reading, writing, speaking and listening. Academic vocabulary and fluency will be addressed. Students will receive individualized instruction and be placed in flexible groups that are structured to meet their individual needs. Skill and strategy instruction will foster independence in literacy learning that is transferable to content-area classes.

**ESL CULTURAL LITERACY**

Prerequisite: ESL/Bilingual Department recommendation  
 Open to: Grades: 9-12  
 Length: 1 semester  
 Credits: 0.5

Course Number: SP1600

Cultural Literacy offers newcomer English Language Learners an opportunity to be introduced to the historical, political, and cultural roots of the United States while developing important skills that will serve them well beyond the classroom. Students will build knowledge of the values and norms of United States culture and the makeup and functioning of key institutions. This course will help students develop their reading, writing, research, and analysis skills. This course will also help students acclimate to life in the United States and prepare them for success in US History and Government courses.

**STUDENT INTERNSHIP**

Prerequisite: Pre-placement interview required for admittance  
 Open to: Grade: 12  
 Length: 1 semester (may be repeated)  
 Credits: 1.0

Course Number: SP4100

Student internships are opportunities for students to learn about a particular industry or career by being placed at an approved internship site. MHS currently offers internship opportunities in over 20 industry/market sectors and more than 50 businesses. Student internship activities may include special projects, job shadowing or mentoring, along with a weekly journal and career-focused research. Students earn academic credit for successful completion of the internship. Meets during 7th and 8th hour, for one semester. Transportation is available through application process, and will be based on need. Student selection does not guarantee placement/admittance. Students must submit a teacher recommendation at the time of the interview. All students must wear appropriate business/industry attire as outlined by the sponsoring company when at an internship site.

**PEER TUTORING**

Prerequisite: None  
 Open to: Grade: 9-12  
 Length: 1 semester (may be repeated)  
 Credits: 0.5

Peer tutoring is an option for students who would like to provide tutoring services to students in our academic resource centers (Literacy Center, Math Lab, Study Cafe, and Hub) and classrooms during the school day. Students will receive training on communication, leadership, and tutoring strategies. In order to qualify to be a peer tutor, students will need to submit an

Course Number: SP3200

application, complete an interview, and attend trainings throughout the semester. Students may receive service hours for the days they are tutoring, this may vary depending on class/subject. Field trips may include: visits to other types of schools for observations and analysis, shadowing a teacher in a specific subject, and college visits to learn more about careers in education.

**STUDENT AMBASSADOR**

Prerequisite: None  
Open to: Grade 12  
Length: 1 semester  
Credits: 0.25

Course Number: SP3100

Student Ambassadors are responsible for assisting various school offices with general tasks, which may include delivering passes, escorting visitors, and giving building tours. Students must be polite, respectful, have a professional work ethic, neat appearance at all times, and a history of good attendance. This class is graded on a pass/fail basis and will not count toward GPA.

**MACLEAN-FOGG COOPERATIVE INTERNSHIP**

Prerequisite: None  
Open to: Grade 11  
Length: 2 semesters (All year)  
Credits: 2.0

Course Number: SP4150

This is a cooperative educational program where the student receives high school credit toward graduation and is a paid intern and employee of the sponsoring company while completing the course. Students enter the internship in their junior year and finish the internship in their senior year with the possibility of a full time employment offer from MacLean-Fogg upon graduation. The course meets during 7th and 8th periods and may include some class/project time during the summer. Transportation is available. Students must submit an application, be selected by MacLean-Fogg and meet all conditions of employment.

**MANUFACTURING COOPERATIVE INTERNSHIP**

Prerequisite: None  
Open to: Grade 12  
Length: 2 semesters (All year)  
Credits: 1.0

Course Number: SP4175

This is a cooperative educational program where the student receives dual credit (toward graduation and college) and is a paid intern and employee of the sponsoring company in the 2nd semester of the course. In the first semester, students complete course work at CLC where they will earn 7 college credit hours and up to 4 NUMS certifications. In the second semester, the student becomes a paid intern of the sponsoring partner company. The course meets during 7th and 8th periods and may include some time during the summer. Successful completion of the internship may result in full time employment after graduation. Transportation is available. Students must submit an application, be selected and meet all conditions of employment.



**Are you going to be a *Senior*? Are you interested in earning college credit AND satisfying the Senior English credit requirement? Consider this...**

**Take a college level English course at the College of Lake County!**

**English 121: English Composition I (3 credit hours)**

This college level course is designed to help students develop their competence in college-level writing and in the analysis of texts so they can enter the dialogue of the academic community. This course includes the analysis and practice of argument and the use of critical thinking to read, analyze, and produce college-level texts.

**Cost:** \$93 per credit hour = \$279 for English 121 to be paid by the student

Additional cost: Any required materials requested by professor

(These are Spring 2019 course fees. Fees may change by next school year.)

**DUAL CREDIT**

Prerequisite: Referral by  
Counselor  
Open to: Grade 12  
Length: 2 semesters  
Credits: 1.0

Free transportation is available, provided by  
Mundelein High School to CLC by riding the  
scheduled Tech Campus buses.

Please see you counselor for more  
information and assistance in registering.

**When:**

Monday/Wednesday/Friday  
9:00am to 9:50am  
This is the course time for Spring  
2019. (2019-2020 CLC course  
guide is not currently available)  
Course times may vary.



## **TECHNOLOGY CAMPUS**

The Lake County High Schools Technology Campus in Grayslake, Illinois offers a variety of highly specialized courses designed to provide Junior and Senior students with applied career skills. A limited number of junior and senior students who have completed required courses at Mundelein High School and demonstrated an interest in vocational preparation will be enrolled.

Mundelein High School students must fill out an application and be accepted in order to attend. Students will be accepted into a specific program on a first come, first served basis once the Technology Campus has received a completed application. Excessive absences from both Mundelein High School and the Technology Campus will interfere with a student's acceptance or continuation in the program.

Students who attend the Technology Campus programs will earn three (4) credits for successful completion of a one (1) year program. Cosmetology students will earn four (5) credits.

Many Tech Campus courses require students to purchase clothing and equipment at the student's expense. The clothing and equipment are specific to the course and may include: tools, safety items, shoes, and uniforms which students keep. Financial assistance is not available through Tech Campus. Financial assistance *may* be available through Mundelein High School. Visit the Technology Campus website at [www.techcampus.org](http://www.techcampus.org) for more information. Costs of fees/materials are subject to change.

### **TECHNOLOGY CAMPUS PLACEMENT CRITERIA**

All placements will be made based on approval of the Technology Campus Committee (comprised of MHS counselors and administration).

1. All placements will be made based on approval of the Technology Campus Committee (comprised of MHS counselors and administration).
2. All Students must have obtained a minimum number of credits by the beginning of the school year they wish to attend Tech Campus. Juniors = 13 credits, Seniors = 19 credits
3. All students' attendance and discipline at MHS will be reviewed by the Committee prior to approving a student's application for Tech Campus (students may be denied enrollment into Tech Campus for poor attendance or discipline issues that occurred at MHS).
4. Any student that fails the first year of Tech Campus will be ineligible for the second year.
5. Students dropped from Tech Campus for disciplinary reasons, lack of attendance, or lack of interest will be subject to pay the Tech Campus tuition incurred by District 120.

### **MHS/TECHNOLOGY CAMPUS INFORMATION**

1. Bus transportation from Mundelein High School is REQUIRED for students attending Tech Campus. Any deviation from this practice MUST be by prior written approval between Mundelein High School administration and the Technology Campus administration.
2. The bus times for Tech Campus will always remain the same despite the MHS bell schedule:  
Session 1      departure      7:50 am      arrival 10:50 am  
Session 3      departure      12:40 pm      arrival 3:25 pm (5:00pm for Cosmetology)
3. On late start days ("F" schedule) AM Tech Campus students will need to provide their own transportation to MHS to take the bus to Tech Campus.
4. To report an absence the parent/guardian must call Mundelein High and Technology Campus.

## INFORMATION TECHNOLOGY

<p><b>GAME PROGRAMMING AND VIRTUALIZATION/</b></p> <p>Prerequisite: Algebra and basic programming Open to: Grades 11-12 Length: Full year Credits: 3.0 Fee: \$5.00 Lab fee Supplies purchased by student required</p> <p>Course Number: TE3650</p>	<p>This program is designed to provide instruction in the computer science field. Students will be able to develop video games &amp; professional programs using realistic hands-on interdisciplinary exercises. The game programming curriculum will focus on industry standard coding languages. Additional training will cover 2D and 3D animation. Additionally, students will work with virtual reality technologies providing experience in virtualizations allowing complex data or situations in a simulated real-world application.</p> <p>*Students may be eligible for up to 9 dual credits with the College of Lake County.</p>
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<p><b>APP DEVELOPMENT AND 3D GAMING</b></p> <p>Prerequisite: Algebra and basic programming Open to: Grades 11-12 Length: Full year Credits: 3.0 Fee: \$5.00 Lab fee Supplies purchased by student required</p> <p>Course Number: TE4650</p>	<p>Mobile Media Programmers become creative coders competent in applying interactive principles and theories to mobile and 3D game development. Students learn to think and act as innovators, adept at using a variety of technologies and processes to express ideas and solve gaming as well as mobile media design problems. We prepare students to develop software applications and other interactive media for mobile devices such as: smartphone, tablets, and 3-D Game Applications that can run on a variety of platforms.</p> <p>*Students may be eligible for up to 9 dual credits with the College of Lake County.</p>
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## VISUAL ARTS

<p><b>MULTIMEDIA DESIGN 1 &amp; 2</b></p> <p>Prerequisite: Computer Applications Open to: Grades 11-12 Length: Full year Credits: 3.0 Fee: \$55.00 Lab fee (1st year students) \$50.00 Lab fee (2nd year students) \$5.00 lock replacement fee Supplies purchased by student required</p> <p>Course Number: TE3700, TE4700</p>	<p>This program prepares students for a variety of design careers in photography, desktop publishing, graphic design, entry-level animation and digital film editing. Students will design and produce a variety of print and digital media utilizing a variety of software applications including but not limited to: Adobe® Illustrator®, Adobe® Photoshop®, Adobe® InDesign® and Adobe® Premier.</p> <p>*This course may be eligible for articulated credit with the College of Lake County.</p>
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## COMPUTER NETWORKING

<p><b>COMPUTER SUPPORT SERVICES 1 &amp; 2</b></p> <p>Prerequisite: None Open to: Grades 11-12 Length: Full year Credits: 3.0 Fee: \$35.00 Lab fee</p>	<p>This program will prepare students for careers in the computer field. Students will install, maintain, upgrade, and repair computer hardware and software on workstations and network systems. This program will prepare students for the A+ Certification Exam. Upon successful completion of this program, students will be able to diagnose hardware or software failures and perform the actions necessary to correct the problems based on knowledge of the system's</p>
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<p>Supplies purchased by student required</p> <p>Course Number: TE3250, TE4250</p>	<p>operation. Additionally, students will learn how to provide the necessary support services to system users. Internships are available to students with local business partners.</p> <p>*Students may be eligible for up to 3 dual credits with the College of Lake County.</p>
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<p><b>LASER TECHNOLOGY 1 &amp; 2</b></p> <p>Prerequisite: Algebra 1 and Geometry-enrolled in Algebra 2, two years of science  Open to: Grades 11-12  Length: Full year  Credits: 3.0  Fee: \$15.00 Lab notebook</p> <p>Course Number: TE3950, TE4950</p>	<p>This program will offer students hands on learning with state-of-the art optical and laser equipment. Photonics is the technology of generating and harnessing light and other forms of radiant energy whose quantum unit is the photon. Photonics involves cutting-edge uses of lasers, optics, fiber-optics, and electro-optical devices in numerous and diverse fields of technology, manufacturing, health, telecommunication, environment monitoring, homeland security, aerospace, green construction and many others.</p> <p>*Students may be eligible for up to 16 dual credits with the College of Lake County.</p>
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## HUMAN SERVICES

<p><b>CERTIFIED NURSE ASSISTING</b></p> <p>Prerequisite: None  Open to: Grade 12  Length: Full year  Credits: 3.0  Fee: \$73.00 Lab fee (1st year students)  \$53.00 Lab fee (2nd year students)  \$5.00 Lock replacement fee  Supplies purchased by student required</p> <p>Course Number: TE4100</p>	<p>This program is designed to prepare students for employment as nurse assistants and for future entry into nursing education programs. This program leads to a CNA certification. Training will include the development of basic nursing and cardiopulmonary resuscitation skills through lecture, laboratory demonstrations, laboratory practice, and clinical experience. Instruction in this program includes a minimum of forty clinical hours held in long-term facilities in the community. Upon successful completion of this program, students will be eligible to take the written examination for the nurse assistant state certification. Students in this program must be seniors.</p> <p>*Students may be eligible for up to 7 dual credits with the College of Lake County.</p>
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<p><b>COSMETOLOGY 1 &amp; 2</b></p> <p>Prerequisite: None  Open to: Grades 11-12  Length: Full year  Credits: 4.0  Fee: \$320.00 Kit fee (1st year students)  Replacement items (2nd year students)  \$5.00 Lock replacement fee  Supplies purchased by student required</p> <p>Course Number: TE3300, TE4300</p>	<p>The Tech Campus offers a Cosmetology program that includes nail technology. Students will acquire the 1500 hours of experience required for licensing while learning how to perform shampoos, make-overs, facials, hair-styling, manicuring, sculptured nails, permanent waving, hair coloring, and cutting. Following the lab phase of the program, students will reinforce their training by working on clients in the Tech Campus Creations Salon.</p> <p>The Cosmetology program is only offered 3<sup>rd</sup> session (12:30-5:00 pm). Cosmetology students are required to attend Saturday sessions and Summer School.</p>
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<p><b>CRIMINAL JUSTICE</b></p> <p>Prerequisite: None  Open to: Grades: 11-12  Length: Full year  Credits: 3.0  Fee: \$48.00 Lab fee (1st year students)  \$23.00 Lab fee (2nd year students)  \$20.00 Program polo shirt  \$5.00 Lock replacement fee  Supplies purchased by student required</p> <p>Course Number: TE3350</p>	<p>The class will cover ethical considerations for criminal justice professionals and challenges to police officers as well as constitutional considerations for policing. The class will also cover functions and structure of the court and judicial system. Further topics will include correctional institutions, current and pending court cases, juvenile justice and role playing opportunities related to criminal justice.</p> <p>*Students may be eligible for up to 6 dual credits with the College of Lake County</p>
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<p><b>LAW ENFORCEMENT &amp; CRIME SCENE INVESTIGATION</b></p> <p>Prerequisite: None  Open to: Grades: 11-12  Length: Full year  Credits: 3.0  Fee: \$48.00 Lab fee (1st year students)  \$23.00 Lab fee (2nd year students)  \$20.00 Program polo shirt  \$5.00 Lock replacement fee  Supplies purchased by student required</p> <p>Course Number: TE4350</p>	<p>This program prepares students for careers in the policing field. The class will focus on police procedures that are standard to a new police officer and the steps that are necessary to take to continue into a career of policing. The class will also explore basic crime scene investigation, Interview and interrogation methods, and a study of criminal investigation.</p> <p>*Students may be eligible for up to 6 dual credits with the College of Lake County</p>
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<p><b>CULINARY ARTS 1 &amp; 2</b></p> <p>Prerequisite: None  Open to: Grade 11-12  Length: Full year  Credits: 3.0  Fee: \$123.00 Lab fee (1st year students)  \$42.00 Lab fee (2nd year students)  Fee for uniform replacement if necessary  \$5.00 Lock replacement fee  Supplies purchased by student required</p> <p>Course Number: TE3400, TE4400</p>	<p>This program provides culinary and hospitality management education designed to prepare students for the many positions in the hospitality industry. Students will gain skills and knowledge in cold and hot food preparation, nutrition, baking, pastry, menu planning, sanitation, equipment operation, inventory control, purchasing, and front-of-the-house customer service skills. Skills will be practiced in planning, organizing, and preparing culinary creations for special events, competitions and the Tech Campus Deli.</p> <p>*Students may be eligible for up to 10 dual credits with the College of Lake County.</p>
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<p><b>EARLY EDUCATION &amp; TEACHING 1 &amp; 2</b></p> <p>Prerequisite: Child Development  Open to: Grades 11-12  Length: Full year  Credits: 3.0  Fee: \$42.00 Lab fee (1st year students)  \$15.00 Lab fee (2nd year students)</p>	<p>This program is designed to prepare students for a variety of careers serving children. Students will develop skills to plan and implement age-appropriate activities in one of the two operating preschool labs. These skills include developing educational activities for the preschool children in creative arts, math, science, music, and language. Instruction will focus on the positive guidance of child behavior and all aspects of their development.</p>
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<p>\$5.00 Lock replacement fee Supplies purchased by student required</p> <p>Course Number: TE3500, TE4500</p>	<p>*Students may be eligible for up to 6 dual credits with the College of Lake County.</p>
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<p><b>EMERGENCY MEDICAL SERVICES</b></p> <p>Prerequisite: None Open to: Grade 12 Length: Full year Credits: 3.0 Fee: \$145.00 Lab fee (1st year students)       \$75.00 Lab fee (2nd year students)       \$20.00 Program polo       \$5.00 Lock replacement fee Supplies purchased by student required</p> <p>Course Number: TE4550</p>	<p>This program prepares students to take the licensure examination of the Illinois Department of Public Health to become certified as an EMT-B. Activities include clinical experiences in a hospital emergency room and ride alongs with local Fire/EMS departments. Students will learn American Heart Association Healthcare Provider CPR, patient assessment, stabilization, and initial pre hospital medical treatment of injured and ill patients. Students in this program must be a senior in high school.</p> <p>*Students may be eligible for up to 7 dual credits with the College of Lake County.</p>
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<p><b>FIREFIGHTING 1 &amp; 2</b></p> <p>Prerequisite: None Open to: Grades 11-12 Length: Full year Credits: 3.0 Fee: \$119.00 Lab fee (with optional textbook)       \$59.00 Lab fee (w/out optional textbook)       \$20.00 Program polo       \$9.00 Lock &amp; safety glass replacement fee Supplies purchased by student required</p> <p>Course Number: TE3600, TE4600</p>	<p>This program is designed to prepare students for entry-level fire fighter positions. Skills taught are: understanding fire chemistry, wearing personal protective clothing, identifying ropes, tying knots, using fire extinguishers, performing forcible entry, carrying and raising ladders, operating self-contained breathing apparatus, employing search and rescue techniques, working with ventilation tools, and practicing hose evolutions on an operating fire engine. Leadership and communication skills help prepare the student for future certification.</p> <p>*Students may be eligible for up to 3 dual credits with the College of Lake County</p>
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<p><b>MEDICAL ASSISTING</b></p> <p>Prerequisite: None Open to: Grades 11-12 Length: Full year Credits: 3.0 Fee: \$100.00 Lab fee Supplies purchased by student required</p> <p>Course Number: TE3750</p>	<p>This program introduces students to a wide variety of careers in the allied health field including medical lab technician, medical assistant, and medical office professional. Training will include medical terminology, communication, body structure and function, vital sign measurement, principles of infection control, medical instrumentation, pharmacy technology, medical office assistant certification procedures, and microscope usage.</p> <p>*This course may be eligible for articulated credit with the College of Lake County.</p>
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## MANUFACTURING/INDUSTRIAL

<p><b>ROBOTICS AND AUTOMATION</b></p> <p>Prerequisite: None Open to: Grades 11-12 Length: Full Year (1<sup>st</sup> session only) Credits: 3.0 Fee: \$9.00 Lab fee (1st year students) \$9.00 Lock &amp; safety glass replacement fee Students must purchase their own tools</p> <p>Course Number: TE5300</p>	<p>Consider a career in Mechatronics. The field combines mechanics, electronics and computer technologies to create “smart” products that improve lives in countless ways. Mechatronics technicians help design, install, maintain and repair industrial equipment and a wide variety of appliances used in businesses and at home. These range from personal and industrial robots to artificial limbs, automatic teller machines (ATM’s) and hybrid cars-just to name a few.</p> <p>*Students may be eligible for up to 4 dual credits with the College of Lake County.</p>
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<p><b>WELDING AND FABRICATION 1 &amp; 2</b></p> <p>Prerequisite: Intro. to Industrial Tech. or Geometry Open to: Grades 11-12 Length: Full Year Credits: 3.0 Fee: \$130.00 Lab fee (1st year students) Replacement items (2nd year students) \$9.00 Lock &amp; safety glass replacement fee Students must purchase their own tools</p> <p>Course Number: TE3900, TE4900</p>	<p>This program provides hands-on experiences gained from extensive practice and application of knowledge in shop safety, oxy-fuel welding and burning, arc welding, (stick, MIG, TIG), plasma arc cutting, and automatic shape cutting. Layout and fit-up, blueprint reading, and weld symbols are used to fabricate a variety of metal projects. The American Welding Society (AWS) recognizes the Tech Campus Welding program as an Educational Instruction Member.</p> <p>*Students may be eligible for up to 8 dual credits with the College of Lake County.</p>
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## TRANSPORTATION

<p><b>AUTOMOTIVE COLLISION REPAIR 1 &amp; 2</b></p> <p>Prerequisite: None Open to: Grades 11-12 Length: Full year Credits: 3.0 Fee: \$120.00 Lab fee (1st year students) \$33.00 Lab fee (2nd year students) \$9.00 Lock &amp; safety glass replacement fee</p> <p>Course Number: TE3150, TE4150</p>	<p>This program provides students with the fundamental skills of the automotive collision repair industry. Instruction in the program emphasizes both the repair and the refinishing skills associated with restoring a damaged automobile to factory specifications. Using an industry-endorsed curriculum, students will develop core skills in automobile construction, sheet metal damage repair, MIG welding, and basic refinishing. Upon mastery of the skills in core areas, students will gain skills in damage estimating, shop management, heavy collision repair, and finish matching.</p> <p>*Students may be eligible for up to 21 dual credits with the College of Lake County.</p>
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<p><b>AUTOMOTIVE SERVICE 1 &amp; 2</b></p> <p>Prerequisite: None Open to: Grades 11-12 Length: Full year Credits: 3.0 Fee: \$111.50 Lab fee (1st year students) \$50.00 Lab fee (2nd year students)</p>	<p>This program will provide students with a solid foundation of skills to enter the automotive service industry. Training in the program emphasizes the development of skills in the core service areas utilizing factory procedures and industry standards in the school’s fully operational repair shop. Instruction will feature training on brakes, steering and suspension, electrical systems, and engine performance. Upon successful completion of this program, students will be prepared to take the ASE (Automotive Service Excellence)</p>
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<p>\$9.00 Lock &amp; safety glass replacement fee Students must purchase their own tools</p> <p>Course Number: TE3000, TE4000</p>	<p>certification exams in the areas emphasized in the program.</p> <p>*This course may be eligible for articulated credit with the College of Lake County.</p>
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### PROJECT LEAD THE WAY (Specialization Courses)

<p><b>INTRODUCTION TO ENGINEERING DESIGN (Semester 1)</b></p> <p>Prerequisite: None Open to: Grades 11-12 Length: 1 Semester Credits: 1.5 Fee:</p> <p>Course Number: TE5050</p>	<p>In this course students use 3D solid modeling design software to help them design solutions to solve proposed problems. Students will learn how to document their work and communicate solutions to peers and members of the professional community. The major focus of the IED course is to expose students to the design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards and technical documentation.</p>
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<p><b>PRINCIPLES OF ENGINEERING (Semester 2)</b></p> <p>Prerequisite: None Open to: Grades 11-12 Length: 1 Semester Credits: 1.5 Fee:</p> <p>Course Number: TE5000</p>	<p>In this course students will be exposed to some of the major concepts encountered in a postsecondary engineering course of study. Students have an opportunity to investigate engineering and high tech careers along with developing skills and understanding of course concepts. Students employ engineering and scientific concepts to find solutions to engineering design problems. They develop problem solving skills and apply their knowledge of research and design to create solutions to various challenges. Students also learn how to document their work and communicate their solutions to peers and members of the professional community.</p>
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<p><b>COMPUTER INTEGRATED MANUFACTURING (Semester 1)</b></p> <p>Prerequisite: None Open to: Grades 11-12 Length: 1 semester (3<sup>rd</sup> session only) Credits: 1.5 Fee:</p> <p>Course Number: TE 5150</p>	<p>This course identifies the opportunities related to understanding manufacturing by providing students with the opportunities to come up with ideas, testing scientific principles and perfecting the product engineering. At the same time, teaching students about manufacturing processes, product design, robotics, and automation. Students can earn a virtual manufacturing badge recognized by the National Manufacturing Badge system.</p>
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<p><b>CIVIL ENGINEERING AND ARCHITECTURE (Semester 2)</b></p> <p>Prerequisite: None Open to: Grades 11-12 Length: 1 semester (3<sup>rd</sup> session only) Credits: 1.5 Fee:</p>	<p>In this course students will get a chance to discover Architecture and Engineering from the perspective of making a difference and the potential to enrich the human experience with structures by grasping the understanding of building and site development. In addition students will apply math, science and standard engineering practices to design both residential and commercial projects through the use of REVIT, 3D architecture design software.</p>
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Course Number: TE5100

### **PRINCIPLES OF BIOMEDICAL SCIENCE**

Prerequisite: None

Open to: Grades 11-12

Length: 1 semester (Semester 1)

Credits: 1.5

Fee:

Course Number: TE5060

Students will study various health conditions including heart disease, diabetes and sickle cell disease, among others. They will work to investigate the causes of these diseases and how they may ultimately lead to illness and harm. This course covers topics related to human physiology and medicine, and serves as a basis for all other Biomedical Sciences courses.

### **HUMAN BODY SYSTEMS**

Prerequisite: None

Open to: Grades 11-12

Length: 1 semester (Semester 2)

Credits: 1.5

Fee:

Course Number: TE5080

Students will explore the human body and discover how all systems relate and connect to each other. Use data acquisition software to monitor movements of the human body and determine how functions like muscle movement work. Explore the identity of the human body and what kind of power and movement it is capable of.

## **CONSTRUCTION SKILLS AND MANAGEMENT**

### **CONSTRUCTION SKILLS AND MANAGEMENT 1**

Prerequisite: None

Open to: Grades 11-12

Length: Full year

Credits: 3.0

Fee:

Course Number: TE5200

This course provides students with an introduction to careers in the field of architecture, construction contracting, and civil engineering technology, including surveying. The program offers an overview and analysis of conventional construction methods with a focus on carpentry, HVAC, electrical, plumbing, environmental impacts on construction and overall construction safety. The hands-on use of building materials and tools in various construction systems is emphasized, including basic design of temporary structures. To further enrich students' experience, case studies and guest speakers are utilized to expose students to various professions and careers in the field. The course also provides students with resources for interdisciplinary academic success.

### **CONSTRUCTION SKILLS AND MANAGEMENT 2**

Prerequisite: None

Open to: Grades 11-12

Length: Full year

Credits: 3.0

Fee:

Course Number: TE5250

This course provides students with fundamental knowledge and skills in job planning and scheduling. Students will be involved in all phases of planning and scheduling from the process of listing and sequencing to the development of the more complicated critical path network. In addition, students will review construction specifications and how they relate to national, state, and local building codes. Topics related to job safety and Occupational, Safety, and Health Administration (OSHA) regulations will also be discussed.

## TELEVISION AND MEDIA

COURSE	CREDIT	OPEN TO	PREREQUISITE
Beginning Media	0.5	9-12	None
Advanced Media	0.5	9-12	Beginning Media

**Advanced Media may be repeated for honors credit**

<p><b>BEGINNING MEDIA</b></p> <p>Prerequisite: None            Open to: Grades 9-12            Length: 1 semester            Credits: 0.5</p> <p>Course Number: BU1400</p>	<p>In Beginning Media, students will learn the basics of TV production; working in front of and behind the camera in an authentic TV studio where they will create multiple talk shows. They will further develop these skills as they write, record, and assemble complete newscasts including “on the spot” locations, weather, and sports using green screen technology and virtual sets.</p> <p>When students are not in the studio they will also produce original video stories where they will learn how to complete all the stages of any video story: planning, shooting with a camera, and editing on a computer. This class may contain the word “Media” in the title however students also will learn the skill of writing, communication, and collaboration. This class is taught with a “hands on” approach to learning all about TV productions and video editing. This class is designed for the majority of the work to be done in class with minimal responsibilities outside of class. No experience is necessary.</p>
<p><b>ADVANCED MEDIA</b></p> <p>Prerequisite: Beginning Media            Open to: Grades 9-12            Length: 1 semester            Credits: 0.5</p> <p><b>(May be repeated for honors credit)</b></p> <p>Course Number: BU1500</p>	<p>In Advanced Media, students will enhance their skills of video storytelling and journalism. They will create “news” stories as well as short-term challenge videos that focus on an assigned themes designed to build specific skills. In addition, during the 2nd half of the class they will assemble, crew, and anchor Mundelein’s “Friday Focus” where their investigative news stories are broadcast to both the school and the Mundelein community.</p> <p><b>At the Honors Level:</b> Students begin their experience in this class by creating news packages about activities at the school, as well as the Mundelein Community. Many of the stories will be included in the “Friday Focus” each week, which will also be assembled by the Honors students the first part of the term. In addition, student work will be created to build a video portfolio and entered into local and national video festivals. These stories will replicate real authentic industry work as they will learn the art of intentional communication, as they plan out interviews, organize people together for video shoots, and create a</p>

	<p>message that will reach audiences. Finally, the course will also connect the student to a network of professional mentors as well as a variety of local “media” universities that are explored and visited. This course is for the student who is serious about further investigating/pursuing a career in film, journalism, video production, and marketing. Due to the breadth of different projects, as well as increasing student skill levels, this course can be repeated multiple times for additional Honors credit.</p>
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## THEATRE

Technical Theatre	1.0	9-12	None
Introduction to Theatre	0.5	9-12	None
Beginning Acting	0.5	9-12	Intro. to Theatre is recommended but not required
Theatre Studio	1.0	10-12	Beginning Acting or department recommendation

<p><b>TECHNICAL THEATRE</b></p> <p>Prerequisite: None          Open to: Grades 9-12          Length: 2 semesters          Credits: 1.0</p> <p>Course Number: TH1300</p>	<p>Technical Theatre introduces students to the basic elements of theatre production and design. Students study theatre terminology, set design and construction, scene painting, stage lighting, sound, costuming, props, and make-up. Students will have the opportunity to apply these skills to stage productions at Mundelein High School.</p>
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<p><b>INTRODUCTION TO THEATRE</b></p> <p>Prerequisite: None          Open to: Grades 9-12          Length: 1 semester          Credits: 0.5</p> <p>Course Number: TH1000</p>	<p>Introduction to Theatre exposes students to a variety of the elements that make up the art form of theatre. Areas of focus include improvisation/theatre games, theatre terminology, theatre history, structure of play production, and the basic elements of technical theatre.</p>
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<p><b>BEGINNING ACTING</b></p> <p>Prerequisite: Intro. to Theatre is recommended but not required          Open to: Grades 9-12          Length: 1 semester          Credits: 0.5</p> <p>Course Number: TH1100</p>	<p>Beginning Acting builds on the background established in Introduction to Theatre, focusing on creating honest, believable characters and situations. Techniques will include character development, script analysis, voice and body training, motivation, and focus.</p>
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<p><b>THEATRE STUDIO</b></p> <p>Prerequisite: Beginning Acting or department recommendation          Open to: Grades 11-12          (10<sup>th</sup> grade with department recommendation)          Length: 2 semesters          Credits: 1.0</p> <p>Course Number: TH1200</p>	<p>Theatre Studio is an in-depth, multi-leveled study of skills and techniques introduced in Beginning Acting. Advanced acting techniques are developed through further scene study, improvisational situations, and monologues written by modern playwrights. A history of the American Musical Theatre is included.</p> <p>This course may be repeated for additional credit.</p>
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## WELLNESS

COURSE	CREDIT	OPEN TO	PREREQUISITE
Health	0.5	9	None
Freshman PE	0.5	9	None
Freshman PE Strength	0.5	9	None
Sports and Fitness*	0.5	10-12	None
Adventure Education	0.5	10-12	None
Strength 1	1.0	10-12	None
Strength 2	1.0	10-12	1 semester of Freshman Strength or 2 semesters of Strength 1
Dance	0.5	9-12	None
PE Group Fitness	0.5	10-12	None
PE Adaptive	1.0	9-12	Department recommendation
Driver Education	0.5	10-12	Course placement is by birth date

\*This course will also be offered with an early bird option.

1. Freshmen will be required to complete Freshman Health and Freshman PE. This will count as their high school health requirement.
2. Sophomores will be assigned 2 semesters of PE each year as mandated by State Law. A student enrolled in both phases of Driver Education will earn 1 semester of PE credit. Students may take additional PE classes as electives.
3. Juniors and Seniors will be assigned 2 semesters of PE each year as mandated by State law. Students may take additional PE classes as electives.
4. All students will be expected to have a PE t-shirt and a PE lock. PE t-shirt can be purchased from the Mustang Spirit Store at the high school for a reasonable cost
5. All Wellness courses count toward GPA, class rank (where applicable), and honor roll.
6. All Wellness courses will utilize the aquatic center during the semester and heart rate monitors each week.
7. Students may apply for a Physical Education waiver due to one of the following reasons:
8. Medical: The Medical Waiver requires a doctor's statement which includes limitations and specific dates for the waiver. Students who waiver from PE and are in a PE and will miss more than 37 days of the semester will receive a "P" (passing grade) and 0.5 credit that will not count toward GPA. Students who waiver from the first part of the semester and return for more than 38 days of

the class will receive a letter grade and 0.5 credit toward GPA. IF A PHYSICAL EDUCATION STUDENT IS ALSO A STUDENT ATHLETE, ANY MEDICAL RESTRICTIONS IN PHYSICAL EDUCATION WILL ALSO AFFECT THEIR ATHLETIC PARTICIPATION.

9. Athletic: Students who are participating in a MHS athletic program may waive Physical Education only during the season in which they participate. Students who drop from the sport or elect not to participate, unless for medical reasons, will be re-enrolled in the Physical Education class. The regular course change policy will be in effect for all requests. Students who elect this plan will receive a “P” (passing grade) and 0.5 credit that will not count toward GPA.

## Wellness Athletic Exemption Policy

Students in grades 9-12 may request an athletic exemption from Physical Education if they satisfy the following criteria:

- The student-athlete is enrolled in 6 academic and credit bearing courses
- The student athlete can only exempt out of the competition season of Varsity Cheerleading and Varsity Dance
- The student-athlete has never failed a wellness class and currently holds a “C” or better
- A student-athlete will be placed in a study hall during the season and will be re-enrolled in his/her physical education class at the end of the regular season.

The following procedure must be completed by the student. No action will be taken until all steps and signatures have been fulfilled: **THIS IS DUE NO LATER THAN 5 SCHOOL DAYS AFTER THE IHSA OPENING DAY OF THEIR SEASON.**

- The student-athlete must obtain the Wellness exemption form from the counseling office. The form will be returned to the wellness department chair (Located in D14) in order to complete the process. **Signatures required (in order)**: Student, Coach, Parent, Wellness instructor, counselor, Wellness department chair.
- The student/parent must sign the form indicating they understand the rules and regulations of the Athletic Exemption Privilege and the consequences of failing to abide by any part of the regulations.
- Each request will be processed on an individual basis. The request does not guarantee approval. Students will be notified by their Wellness teacher or Department chair if the waiver was approved. Students should continue to go to class until this approval is communicated.
- The winter athlete must report to their Wellness class at the start of second semester. They will be exempt beginning the following day.
- If the student is exempt for the entire semester, a grade of “P” will be placed as the semester grade. If the student misses more than 9 weeks of the semester, a grade of “P” will be placed as the semester grade. If a student waives less than 9 weeks, an academic grade will be provided.
- Students are required to be back in class **the day after their last competition.**
- If a student leaves the sport for any reason (resigning, failure to participate, involuntary exit), they are required to report back to class on the day of their exit from the sport. Coaches will notify the wellness department chair upon any unexpected exits.

<p><b>HEALTH</b></p> <p>Prerequisite: None</p> <p>Open To: Grade 9</p> <p>Length: 1 semester</p> <p>Credits: 0.5</p> <p>Course Number: WE7100</p>	<p>This course provides a comprehensive overview of health and wellness. The impact of lifestyle choices on all aspects of personal health are discussed including physical, mental, emotional, social, and environmental factors. The course will explore topics related to nutrition, physical fitness, stress management, disease prevention, substance abuse, and healthy relationships. Students will also receive information and skills necessary for making informed and healthful decisions to promote wellness with an emphasis on decision</p>
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<p><b>FRESHMAN PE</b></p> <p>Prerequisite: None</p> <p>Open To: Grade 9</p> <p>Length: 1 semester</p> <p>Credits: 0.5</p> <p>Course Number: WE7100</p>	<p>This course will provide an introduction to physical fitness concepts, along with safety techniques and exposure to a variety of physical fitness apparatus to provide lifelong knowledge. Students will learn sports related activities in individual and group settings. The students will participate in activities such as but not limited to: tennis, badminton, volleyball, basketball, soccer, and floor hockey. Students will learn and have the opportunity to receive CPR/AED certification. Students will perform fitness testing at the beginning and end of the semester. Heart rate monitors will be used throughout the semester. A Mundelein High School Physical Education shirt is required.</p>
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<p><b>FRESHMAN PE STRENGTH</b></p> <p>Prerequisite: None</p> <p>Open To: Grade 9</p> <p>Length: 1 semester</p> <p>Credits: 0.5</p> <p>Course Number: WE1200</p>	<p>This class will follow very closely to "Strength 1," with modifications being made for the age and experience level of each Freshman student. Students will learn and have the opportunity to receive CPR/AED certification. A Mundelein High School Physical Education shirt is required.</p>
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<p><b>SPORT AND FITNESS</b></p> <p>Prerequisite: None</p> <p>Open To: Grades 10-12</p> <p>Length: 1 semester</p> <p>Credits: 0.5</p> <p>Course Number: WE2000</p> <p>*This course will also be offered as an Early Bird option.</p>	<p>Sport and Fitness is designed for the student that enjoys sports and fitness related activities in individual and group settings. The students will participate in activities such as: tennis, badminton, volleyball, basketball, soccer, and floor hockey. The students will also participate in fitness activities such as circuit training, spin classes, running, and swimming. Students will perform fitness testing at the beginning and end of the semester. Heart rate monitors will be used throughout the semester. A Mundelein High School Physical Education shirt is required.</p>
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<p><b>ADVENTURE EDUCATION</b></p> <p>Prerequisite: None</p> <p>Open To: Grades 10-12</p> <p>Length: 1 semester</p> <p>Credits: 0.5</p> <p>Course Number: WE2500</p> <p>Athletic exemptions not permitted</p>	<p>This course is designed for students to gain knowledge and insight into a variety of initiatives, rope elements, and outdoor activities. Many life time and leisure skills are acquired through active participation in the various units. Through all these experiences, students will gain self-confidence, while learning how to trust, cooperate, and communicate more effectively with each other.</p>
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<p><b>STRENGTH 1</b></p> <p>Prerequisite: None</p> <p>Open To: Grades 9-12</p>	<p>This class is designed for the dedicated student who wants to learn and be introduced to the basics of a strength training program. This class is an attempt to</p>
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<p>Length: 2 Semesters Credits: 1.0</p> <p>Course Number: WE5300</p>	<p>optimize physical competence in ten fitness domains (endurance, stamina, strength, flexibility, power, speed, coordination, agility, balance, and accuracy). The class is designed for universal scalability, making it the perfect application for any committed student regardless of athletic experience or ability level. Students will be taught basic strength training concepts and techniques, as well as power and olympic lifts. Other fitness concepts will be discussed, that includes, but is not limited to plyometrics, speed and agility drills, interval training and aquatic activities. The weekly course schedule will change daily. Students will be assessed with a muscular strength and aerobic capacity growth model. Students will perform fitness testing at the beginning and end of the semester. Heart rate monitors will be used throughout the semester. A Mundelein High School Physical Education shirt is required.</p>
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<p><b>STRENGTH 2</b> Prerequisite: 1 semester of Freshman Strength or 2 semesters of Strength 1 Open To: Grades 10-12 Length: 2 Semesters Credits: 1.0</p> <p>Course Number: WE5600</p>	<p>This class is designed for the student that is also competing in athletics. This Strength class is designed to provide an opportunity for athletes to participate in a structured strength and athletic enhancement program. Every athlete, no matter their sport, will follow a similar program. There will be differentiation between In-Season and Off-Season athletes. Movements are the same for each, difference is with intensity (weight) and volume (# of reps). Other fitness concepts will be discussed, that includes, but is not limited to plyometrics, speed and agility drills, interval training and aquatic activities. Students will perform fitness testing at the beginning and end of the semester. Heart rate monitors will be used throughout the semester. A Mundelein High School Physical Education shirt is required.</p>
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<p><b>DANCE</b> Prerequisite: None Open To: Grades 10-12 Length: 1 semester Credits: 0.5</p> <p>Course Number: WE5000</p> <p>Required attire: Black pants and solid colored sports tank shirts.</p> <p>Athletic exemptions not permitted.</p>	<p>This is a one semester course in the art, craft and science of modern dance for all level dancers. Ballet, jazz and ethnic forms will be integrated into the curriculum. The purpose of this course will be to introduce students to the basic technical, sensory, expressive, and formal elements of dance and consequently develop their artistic appreciation. Students will be assessed on movement fundamentals and dance terminology. There will be some exploration of the role of dance in historical, social and cultural contexts. This course will also address issues of health, safety, and wellness that are of particular interest and importance to adolescent dancers. There will be mandatory participation in the dance recital. This course can be repeated. Heart rate monitors will be used throughout the semester. Students will perform</p>
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	fitness testing at the beginning and end of the semester.
<p><b>PE GROUP FITNESS</b></p> <p>Prerequisite:</p> <p>Open To: Grades 10-12</p> <p>Length: 1 semester</p> <p>Credits: 0.5</p> <p>Course Number: WE3200</p>	<p>Group fitness is a class that will expose students to a “Group Exercise” experience similar to what is found at a health and fitness facility. The students will learn basic, intermediate, and advanced skills in Pilates, yoga, step aerobics, water aerobics, circuit training, cycling, high and low aerobics. Activities will also include strength training with resistance bands, TRX bands and free weights. Students will perform fitness testing at the beginning and end of the semester. Heart rate monitors will be used throughout the semester. A Mundelein High School Physical Education shirt is required.</p>
<p><b>PE ADAPTIVE</b></p> <p>Prerequisite: Department recommendation</p> <p>Open To: Grades 9-12</p> <p>Length: 2 semester</p> <p>Credits: 1.0</p> <p>Course Number: WE6000</p>	<p>The Adaptive Physical Education program mirrors the other physical education classes, with the same standards and objectives. The teacher makes adjustments to meet the needs and abilities of the students. Adaptations ensure safe, respectful, and beneficial participation for all students.</p>
<p><b>DRIVER EDUCATION</b></p> <p>Prerequisite: None</p> <p>Open To: Grades 10-12</p> <p>Length: 1 semester</p> <p>Credits: 0.5</p> <p>Course Number: WE8000</p> <p><b>Note: A course fee of \$350 and \$20 for an instructional permit are required. The \$350 course fee will be waived if there is a current (dated July/August 2019) MHS fee waiver on file.</b></p> <p><b>The \$20 instructional permit fee is paid to the Illinois Secretary of State and cannot be waived.</b></p> <p><b>All fees and fines must be paid before the student receives a permit.</b></p>	<p>Driver Education is a two phase course that emphasizes a philosophy of safety and collision prevention and practical application of driving skills. Each student will receive a minimum of 30 hours of classroom instruction; and 6 hours of behind-the-wheel instruction to meet state requirements. Students are required to participate in both phases of the course and have met the financial obligation by the end of the first week of the term that they are enrolled in.</p> <p>Students must have a passing grade in 8 classes of the previous 2 semesters in order to enroll in Driver Education.</p>

## WORLD LANGUAGES

<b>COURSE</b>	<b>CREDIT</b>	<b>OPEN TO</b>	<b>PREREQUISITE</b>
French 1	1.0	9-12	None
French 2	1.0	9-12	French 1 or department recommendation
French 3	1.0	10-12	French 2
Honors French 4	1.0	11-12	French 3
AP French	1.0	12	Honors French 4 or department recommendation
Spanish 1	1.0	9-12	None
Spanish 2	1.0	9-12	Spanish 1 or department recommendation
Spanish 3	1.0	10-12	Spanish 2
Honors Spanish 4	1.0	11-12	Spanish 3
Honors Spanish 5: Exploration of Latin American Culture	1.0	11-12	Spanish 4 or Honors Spanish for Heritage Learners 4 Can be taken before AP Spanish
AP Spanish	1.0	11-12	Honors Spanish 4 or Honors Spanish for Heritage Learners 4
Spanish for Heritage Learners 2	1.0	9-12	None or department recommendation
Spanish for Heritage Learners 3	1.0	9-12	Spanish for Heritage Learners 2 or department recommendation
Honors Spanish for Heritage Learners 4	1.0	10-12	Spanish for Heritage Learners 3 or department recommendation

Most colleges and universities require at least two years of a foreign language. There are a large number of competitive colleges and universities that recommend three to four years of foreign language study.

<p><b>FRENCH 1</b></p> <p>Prerequisite: None Open to: Grades 9-12 Length: 2 semesters Credits: 1.0 Course Number: WL1500</p>	<p>French 1 is designed to introduce students to the French language. The emphasis in this course will be on listening and speaking skills with a gradual introduction to reading and writing in the French language. Students' listening and speaking skills are developed through daily use of French in the classroom and the language lab Through an immersion-based approach, students will gain a basic foundation for communication. Students will also explore the culture, customs, and traditions of French-speaking countries.</p>
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<p><b>FRENCH 2</b></p> <p>Prerequisite: French 1</p>	<p>French 2 helps students advance their study of language structure to become more proficient readers and writers of the French. Through an immersion-based approach, students will further develop their skills in reading, writing,</p>
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<p>Open to: Grades 9-12  Length: 2 semesters  Credits: 1.0</p> <p>Course Number: WL2500</p>	<p>speaking and listening in the French language. Students will conduct a more advanced study of the culture and traditions of French-speaking countries.</p>
<p><b>FRENCH 3</b></p> <p>Prerequisite: French 2  Open to: Grades 10-12  Length: 2 semesters  Credits: 1.0</p> <p>Course Number: WL3500</p>	<p>French 3 enables students to further develop their speaking and writing proficiency. Students will begin to interpret authentic literature of greater length written by and for native speakers, and to respond to it both orally and in writing. Students will build on their conversational skills and further advance their ability to write in the French language. Through an immersion-based approach, students will improve their communication in French and deepen their understanding of French culture.</p>
<p><b>HONORS FRENCH 4</b></p> <p>Prerequisite: French 3  Open to: Grades 10-12  Length: 2 semesters  Credits: 1.0</p> <p>Course Number: WL4500</p>	<p>Honors French 4 emphasizes fluency of speech, expansion of vocabulary, interpretation of authentic literature, and further development of writing proficiency. Reading and writing skills will be enhanced as students will read, respond to, and interact with various French fiction and non-fiction texts. Through an immersion-based approach, students will become more fluent in the French language and develop a deeper understanding of French culture.</p>
<p><b>AP FRENCH</b></p> <p>Prerequisite: Honors French 4  Open to: Grade 10-12  Length: 2 semesters  Credits: 1.0</p> <p>Course Number: WL5500</p>	<p>Advanced Placement French is a fifth-year course. Students review structures from the previous four years in anticipation of the AP exam. Students also read and write about authentic literature from French-speaking countries.</p> <p><i>*It is highly recommended that all students in an Advanced Placement course take the Advanced Placement Exam offered each May by the College Board.</i></p>
<p><b>SPANISH 1</b></p> <p>Prerequisite: None  Open to: Grades 9-12  Length: 2 semesters  Credits: 1.0</p> <p>Course Number: WL1000</p>	<p>Spanish 1 is an immersion-based course where students will learn to read, speak, write, comprehend, and listen to the Spanish language. This course is for students who have not taken Spanish at the middle school level. This course will provide a basic introduction to the language in which students will be required to memorize and retain vocabulary and use it in its appropriate context. Students' listening and speaking skills are developed through an immersion based approach to language learning. Students will also explore the culture and traditions of Spanish-speaking countries.</p>
<p><b>SPANISH 2</b></p> <p>Prerequisite: Spanish 1, or department recommendation</p>	<p>Spanish 2 is designed to help students advance their study of language structure and usage to become more proficient readers and writers. This immersion-based course will further students' skills in speaking, listening, reading, and writing through the daily use of Spanish in the classroom</p>

<p>Open to: Grades 9-12  Length: 2 semesters  Credits: 1.0</p> <p>Course Number: WL2000</p>	<p>and the language lab. Students will read and interpret authentic literature written by native speakers and explore the culture, customs, and traditions of Spanish-speaking countries.</p>
<p><b>SPANISH 3</b></p> <p>Prerequisite: Spanish 2  Open to: Grades 9-12  Length: 2 semesters  Credits: 1.0</p> <p>Course Number: WL3000</p>	<p>Spanish 3 further develops spoken and written proficiency and advanced grammatical structure through an immersion-based approach. Students interpret authentic literature of greater length written by and for native speakers. Students will improve their fluency in the language through daily use of Spanish in the classroom and language lab. Students will develop an increased awareness of the culture of Spanish-speaking countries.</p>
<p><b>HONORS SPANISH 4</b></p> <p>Prerequisite: Spanish 3 or Spanish for Heritage Learners 3  Open to: Grades 10-12  Length: 2 semesters  Credits: 1.0</p> <p>Course Number: WL4000</p>	<p>Honors Spanish 4 increases appreciation for the Spanish-speaking world through advanced study of literature, geography, current events, popular culture, fine arts, and advanced grammar. Students will further improve their fluency in the language through daily use of Spanish in all activities and conversations. Students will examine specific cultural elements of Spanish speaking countries. This course will help students develop the skills needed to be successful in Advanced Placement Spanish Language.</p>
<p><b>HONORS SPANISH 5: EXPLORATION OF LATIN AMERICAN CULTURE</b></p> <p>Prerequisite: Honors Spanish 4 or Spanish for Heritage Learners 4  Open to: Grades 10-12  Length: 2 semesters  Credits: 1.0</p> <p>Course Number: WL4050</p>	<p>Honors Spanish 5 is designed for students (both native and non- native speakers of Spanish) who are proficient in Spanish and enjoy learning about Latin American culture. Students will examine authentic movies, music, customs, traditions, celebrations, dance, food, theater, and literature of Latin America. Conducted entirely in Spanish, this course will provide students with the opportunity to deepen their understanding of the rich cultural history and contemporary life of those individuals from Central and South America.</p>
<p><b>AP SPANISH LANGUAGE</b></p> <p>Prerequisite: Honors Spanish 4 or Spanish for Heritage Learners 3  Open to: Grades 10-12  Length: 2 semesters  Credits: 1.0</p> <p>Course Number: WL5000</p>	<p>AP Spanish is intended to prepare students for the comprehensive AP Exam. Students will review key language structures and an overview of authentic literature by Latino authors. This course follows the curriculum established by the College Board and prepares students to take the AP Spanish Language exam. Students will participate in active and meaningful communication and develop the ability to understand Spanish in a variety of contexts. Students should be able to speak in the Spanish language with reasonable fluency in both spoken and written Spanish.</p> <p><i>*It is highly recommended that all students in an Advanced Placement course take the Advanced Placement Exam offered each May by the College Board.</i></p>

<p><b>SPANISH FOR HERITAGE LEARNERS 2</b></p> <p>Prerequisite: Department recommendation  Open to: Grades 9-12  Length: 2 semesters  Credits: 1.0</p> <p>Course Number: WL2100</p>	<p>Spanish for Heritage Learners 2 is designed for students who understand some spoken Spanish, and who need strategies to develop their reading and writing abilities in the classroom. Students will learn how to read, write, and communicate in the Spanish language through a focus on authentic literature and culture of Latin America. Students will explore a variety of themes such as immigration and global challenges. They will also be a focus on “comparing various Spanish-speaking cultures within the Americas”. There will also be an in-depth focus on the culture, traditions, and customs of Spanish speaking countries.</p>
<p><b>SPANISH FOR HERITAGE LEARNERS 3</b></p> <p>Prerequisite: Spanish for Heritage Learners 2 or department recommendation  Open to: Grades 9-12  Length: 2 semesters  Credits: 1.0</p> <p>Course Number: WL3100</p>	<p>Spanish for Heritage Learners 3 is designed for students who fully understand spoken Spanish, and may need to further develop their reading and writing skills in the language. Students will learn how to more accurately read, write, and communicate in the Spanish language through a focus on authentic literature and culture of Latin America. Students will explore a variety of themes such as immigration, global challenges, and personal and public identities. There will also be an in-depth focus on the culture, traditions, and customs of Spanish speaking countries.</p>
<p><b>HONORS SPANISH FOR HERITAGE LEARNERS 4</b></p> <p>Prerequisite: Spanish for Heritage Learners 3 or department recommendation  Open to: Grades 10-12  Length: 2 semesters  Credits: 1.0</p> <p>Course Number: WL4100</p>	<p>Honors Spanish for Heritage Learners 4 is designed for students who fully understand spoken Spanish. It serves as a continuation of Heritage Learners 3. Students who take this course should have moderate proficiency in reading, writing, and speaking in the Spanish language. This course will focus on further enhancing student accuracy in reading, writing, and speaking in Spanish through a focus on authentic literature and current events of Latin America. This course also will prepare students to successfully take AP Spanish Language. Advanced Placement themes such as identity and contemporary life in Spanish-speaking countries will be explored.</p>