



2025 - 2026



# COURSE GUIDE

# WELCOME TO THE 2025-2026 COURSE GUIDE

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 and credits, course descriptions. 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 student, so they 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. Freshmen, sophomores, and juniors may request up to 7 periods for the year.

Beginning in November, 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 847-949-2200 if you have any questions. We look forward to working closely with you and your students to plan for an exciting and challenging 2022-2023 school year.

Best Regards,  
Dr. Alexandria Rios Taylor, Principal



To keep up-to-date on our current and upcoming events, be sure to check out our **EVENTS** page (<https://www.d120.org/events/>).

# TABLE OF CONTENTS

MHS Course Selection Guide	3	<b>Fine Arts</b>	<b>72</b>
Course Selection Process	3	Art	72
<b>Pathways</b>	<b>4</b>	Music	75
Career Pathways	6	Theatre	79
<b>Course Guide</b>	<b>16</b>		
English	17		
Math	24		
Science	31		
Social Studies	37		
PLTW Project Lead the Way	42		
Specialized Courses	45		
Physical Wellness	49		
World Languages	56		
<b>Career &amp; Technical Education</b>	<b>60</b>		
Business Education	60		
Family & Consumer Sciences	64		
Industrial Tech	67		
Broadcast Media	69		
Tech Campus	71		



# MHS COURSE SELECTION GUIDE

## COURSE GUIDE FEATURES:

- Prerequisites
- Grade level criteria
- Number of semesters
- Number of credits
- Course description
- 6 units of elective credits



Current MHS students will begin course selection for the next academic year in **December**. Eighth grade students will receive a mailing packet in **late December/early January** explaining the course selection process. In addition, the Class of 2027 Night event held in January will begin the course selection process for Eighth grade students.

## COURSE SELECTION PROCESS FOR 9<sup>TH</sup>-11<sup>TH</sup> GRADERS

Review the following links to become familiar with the course selection process for your incoming 9th grade student. Additional links are also provided for future planning.

• [Advanced Placement/Honors Recruitment Letter to Parents \(en español\)](#)

• [Accelerated Placement Act 2025-2026 \(en español\)](#)

• [Accelerated Placement Opt-Out Form for 2025-2026 \(en español\)](#)

• [Course Selection Letter/Instructions 2025-2026 \(en español\)](#)

• [Course Request Worksheet 2025-2026 \(en español\)](#)

• [Class of 2029 Placement Letter \(en español\)](#)

• [4-year Planning Guide](#)

• [Sample Student Schedules](#)

• [Summer School Options](#)

• [Career Pathways](#)



# PATHWAYS

## WHAT ARE PATHWAYS?

A Pathway comprises courses within one's area of interest, bridging high school to college or career. It serves as an educational roadmap, guiding students to relevant high school courses and postsecondary options aligned with their career goals. Pathways facilitate the acquisition of knowledge and skills essential for specific postsecondary programs and careers.

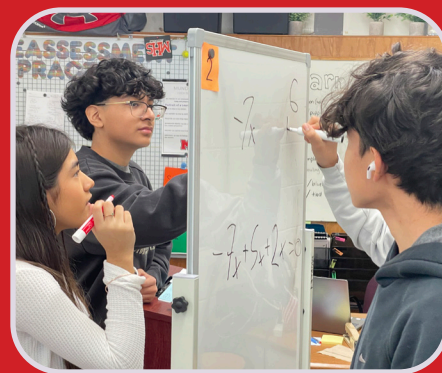
## WHY A PATHWAY?

Mundelein High School emphasize the importance of finding a career that ignites passion. Real-world skill acquisition in school aids in achieving this goal. Pathways offer a blend of curriculum, real-world learning, industry skills, and qualifications necessary for postsecondary success. Research indicates that students and families engaged in Pathways feel they gain a head start on their future careers. Pathway students also have opportunities to earn college credit in high school through Dual Credit programs. Historically, Pathway students surpass expectations, with nearly every state reporting higher graduation rates for them compared to all students.

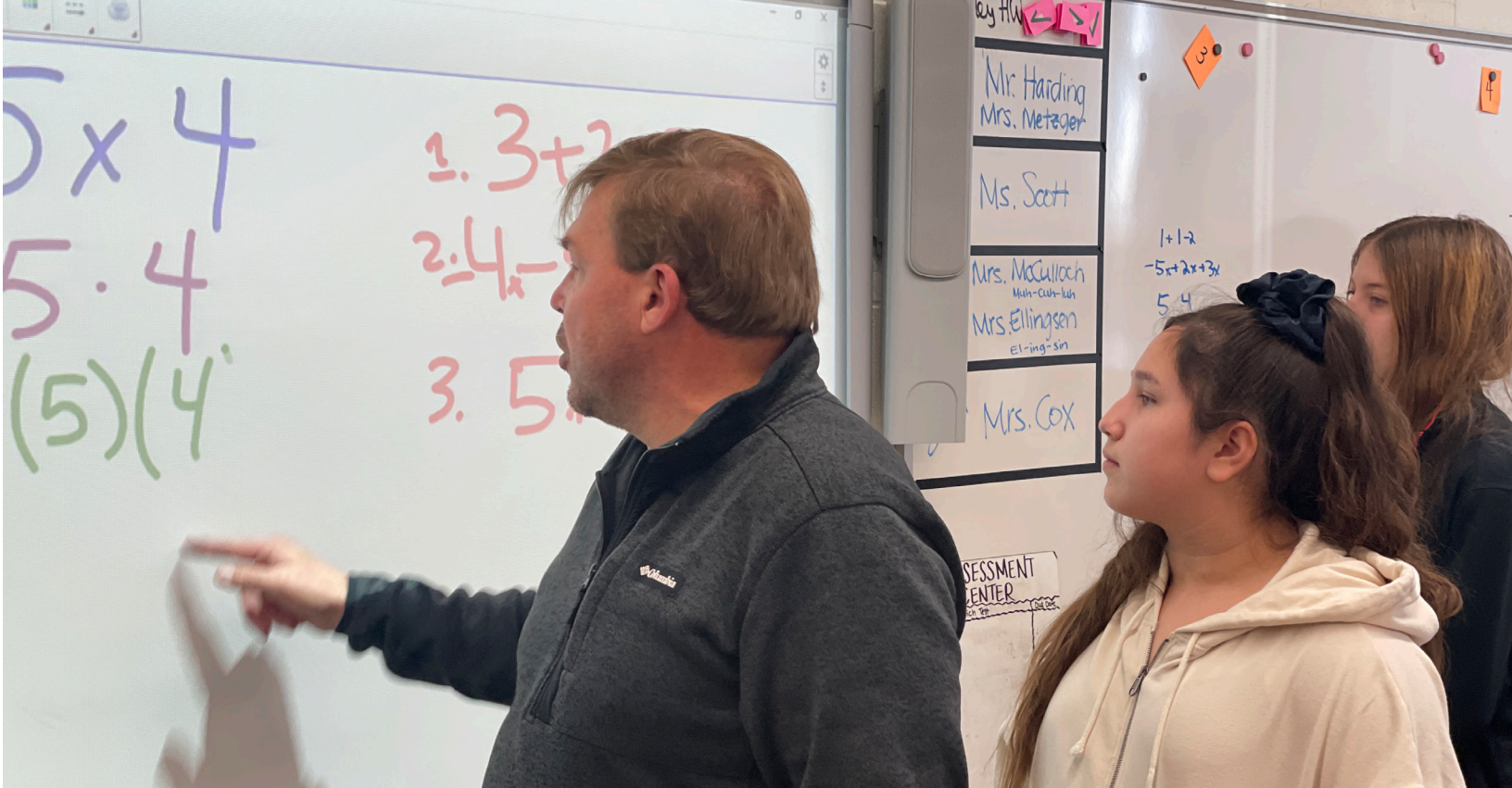
## WHAT IS REQUIRED FOR A STUDENT TO EARN A PATHWAY ENDORSEMENT?

To earn a College and Career Pathway Endorsement, a student must:

- Develop and maintain a postsecondary education or career plan, including a resume and personal statement, from grades 9-12.
- Participate in career exploration activities, team-based challenges, and supervised career development experiences totaling at least 60 hours.
- Demonstrate readiness for reading and math by high school graduation.

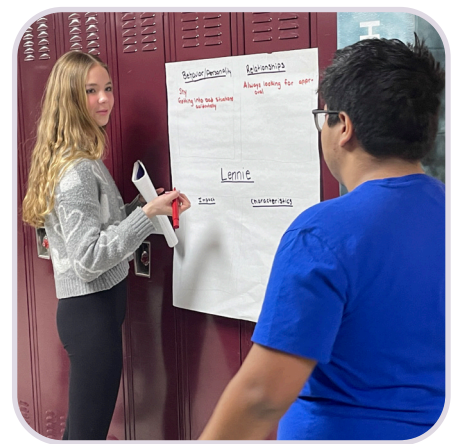
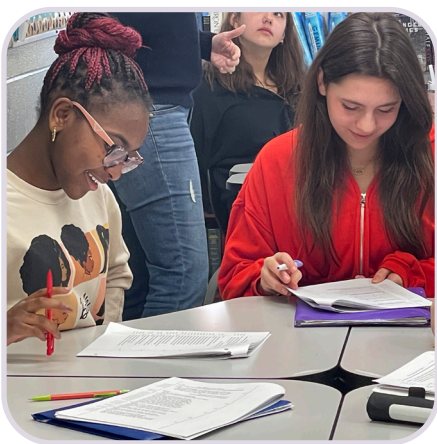






# CAREER PATHWAYS

<https://www.d120.org/academics/career-pathways/>



# CAREER PATHWAYS

Manufacturing, Engineering, Technology & Trades

## MANUFACTURING, ENGINEERING, TECHNOLOGY & TRADES



Pathway	MEGA (Manufacturing Education & Growth Alliance)	Engineering Design	Automated Manufacturing	Digital Electronics
<b>D120 Course Requirements</b>	Precision Machining 1* @ CLC (8 Dual Credits)	Dual Credit - PLTW Intro to Engineering Design*		
	Precision Machining 2* @ CLC (3 Dual Credits)	PLTW - Principles of Engineering	PLTW - Computer Integrated Manufacturing	PLTW - Digital Electronics
	<b>MEGA Internship*</b>	<b>Or 1 credit from the following choices</b>	<b>Dual Credit - Student Internship*</b>	
	<b>Recommended:</b> • Chemistry • Dual Credit - Intro to Engineering Design*	1. AP Physics 2. AP Calculus AB or BC	<b>Recommended:</b> • PLTW - Digital Electronics • PLTW - Principles of Engineering	
		<b>Dual Credit - Student Internship*</b>		
		<b>Recommended:</b> • PLTW - Digital Electronics • PLTW - Computer Integrated Manufacturing		
<b>Recommended Clubs</b>	Robotics Team, Science Olympiad, Car Club	Robotics Team, Science Olympiad	Robotics Team, Science Olympiad, Car Club	Robotics Team, Science Olympiad, Car Club

\*Dual Credit (see Page 63)



# CAREER PATHWAYS

Manufacturing, Engineering, Technology & Trades



Pathway	Nanosystems	Residential Construction	Construction Trades	Welding
<b>D120 Course Requirements</b>	Dual Credit - PLTW Intro to Engineering Design*	Introduction to Technical Design & Drafting	Construction Trades 1 @ Tech Campus*	Welding Technology 1 @ Tech Campus*
	Nanotechnology & Research	Construction 1	Construction Trades 2 @ Tech Campus*	Welding Technology 2 @ Tech Campus*
	<b>Dual Credit - Student Internship*</b>	Residential Construction	<b>Internship</b>	
	<b>Recommended:</b> <ul style="list-style-type: none"> <li>PLTW - Principles of Engineering</li> <li>STEM Inquiry &amp; Research</li> </ul>	<b>Dual Credit - Student Internship*</b>	<b>Recommended:</b> <ul style="list-style-type: none"> <li>Geometry in Construction</li> <li>Physics</li> <li>Dual Credit - PLTW Intro to Engineering Design*</li> <li>Introduction to Technical Design &amp; Drafting</li> <li>Construction 1</li> </ul>	<b>Recommended:</b> <ul style="list-style-type: none"> <li>Geometry in Construction</li> <li>Chemistry</li> <li>Dual Credit - PLTW Intro to Engineering Design*</li> <li>Introduction to Technical Design &amp; Drafting</li> <li>Construction 1</li> </ul>
		<ol style="list-style-type: none"> <li>Physics</li> <li>Geometry in Construction</li> <li>Dual Credit - PLTW Intro to Engineering Design*</li> </ol>		
<b>Recommended Clubs</b>	Science Olympiad	Robotics Team, Science Olympiad	Skills USA	

\*Dual Credit (see Page 63)

# CAREER PATHWAYS

## Arts & Communication

### ARTS & COMMUNICATIONS

Pathway	Broadcasting Media	Journalism Media	Graphic Design
<b>D120 Course Requirements</b>	Dual Credit - Beginning Media*	Journalism: News in the 21st Century	Art2D or Digital Photo/Design 1
	Dual Credit - Advanced Media 1*	<b>Choose 2 classes below</b>	Graphic Design 1
	<b>Choose 2 classes below for endorsement</b>	1. Speech 2. Digital Photo/Design I 3. Creative Writing	Honors Graphic Design 2
	1. Speech 2. Creative Writing 3. Graphic Design 1	<b>Dual Credit - Student Internship*</b>	
	<b>Dual Credit - Student Internship*</b>	<b>Recommended:</b> • Film as Literature	
<b>Recommended Clubs</b>	Broadcasting Team, Film Club	Broadcasting Team, Yearbook, Voices Literary Magazine	Art Club, Broadcasting Team

\*Dual Credit (see Page 63)

# CAREER PATHWAYS

Finance & Business Services



Pathway	Accounting	Economics	Business Management & Entrepreneurship
<b>D120 Course Requirements</b>	Dual Credit - Intro to Business (CLC Summer)*	AP Micro & Macroeconomics	Dual Credit - Intro to Business (CLC Summer)*
	Accounting (Articulated CLC credit)	<b>Choose at least 1.0 credit below</b>	Business INCubator
	Business Law	<ol style="list-style-type: none"> <li>1. Probability &amp; Stats/AP Statistics</li> <li>2. Psychology/AP Psychology</li> <li>3. Business Law</li> <li>4. Dual Credit - Intro to Business (CLC Summer)*</li> </ol>	<b>Choose at least 1.0 credit below</b>
	<b>Dual Credit - Student Internship*</b>		<ol style="list-style-type: none"> <li>1. Business Law</li> <li>2. Sports &amp; Entertainment Marketing</li> <li>3. Psychology/AP Psychology</li> <li>4. Probability &amp; Stats/AP Statistics</li> </ol>
	<b>Recommended:</b> • Probability & Stats/AP Statistics		<b>Dual Credit - Student Internship*</b>
<b>Recommended Clubs</b>	FBLA, Economics Team	Economics Team, FBLA, Model UN	

\*Dual Credit (see Page 63)

# CAREER PATHWAYS

Finance & Business Services



Pathway	Culinary Arts	Automotive Collision Repair	Automotive Service / Repair
<b>D120 Course Requirements</b>	Culinary Arts Year 1 @ Tech Campus*	Auto Collision Repair Year 1 @ Tech Campus*	Automotive Technician @ Tech Campus*
	Culinary Arts Year 2 @ Tech Campus*	Automotive Technician @ Tech Campus*	<b>Internship*</b>
	<b>Internship*</b>		<b>Recommended</b>
		<b>Recommended:</b> <ul style="list-style-type: none"> <li>Introduction to Technical Design &amp; Drafting</li> <li>Dual Credit - PLTW Intro to Engineering Design*</li> </ul>	<ul style="list-style-type: none"> <li>Introduction to Technical Design &amp; Drafting</li> <li>Dual Credit - PLTW Intro to Engineering Design*</li> </ul>
<b>Recommended Clubs</b>	Skills USA	Skills USA, Car Club	

\*Dual Credit (see Page 63)

# CAREER PATHWAYS

Human & Public Services



Pathway	ASPIRE Education Pathway Early Childhood, Elementary, & Secondary Education	Pre-Law & Legal Aides
<b>D120 Course Requirements</b>	Dual Credit - Foundations of Development*	Business Law
	Dual Credit - Introduction to Teaching*	Civil Law
	<b>AND</b>	Criminal Law
	AP Psychology	<b>0.5 credit or more from the following:</b>
	<b>OR</b>	Speech
	Child Development	Sociology
	Psychology	Psychology/AP Psychology
		Probability & Stats/AP Statistics
	<b>Dual Credit - Student Internship*</b>	
<b>Recommended Clubs</b>	Educators Rising, Best Buddies, Diversity Club, Link Crew	Mock Trial

Pathway	Cosmetology	Criminal Justice
<b>D120 Course Requirements</b>	Cosmetology Year 1 @ Tech Campus*	Criminal Justice @ Tech Campus*
	Cosmetology Year 2 @ Tech Campus*	Law Enforcement 1 @ Tech Campus*
	<b>Internship*</b>	<b>Internship*</b>
	<b>Recommended:</b> • Chemistry	<b>Recommended:</b> • Psychology or AP Psychology • Criminal Law
<b>Recommended Clubs</b>	Skills USA	

\*Dual Credit (see Page 63)

# CAREER PATHWAYS

Human & Public Services



Pathway	Firefighting	Emergency Medical Services
D120 Course Requirements	Firefighting @ Tech Campus*	Emergency Medical Services @ Tech Campus*
	Emergency Medical Services @ Tech Campus*	Medical/Clinical Assisting @ Tech Campus*
	<b>Internship*</b>	
	<b>Recommended:</b> <ul style="list-style-type: none"> <li>• Chemistry or AP Chem &amp; Physics</li> <li>• Introduction to Technical Design and Drafting</li> <li>• Construction 1</li> <li>• Residential Construction</li> </ul>	<b>Recommended:</b> <ul style="list-style-type: none"> <li>• Chemistry</li> <li>• Honors Anatomy/Physiology</li> <li>• AP Biology</li> </ul>
Recommended Clubs	Skills USA	

\*Dual Credit (see Page 63)

# CAREER PATHWAYS

## Health Sciences & Technology

### HEALTH SCIENCES & TECHNOLOGY

Pathway	Pre-Medicine	Medical Technician	Pre-Veterinary	Certified Nurse Assistant
<b>D120 Course Requirements</b>	Honors Chemistry	Honors Anatomy & Physiology	Honors Chemistry	Nursing Assistant 1 @ Tech Campus*
	Honors Anatomy/ Physiology	Medical/Clinical Assisting @ Tech Campus*	Zoology	<b>Internship*</b>
	AP Biology	<b>Dual Credit - Student Internship*</b>	AP Biology	<b>Recommended:</b> <ul style="list-style-type: none"> <li>Chemistry</li> <li>Psychology or AP Psychology</li> <li>Probability &amp; Stats/ AP Stats</li> </ul>
	AP Chemistry	<b>Recommended:</b> <ul style="list-style-type: none"> <li>Regular/Honors Chemistry</li> <li>Psychology/AP Psychology</li> <li>Psychology or AP Psychology</li> <li>Probability &amp; Stats/ AP Stats</li> </ul>	AP Chemistry	
	<b>Dual Credit - Student Internship*</b>	<b>Recommended:</b> <ul style="list-style-type: none"> <li>Film as Literature</li> </ul>	<b>Dual Credit - Student Internship*</b>	
	<b>Recommended:</b> <ul style="list-style-type: none"> <li>Psychology or AP Psychology</li> <li>Probability &amp; Stats/AP Stats</li> </ul>		<b>Recommended:</b> <ul style="list-style-type: none"> <li>Psychology or AP Psychology</li> <li>Probability &amp; Stats/ AP Stats</li> </ul>	
<b>Recommended Clubs</b>	Medical Club, Skills USA			Skills USA

\*Dual Credit (see Page 63)

# CAREER PATHWAYS

## Information Technology



Pathway	Computer Programming	3D Gaming & Cybersecurity	Computer Networking	Computer Maintenance
<b>D120 Course Requirements</b>	AP Computer Science Principles	3D Gaming & Cybersecurity 1 @ Tech Campus*	AP Computer Science Principles	Computer Maintenance 1 @ Tech Campus*
	AP Computer Science A	3D Gaming & Cybersecurity 2 @ Tech Campus*	Computer Networking @ Tech Campus*	Computer Maintenance 2 @ Tech Campus*
	<b>Dual Credit - Student Internship*</b>	<b>Internship*</b>		
	AP Chemistry	<b>Recommended:</b> <ul style="list-style-type: none"> <li>Application Coding &amp; Development</li> <li>AP Computer Science Principles</li> </ul>	<b>Recommended:</b> <ul style="list-style-type: none"> <li>Application Coding &amp; Development</li> </ul>	<b>Recommended:</b> <ul style="list-style-type: none"> <li>Application Coding &amp; Development</li> </ul>
<b>Recommended Clubs</b>	Byte Club, Girls Who Code, Robotics Team, Science Olympiad	Skills USA, Gaming Club, Byte Club, Girls Who Code		

\*Dual Credit (see Page 63)



MUNDELEIN



HIGH SCHOOL

# 2025-2026 COURSE GUIDE

<https://www.d120.org/academics/course-guide/>



# ENGLISH

Welcome to the English course guide, where we navigate a journey through language, literature, and communication skills. At the core of our educational philosophy lies a belief in fostering critical thinking. We champion the cultivation of problem-solving abilities, the art of analyzing and synthesizing information, and the adaptability crucial for navigating an ever-evolving world. Here, we explore reading, writing, speaking, and listening, acknowledging their pivotal roles in effective expression and comprehension. Resilience is ingrained in our principles, as we advocate for goal-oriented behavior, time management, responsible learning, and the willingness to take calculated risks.

COURSE	CREDIT	OPEN TO	PREREQUISITE
English 1*	1.0	9	None
English 2	1.0	10	English 1
Honors English 2	1.0	10	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	IEP team recommendation
Transitional English 4	1.0	12	English 3
Honors English 4	1.0	12	English 3, Honors English 3, or AP English Language
Dual Credit English Composition	1.0	12	English 3, Honors English 3, or AP English Language
AP English Language	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
Science Fiction & Fantasy	0.5	9-12	None
Creative Writing	0.5	10-12	None
Mythology	0.5	9-12	None
Speech	0.5	9-12	None
Film as Literature	0.5	10-12	None
Journalism: News in the 21st Century**	0.5	9-12	None

COURSE	CREDIT	OPEN TO	PREREQUISITE
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

\*All students will have the ability to earn honors in this course. The teacher will review these requirements at the start of the school year.

\*\*These courses may be repeated for Honors Credit.

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

## ENGLISH 1

**Prerequisite:** None

**Open to:** Grade 9

**Length:** 2 semesters

**Credits:** 1.0

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.

**\*All students will have the ability to earn honors credit in this course. The teacher will review these requirements at the start of the school year.**

## ENGLISH 2

**Prerequisite:** English 1

**Open to:** Grade 10

**Length:** 2 semesters

**Credits:** 1.0

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.

## HONORS ENGLISH 2

**Prerequisite:** English 1

**Open to:** Grade 10

**Length:** 2 semesters

**Credits:** 1.0

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 the research questions.



## ENGLISH 3

**Prerequisite:** English 2

**Open to:** Grade 11

**Length:** 2 semesters

**Credits:** 1.0

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.

## HONORS ENGLISH 3

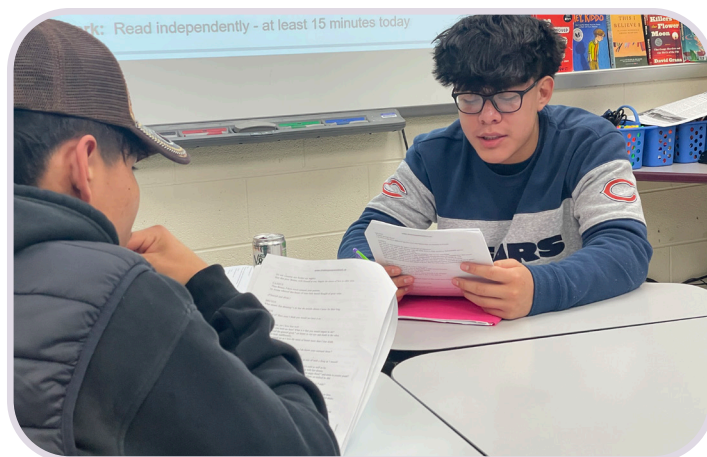
**Prerequisite:** English 2 or Honors English 2

**Open to:** Grade 11

**Length:** 2 semesters

**Credits:** 1.0

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.



## HONORS ENGLISH 4

**Prerequisite:** English 3 and IEP team recommendation

**Open to:** Grade 12

**Length:** 2 semesters

**Credits:** 1.0

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.

## TRANSITIONAL ENGLISH 4

**Prerequisite:** English 3, Honors English 3, or AP Language

**Open to:** Grade 12

**Length:** 2 semesters

**Credits:** 1.0

Students will engage with reading strategies to help develop their reader identities and metacognitive conversational skills. Students will study and respond to both fiction and nonfiction texts as they prepare for college reading readiness. In addition, this course provides transitional instruction for students to handle the reading demands of their first year of college as well as avoid student placement into remedial reading and communications courses.

## HONORS ENGLISH 4

**Prerequisite:** English 3, Honors English 3, AP Language

**Open to:** Grade 12

**Length:** 2 semesters

**Credits:** 1.0

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 the synthesis of ideas.

## DUAL CREDIT ENGLISH COMPOSITION

**Dual-Credit: 3 Credit hours at College of Lake County for ENG 121: English Composition 1**

**Prerequisite:** English 3, Honors English 3, or AP English Language

**Open to:** Grade 12

**Length:** 2 semesters

**Credits:** 1.0

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.

## AP ENGLISH LANGUAGE

**Prerequisite:** English 2 or Honors English 2

**Open to:** Grade 11-12

**Length:** 2 semesters

**Credits:** 1.0

AP English Language 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.

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

## AP ENGLISH LITERATURE

**Prerequisite:** English 3, Honors English 3 or AP English Language and Composition

**Open to:** Grade 12

**Length:** 2 semesters

**Credits:** 1.0

AP English Literature 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 a sophisticated understanding of the readings are required.

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

## SCIENCE FICTION AND FANTASY

**Prerequisite:** None

**Open to:** Grades 9-12

**Length:** 1 semester

**Credits:** 0.5

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.

This course meets ½ of the senior year English requirement when taken during senior year.

## CREATIVE WRITING

**Prerequisite:** None

**Open to:** Grades 10-12

**Length:** 1 semester

**Credits:** 0.5

*\*\*\*This is a Broadcast Media & Journalism Media Pathway Course.\*\*\**

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.

This course meets ½ of the senior year English requirement when taken during senior year.

## MYTHOLOGY

**Prerequisite:** None

**Open to:** Grades 9-12

**Length:** 1 semester

**Credits:** 0.5

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 for a modern individual?" and

“Do modern myths, tales, and legends accomplish the same purpose as ancient myths, 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.

This course meets ½ of the senior year English requirement when taken during senior year.

## **SPEECH**

**Prerequisite:** None

**Open to:** Grades 9-12

**Length:** 1 semester

**Credits:** 0.5

*\*\*\*This is a Broadcast Media & Journalism Media Pathway Course.\*\*\**

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.

This course meets ½ of the senior year English requirement when taken during senior year.

## **FILM AS LITERATURE**

**Prerequisite:** None

**Open to:** Grades 10-12

**Length:** 1 semester

**Credits:** 0.5

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.

This course meets ½ of the senior year English requirement when taken during senior year.

## **JOURNALISM: NEWS IN THE 21ST CENTURY**

**Prerequisite:** None

**Open to:** Grades 9-12

**Length:** 2 semesters

**Credits:** 1.0

May be repeated for Honors Credit.

*\*\*\*This is a Journalism Media Pathway Course.\*\*\**

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, *The Mustang*. This class will prepare you for careers in journalism, communications, photography, graphic design, public relations, and marketing

This course does not fulfill an English requirement toward graduation.

## **JOURNALISM:YEARBOOK/PHOTOJOURNALISM**

**Prerequisite:** None

**Open to:** Grades 9-12

**Length:** 2 semesters

**Credits:** 1.0

May be repeated for Honors Credit.

Learn how to capture the significant moments of the MHS school year that your friends and family will treasure for the rest of their lives while producing the yearbook *The Obelisk*. This class will teach you the basics of photojournalism, journalism, and graphic design. Yearbook/Photojournalism will prepare you for careers in journalism, communications, photography, graphic design, public relations and marketing.

This course does not fulfill an English requirement toward graduation.



- expanded sentences in oral interactions or written paragraphs
- 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.

## BRIDGING ESL

**Prerequisite:** Developing ESL or Department recommendation

**Open to:** Grades 9-12

**Length:** 2 semesters

**Credits:** 1.0

English language learners will process, understand, produce or use:

- specialized or technical language of the content area
- a variety of sentence lengths of varying linguistic complexity in extended oral or written discourse, including stories, essays or reports
- oral or written language approaching comparability to that of proficient English peers when presented with grade level material.

The Bridging ESL curriculum is aligned with the English 1 curriculum.

## EMERGING ESL

**Prerequisite:** ACCESS/WAPT Placement and Department recommendation

**Open to:** Grades 9-12

**Length:** 2 semesters

**Credits:** 1.0

English language learners will process, understand, produce or use:

- general language related to the content areas
- phrases or short sentences
- 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.

## DEVELOPING ESL

**Prerequisite:** Emerging ESL or Department recommendation

**Open to:** Grades 9-12

**Length:** 2 semesters

**Credits:** 1.0

English language learners will process, understand, produce or use:

- general and specific language of the content areas



Career Pathway	Journalism Media
<b>D120 Course Requirements</b>	Journalism: News in the 21st Century
	<b>Choose 2 Classes below for Endorsement</b>
	Speech
	Digital Photo/Design I
	Creative Writing
	Dual Credit - Student Internship*
	<b>Recommended:</b> <ul style="list-style-type: none"> <li>• Film as Literature</li> </ul>

<b>FLOW CHART OF ESL/BILINGUAL COURSE OFFERINGS</b>				
ELL SUPPORT	ENGLISH	SOCIAL STUDIES	MATH	SCIENCE
Newcomer ESL Academic Support	Emerging	World Studies*^	Algebra 1*	Biology*^
ESL Academic Support	Developing	U. S. History*^	Geometry*	Chemistry*^
ESL Academic Support	Bridging (Aligned with English 1)	Government & Economics*	Algebra 2*	Physics*
Academic Support	English 2			

**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**



# MATH

The MHS math department offers a variety of courses aimed at developing students' mathematical reasoning, critical thinking, and problem-solving skills. Whether students wish to meet basic graduation requirements, challenge themselves in higher-level math, or pursue Advanced Placement courses, our experienced math teachers utilize innovative teaching techniques to engage various learning styles. Classes span foundational topics like Algebra and Geometry to advanced concepts in Trigonometry, Probability, Statistics, Pre-Calculus, and Calculus. Through real-world applications, hands-on projects, and collaborative work, students' mathematical comprehension, quantitative skills, and logical reasoning will be enhanced to help create analytical thinkers prepared to excel in future studies and 21st-century careers.

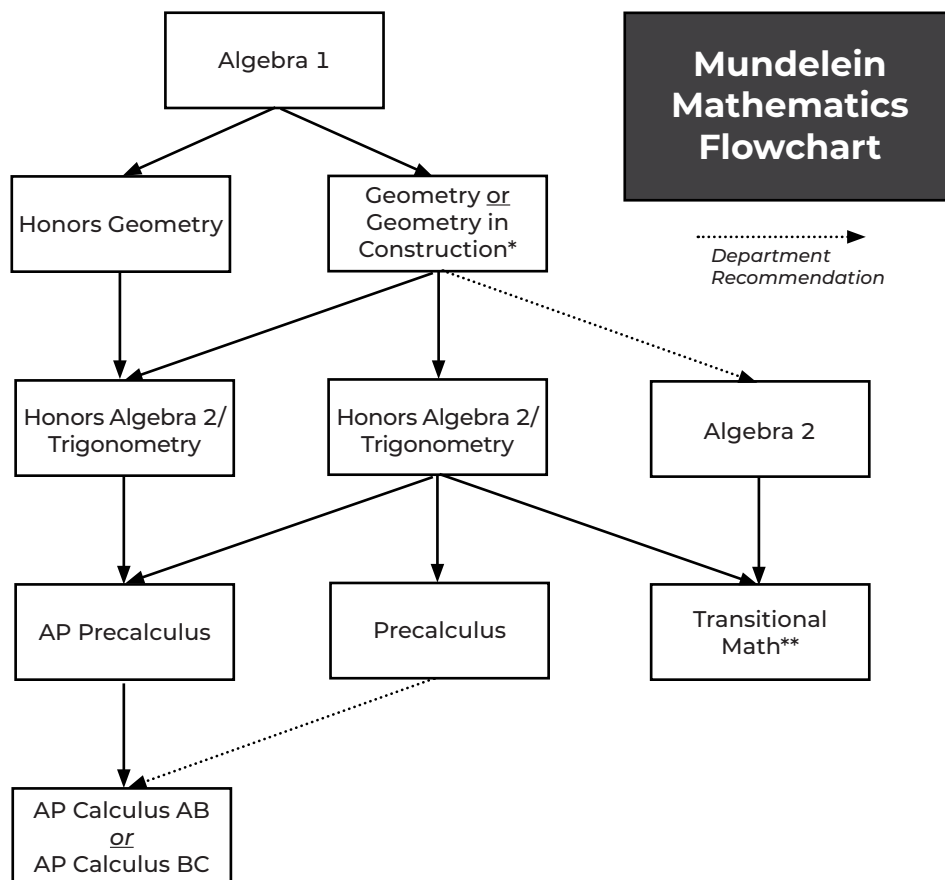
COURSE	CREDIT	OPEN TO	PREREQUISITE
Principles of Math	1.0	9-10	Case manager recommendation
Introduction to Algebra	1.0	9-12	Case manager recommendation
Consumer Math*	1.0	10-12	Case manager recommendation
Algebra 1	1.0	9-12	Department recommendation
Geometry Seminar	1.0	9	Department recommendation
Geometry	1.0	9-12	Algebra 1
Geometry in Construction**	1.0	9-10	Algebra 1
Honors Geometry	1.0	9-10	Algebra 1
Algebra 2	1.0	10-12	Geometry and Department recommendation
Algebra 2/Trig.	1.0	10-12	Geometry
Honors Algebra 2/Trig.	1.0	9-11	Geometry
Transitional Math***	1.0	12	Algebra 2
Precalculus	1.0	11-12	Algebra 2/Trig.
AP Precalculus	1.0	10-12	Algebra 2/Trig.
Probability and Statistics	1.0	11-12	Geometry
AP Statistics	1.0	11-12	Probability and Statistics
AP Calculus AB	1.0	10-12	Honors Precalculus
AP Calculus BC	1.0	10-12	Honors Precalculus
AP Computer Science Principles	1.0	10-12	Algebra 1
AP Computer Science A	1.0	10-12	AP Computer Science Principles and/or App Development and Coding

\*This course satisfies the Consumer Education Graduation requirement.

\*\*All students will have the ability to earn honors in this course. The teacher will review these requirements at the start of the school year.

\*\*\*Successful completion of a transitional mathematics course for a high school graduate results in direct placement into postsecondary credit-bearing mathematics courses at all Illinois community colleges and accepting Illinois universities without a placement test. See Postsecondary and Workforce Readiness Act for more information.

## Mathematics Core - Algebra Based Courses



Math Elective Statistics Courses***		Math Elective Computer Science Courses***	
Probability & Statistics	AP Statistics	AP Computer Science Principles	AP Computer Science A

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

\*\*Successful completion (C or better) of a transitional mathematics course for a high school graduate results in direct placement into postsecondary credit-bearing mathematics course at all Illinois community colleges and accepting Illinois universities without a placement test. See Postsecondary and Workforce Readiness Act for more information.

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

With department approval, students who take Algebra 1 as a freshman may choose to take Honors Geometry and Honors Algebra 2/Trig. concurrently during sophomore year in order to access our AP Calculus curriculum in their senior year.

## PRINCIPLES OF MATH

**Prerequisite:** Case Manager recommendation

**Open to:** Grades 9-10

**Length:** 2 semesters

**Credits:** 1.0

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. Students will then use many of the same skills (addition, multiplication, etc.) with decimals. A calculator is recommended for the course.

## INTRODUCTION TO ALGEBRA

**Prerequisite:** Case Manager recommendation

**Open to:** Grades 9-12

**Length:** 2 semesters

**Credits:** 1.0

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 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.

## CONSUMER MATH

**Prerequisite:** Case Manager recommendation

**Open to:** Grades 10-12

**Length:** 2 semesters

**Credits:** 1.0

*This course satisfies the Consumer Education Graduation requirement.*

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 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.

## ALGEBRA 1

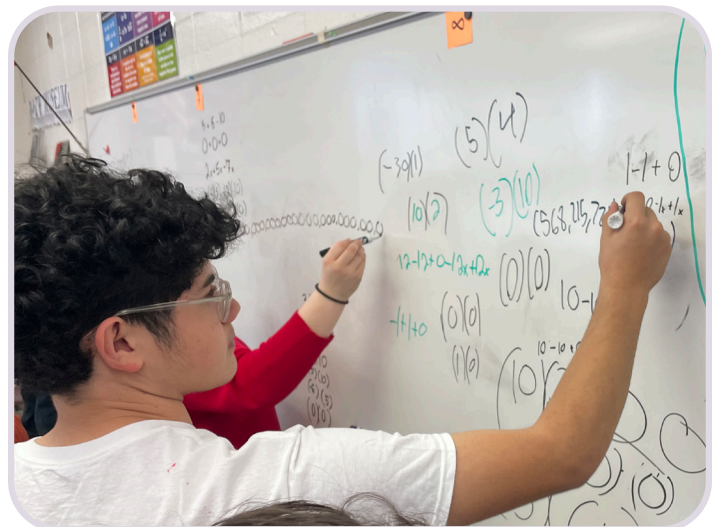
**Prerequisite:** Department recommendation

**Open to:** Grades 9-12

**Length:** 2 semesters

**Credits:** 1.0

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.



## GEOMETRY SEMINAR

**Prerequisite:** Department recommendation

**Open to:** Grade 9

**Length:** 2 semesters

**Credits:** 1.0

This class is designed to build pre-algebra skills through transformational geometry topics. Students will develop the ability to solve rate, ratio, and percentage problems through the demonstration of visual representations. This class will continue to build pre-algebra skills through the use of variables, graphing, and various geometry concepts. Through graphing, the students will build visual representations when solving for functions and other linear relationships. Other topics such as congruence, similarity, and circles will be studied. A graphing calculator is suggested.

## GEOMETRY

**Prerequisite:** Algebra 1

**Open to:** Grades 9-12

**Length:** 2 semesters

**Credits:** 1.0

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.

## GEOMETRY IN CONSTRUCTION\*

**Prerequisite:** Algebra 1

**Open to:** Grades 9-12

**Length:** 2 semesters

**Credits:** 1.0

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

Geometry in Construction is an alternative, experiential-learning model approach to teaching/learning Geometry. This interdisciplinary course integrates geometry and construction topics

through the building of significant construction projects. The objectives of this course are the same as the objectives in the traditional geometry course; the difference is the order of the objectives, and the contextualized nature of the lesson plans. Students will gain hands-on, real-world experience in different areas of construction and industrial technology. Students experience putting geometry into action by building real-world construction projects. Additional emphasis is given to teamwork, problem-solving, and the promotion of employable attributes.

## HONORS GEOMETRY

**Prerequisite:** Algebra 1

**Open to:** Grades 9-10

**Length:** 2 semesters

**Credits:** 1.0

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.

## ALGEBRA 2

**Prerequisite:** Geometry & Department recommendation

**Open to:** Grades 10-12

**Length:** 2 semesters

**Credits:** 1.0

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. This course is aligned to the Common Core State Standards for Math. A graphing calculator is suggested.



**MUNDELEIN  
HIGH SCHOOL**

## ALGEBRA 2/TRIG.

**Prerequisite:** Geometry

**Open to:** Grades 10-12

**Length:** 2 semesters

**Credits:** 1.0

**Course Number:** MA2300

In Algebra 2/Trig. students will take a more in-depth look at the topics learned in Algebra 1. Students will investigate such topics as complex numbers, polynomial functions, rational functions, roots, radicals, inverses, and logarithms. as well as an introduction to trigonometric functions, equations and their graphs. This course is aligned with the Common Core State Standards for Math. A graphing calculator is suggested.

## HONORS ALGEBRA 2/TRIG.

**Prerequisite:** Geometry

**Open to:** Grades 9-11

**Length:** 2 semesters

**Credits:** 1.0

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. This course is aligned with the Common Core State Standards for Math. A graphing calculator is required.

## TRANSITIONAL MATH

**Prerequisite:** Algebra 2

**Open to:** Grade 12

**Length:** 2 semesters

**Credits:** 1.0

*\*Fulfills Transitional Math credit as defined by the PWR-ACT.*

This two-semester course is designed to prepare and transition students directly into college and career pathways requiring general education college-level mathematics. Upon completion, students should be able to: demonstrate proficiency and understanding in basic numeracy competencies in whole numbers, integers, fractions, and decimals, use estimation and explain/justify estimates, apply quantitative

reasoning to solve problems involving quantities or rates, use mathematical summaries of data such as mean, median, and mode, use and apply algebraic reasoning as one of multiple problem-solving tools, and use functions and modeling processes. Course to be delivered through authentic application, problem-based instruction designed to build mathematical, conceptual understanding and critical thinking skills.

\*Successful completion (C or better) of a transitional mathematics course for a high school graduate results in direct placement into postsecondary, credit-bearing mathematics courses at all Illinois community colleges and accepting Illinois universities without a placement test. See Postsecondary and Workforce Readiness Act for more information.

## PRECALCULUS

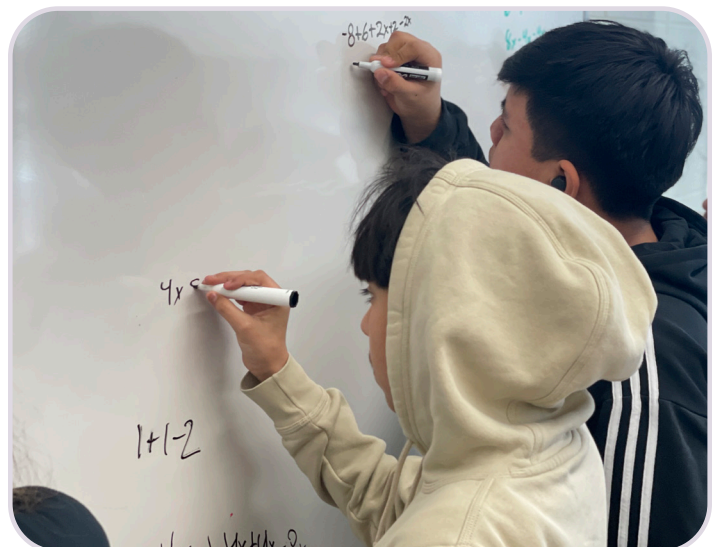
**Prerequisite:** Algebra 2/Trig.

**Open to:** Grades 11-12

**Length:** 2 semesters

**Credits:** 1.0

Precalculus is designed as a typical fourth course to prepare students for other college-level mathematics and science courses. 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, and additional applications of Trigonometry. A graphing calculator is suggested.



## AP PRECALCULUS

**Prerequisite:** Algebra 2/Trig.

**Open to:** Grades 10-12

**Length:** 2 semesters

**Credits:** 1.0

AP Precalculus is the preparatory course for Calculus, and other college-level mathematics and science courses. In this course, students will explore everyday situations using mathematical tools and lenses. Students will enhance their algebraic skills of manipulating functions, equations, and expressions. They will also continue building their communication skills, using precise language and providing rationales for conclusions. A graphing calculator is required.

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

## PROBABILITY AND STATISTICS

**Prerequisite:** Geometry

**Open to:** Grades 11-12

**Length:** 2 semesters

**Credits:** 1.0

This course may be taken concurrently with other math courses.

\*\*\*This is an Economics & Pre-Law/Legal Aide Pathway Course.\*\*\*

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.

## AP STATISTICS

**Prerequisite:** Probability and Statistics or Algebra 2/Trig.

**Open to:** Grades 11-12

**Length:** 2 semesters

**Credits:** 1.0

This course may be taken concurrently with other

math courses.

\*\*\*This is an Economics & Pre-Law/Legal Aide Pathway Course.\*\*\*

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.

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

## AP CALCULUS AB

**Prerequisite:** AP Precalculus

**Open to:** Grades 10-12

**Length:** 2 semesters

**Credits:** 1.0

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.

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

## AP CALCULUS BC

**Prerequisite:** AP Precalculus

**Open to:** Grades 10-12

**Length:** 2 semesters

**Credits:** 1.0

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.

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

## AP COMPUTER SCIENCE A

**Prerequisite:** Algebra 1

**Open to:** Grades 10-12

**Length:** 2 semesters

**Credits:** 1.0

*\*\*\*This is a Computer Programming Pathway Course.\*\*\**

**This course offers a Math or Applied Arts credit.**

*This course may be taken concurrently with other math courses.*

This course is part of the [Amazon Future Engineer Program](#). How does the Internet actually work? How can cybersecurity protect me? How do I create an online app? The AP Computer Science Principles class introduces computer science by studying the internet, big data, cryptography and building apps. This class can be a first course for students to explore computer science.

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

## AP COMPUTER SCIENCE PRINCIPLES

**Prerequisite:** AP Computer Science Principles recommended and/or App Development and Coding

**Open to:** Grades 10-12

**Length:** 2 semesters

**Credits:** 1.0

*\*\*\*This is a Computer Programming Pathway Course.\*\*\**

**This course offers a Math or Applied Arts credit.**

*This course may be taken concurrently with other math courses.*

This course is part of the [Amazon Future Engineer Program](#). Students will learn a powerful object-oriented programming language called Java. When students learn one programming language in detail, they usually understand other programming languages because they are all very similar. This course prepares students for future coursework in Engineering or Computer Science, and is highly recommended if students plan on studying computer science or engineering at college.

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



# SCIENCE

The science department at Mundelein High School offers various courses to spark students' curiosity about the natural world and prepare them for life after high school whether attending college, joining the military, or entering the workforce. If you are interested in the organisms of our planet, the chemical reactions happening all around us, the forces that govern the physical world, or any other scientific topic, our science curriculum has a course for you. Taught by dedicated and caring teachers with a passion for their fields, our classes emphasize hands-on lab work, critical thinking skills, and real-world applications of scientific concepts. We encourage all students, regardless of future academic and career plans, to explore the many avenues of science offered through our science courses during their high school career. Our department provides foundational knowledge and investigative skills of the sciences that will serve students well in the 21st century.

COURSE	CREDIT	OPEN TO	PREREQUISITE
Biology*	1.0	9	None
AP Biology	1.0	11-12	Biology and Honors Chemistry or Chemistry
Physical Science	1.0	10-12	Biology
Chemistry	1.0	10-12	Biology and Algebra 1
Honors Chemistry	1.0	10-12	Biology and Algebra 1
AP Chemistry	1.0	11-12	Algebra 2/Trig., and Honors Chemistry, or department recommendation
Dual Credit Chemistry	1.0	11-12	Chemistry/Honors Chemistry
Earth Science	1.0	10-11	Biology
Physics	1.0	10-12	Biology and Algebra 1
Honors Physics	1.0	10-12	Algebra 2/Trig., and Biology or department recommendation
AP Physics C	1.0	11-12	Algebra 2/Trig., and Biology, Physics, or department recommendation
AP Physics 2	1.0	11-12	Algebra 2/Trig., Biology and Physics, or department recommendation
Zoology	0.5	9-12	None
Honors Anatomy/Physiology	1.0	11-12	Biology and Chemistry
Astronomy	0.5	10-12	None
AP Environmental Science	1.0	11-12	Biology & Honors Chemistry, Chemistry, Physical Science or department recommendation
Applied Scientific Methods	1.0	11-12	2 Credits of Science

\*All students will have the ability to earn honors in this course. The teacher will review these requirements at the start of the school year.



## BIOLOGY\*

**Prerequisite:** None

**Open to:** Grade 9

**Length:** 2 semesters

**Credits:** 1.0

Biology emphasizes the investigation and understanding of biological phenomena through the use of science and engineering practices with a specific focus on questioning, modeling, data analysis, and engaging in argument from evidence. Overall areas of study include ecology, genetics, and evolution, with many sub-topics covered. This course is also offered in a bilingual (Spanish) format.

*\*All students will have the ability to earn honors in this course. The teacher will review these requirements at the start of the school year.*

## AP BIOLOGY

**Prerequisite:** Biology and Chemistry

**Open to:** Grades 11-12

**Length:** 2 semesters

**Credits:** 1.0

\*\*\*This is a Pre-Medicine & Pre-Veterinary Pathway Course.\*\*\*

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.

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

## PHYSICAL SCIENCE

**Prerequisite:** Biology

**Open to:** Grades 10-12

**Length:** 2 semesters

**Credits:** 1.0

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.

## CHEMISTRY

**Prerequisite:** Biology and Algebra 1

**Open to:** Grades 10-12

**Length:** 2 semesters

**Credits:** 1.0

\*\*\*This is a Medical Technician Pathway Course.\*\*\*

Chemistry focuses on experimental design, scientific inquiry, data analysis, mathematical calculation, and scientific reading. These skills are developed through creating models to explain physical observations. These models are developed as a class and evolve as more evidence is collected. Topics include; properties of matter, atomic structure, chemical formulas, chemical reactions, periodic properties of elements, chemical bonding, 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.



## HONORS CHEMISTRY

**Prerequisite:** Algebra 1 and Biology, or department recommendation

**Open to:** Grades 10-12

**Length:** 2 semesters

**Credits:** 1.0

\*\*\*This is a Pre-Medicine, Medical Technician & Pre-Veterinary Pathway Course.\*\*\*

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.

## AP CHEMISTRY

**Prerequisite:** Honors Chemistry and Algebra 2/Trig

**Open to:** Grades 11-12

**Length:** 2 semesters

**Credits:** 1.0

\*\*\*This is a Pre-Medicine & Pre-Veterinary Pathway Course.\*\*\*

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.

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

## DUAL CREDIT CHEMISTRY

**Dual Credit:** 3 Credit hours at College of Lake County (CHEM121)

**Prerequisite:** Chemistry or Honors Chemistry

**Open to:** Grades 11-12

**Length:** 2 semesters

**Credits:** 1.0

This course is an entry-level, dual credit college course in chemistry. The course places a particular focus on lab investigations to make sense of principles that relate to chemical structure, energy, and reactivity. Additionally, students will be provided with an introduction to various chemistry topics throughout the course. This two-semester high school course is the equivalent of one semester of college credit.

## EARTH SCIENCE

**Prerequisite:** Biology

**Open to:** Grades 10-11

**Length:** 2 semesters

**Credits:** 1.0

Earth Science is a lab oriented course that introduces the basics of the core areas of Earth Science which includes several different sub sciences within Earth Science.. Over the course of this one year course, students will explore units on the history of Earth, plate tectonics, the atmosphere, the usage of Earth's resources by humans, and look at severe weather. While exploring the content within these units, students will also work on developing their science skills. This course is aligned to the Next Generation Science Standards.

## PHYSICS

**Prerequisite:** Biology and Algebra 1

**Open to:** Grades 10-12

**Length:** 2 semesters

**Credits:** 1.0

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 magnetism. This course is aligned to the Next Generation Science. It is also offered in a bilingual (Spanish) format.

## HONORS PHYSICS

**Prerequisite:** Algebra 2/Trig and Biology or department recommendation

**Open to:** Grades 10-12

**Length:** 2 semesters

**Credits:** 1.0

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.

## AP PHYSICS C

**Prerequisite:** Physics and Algebra 2/Trig, or department recommendation

**Open to:** Grades 11-12

**Length:** 2 semesters

**Credits:** 1.0

\*\*\*This is an Engineering Design Pathway Course.\*\*\*

AP Physics C is equivalent to a first semester college course in calculus based physics that is more in depth 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. This course covers kinematics; Newton's laws of motion,

work, energy, and power; systems of particles and linear momentum; rotation; oscillations; and gravitation. Strong Algebra and basic trigonometry skills are recommended as prerequisites. Basic calculus skills will be reviewed/introduced as needed.

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

## AP PHYSICS 2

**Prerequisite:** Physics and Algebra 2/Trig, or department recommendation

**Open to:** Grades 11-12

**Length:** 2 semesters

**Credits:** 1.0

\*\*\*This is an Engineering Design Pathway Course.\*\*\*

AP Physics 2 is equivalent to a 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.

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

## ZOOLOGY

**Prerequisite:** None

**Open to:** Grades 9-12

**Length:** 1 semester

**Credits:** 0.5

\*\*\*This is a Pre-Veterinary Pathway Course.\*\*\*

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 concurrently with or after Biology. **Animal dissection is a required part of the laboratory experience.** This course is a science elective and does not fulfill the Science graduation requirement.

## HONORS ANATOMY AND PHYSIOLOGY

**Prerequisite:** Biology and Chemistry

**Open to:** Grades 11-12

**Length:** 2 semesters

**Credits:** 1.0

\*\*\*This is a Pre-Medicine & Medical Technician Pathway Course.\*\*\*

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. **Dissections are required.**

## ASTRONOMY

**Prerequisite:** None

**Open to:** Grades 10-12

**Length:** 1 semester

**Credits:** 0.5

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. This course is a science elective and does not fulfill the Science graduation requirement.



## AP ENVIRONMENTAL SCIENCE

**Prerequisite:** Biology and Chemistry, or Physical Science, or department recommendation

**Open to:** Grades 11-12

**Length:** 2 semesters

**Credits:** 1.0

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.

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

## APPLIED SCIENTIFIC METHODS\*

**Prerequisite:** 2 Credits of Science

**Open to:** Grades 11-12

**Length:** 2 semesters

**Credits:** 1.0

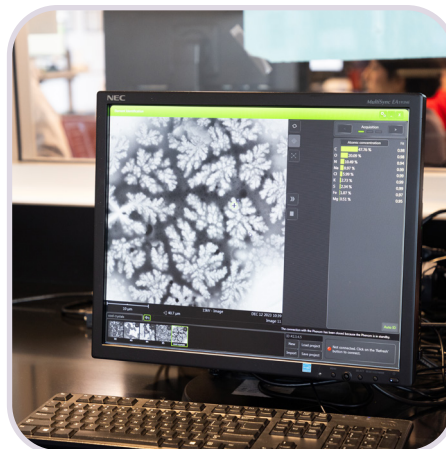
This dynamic, lab-based course is focused on hands-on, experiential learning. Drawing from key principles in biology, chemistry, earth science, and physics, students will tackle real-world challenges by designing their own investigations and engineering innovative solutions. Throughout this class, students will deepen their understanding of scientific concepts by formulating questions, engaging in research, conducting experiments, and collaborating with their peers as they apply their knowledge in practical, meaningful ways. This approach equips learners with the skills to think scientifically and communicate ideas effectively.

*\*All students will have the ability to earn honors in this course. The teacher will review these requirements at the start of the school year.*



## MHS SCIENCE CAREER PATHWAY

Career Pathway	Pre-Medicine	Medical Technician	Pre-Veterinary
D120 Course Requirements	Honors Chemistry	Regular/Honors Chemistry	Honors Chemistry
	Honors Anatomy/Physiology	Honors Anatomy/Physiology	Zoology
	AP Biology	Psychology/AP Psychology	AP Biology
	AP Chemistry	Dual Credit - Student Internship*	AP Chemistry
	Dual Credit - Student Internship*	<b>Recommended:</b> Psychology or AP Psychology Probability & Stats/AP Stats	Dual Credit - Student Internship*
	<b>Recommended:</b> Psychology or AP Psychology Probability & Stats/AP Stats		<b>Recommended:</b> Psychology or AP Psychology Probability & Stats/AP Stats



# SOCIAL STUDIES

Our Social Studies department offers a wide array of engaging and rigorous courses for students. Whether you are looking for a required history or social science credit or considering an Advanced Placement option, our enthusiastic teachers strive to make these courses spark student interest. We currently provide numerous elective options, including classes focused on history, psychology, sociology, economics, and law. Our Social Studies department provides students with a deeper understanding of history and the social sciences that will aid them in becoming engaged citizens who can critically assess and thoughtfully contribute to local, national, and world affairs. Our dedicated teachers strive to ignite student interest, passion, and debate. We encourage all students to explore our course offerings to uncover how the past continues to shape the present and future.

COURSE	CREDIT	OPEN TO	PREREQUISITE
World Studies*	1.0	9	None
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
ELECTIVES			
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	None
Psychology	0.5	11-12	None
AP Psychology	1.0	11-12	None
Sociology	0.5	11-12	None
Economics**	0.5	10-12	None
AP Micro & Macro Economics**	1.0	10-12	Algebra 2 or Algebra 2 concurrently
AP Comparative Government & Politics	.5	11-12	U.S. History or AP U.S. History

\*All students will have the ability to earn honors in this course. The teacher will review these requirements at the start of the school year.

\*\* Students will meet the state requirement for Consumer Education by successfully completing this course.

## WORLD STUDIES

**Prerequisite:** None

**Open to:** Grade 9

**Length:** 2 semesters

**Credits:** 1.0

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.

*All students will have the ability to earn honors in this course. The teacher will review these requirements at the start of the school year.*

## UNITED STATES HISTORY

**Prerequisite:** World Studies

**Open to:** Grades 10-12

**Length:** 2 semesters

**Credits:** 1.0

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.

## AP UNITED STATES HISTORY

**Prerequisite:** World Studies

**Open to:** Grades 10-12

**Length:** 2 semesters

**Credits:** 1.0

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.

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

## UNITED STATES GOVERNMENT & POLITICS

**Prerequisite:** U.S. History or AP U.S. History

**Open to:** Grades 11-12

**Length:** 1 semester

**Credits:** 0.5

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.

*Students must pass the Constitution test in order to pass this class.*

## AP UNITED STATES GOVERNMENT & POLITICS

**Prerequisite:** U.S. History or AP U.S. History

**Open to:** Grades 11-12

**Length:** 1 semester

**Credits:** 0.5

American Government and Politics explores AP 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.

*Students must pass the Constitution test in order to pass this class.*

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

## AP COMPARATIVE GOVERNMENT AND POLITICS

**Prerequisite:** U.S. History or AP U.S. History

**Open to:** Grades 11-12

**Length:** 1 semester

**Credits:** .5

This course will focus on providing students with a basic understanding of the world's diverse political structures. The course is designed for students who have an interest in international current events. AP Comparative Government and Politics prepares students to become more responsible citizens and more informed voters, as well as more knowledgeable members of a global community. This Comparative Government course will focus primarily on Great Britain, Russia, Mexico, China, Iran and Nigeria.

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

*\*\*Does not meet government graduation requirements.*

## CIVIL LAW

**Prerequisite:** None

**Open to:** Grades 9-12

**Length:** 1 semester

**Credits:** 0.5

**\*\*\*This is a Pre-Law/Legal Aide Pathway Course.\*\*\***

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 a mock trial, legal hearings, simulations, and interact with guest speakers. This course may be taken concurrently with other law courses.

## CRIMINAL LAW

**Prerequisite:** None

**Open to:** Grades 10 -12

**Length:** 1 semester

**Credits:** 0.5

**\*\*\*This is a Pre-Law/Legal Aide Pathway Course.\*\*\***

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.

## AP EUROPEAN HISTORY

**Prerequisite:** World Studies

**Open to:** Grades 10-12

**Length:** 2 semesters

**Credits:** 1.0

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.

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





## AP HUMAN GEOGRAPHY

**Prerequisite:** None

**Open to:** Grades 9-12

**Length:** 2 semesters

**Credits:** 1.0

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. Students 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).

Incoming 9th graders should have strong reading and writing skills

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

## PSYCHOLOGY

**Prerequisite:** None

**Open to:** Grades 11-12

**Length:** 1 semester

**Credits:** 0.5

\*\*\*This is an ASPIRE Education, Economics, Business Management & Entrepreneurship, Medical Technician & Pre-Law/Legal Aide Pathway Course.\*\*\*

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.

*\*It is recommended that all students in an*

*Advanced Placement course take the Advanced Placement Exam offered each May by the College Board.*

## AP PSYCHOLOGY

**Prerequisite:** None

**Open to:** Grades 11-12

**Length:** 2 semesters

**Credits:** 1.0

\*\*\*This is an ASPIRE Education, Economics, Business Management & Entrepreneurship, Medical Technician & Pre-Law/Legal Aide Pathway Course.\*\*\*

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.

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

## SOCIOLOGY

**Prerequisite:** None

**Open to:** Grades 11-12

**Length:** 1 semester

**Credits:** 0.5

\*\*\*This is a Pre-Law/Legal Aide Pathway Course.\*\*\*

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.

## ECONOMICS

**Prerequisite:** None

**Open to:** Grades 10-12

**Length:** 1 semester

**Credits:** 0.5

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.

## AP MICRO AND MACRO ECONOMICS

**Prerequisite:** Algebra 2 completed or concurrent

**Open to:** Grades \*10-12

**Length:** 2 semesters

**Credits:** 1.0

\*\*\*This is an Economics Pathway Course.\*\*\*

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 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 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.

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



Career Pathway	Pre-Law & Legal Aides	Economics
D120 Course Requirements	Business Law	AP Micro & Macroeconomics
	Civil Law	<b>Choose at least 1.0 Credit below for Endorsement</b>
	Criminal Law	Probability & Stats/AP Statistics
	<b>0.5 credit or more from the following:</b>	Psychology/AP Psychology
	Speech	Business Law
	Sociology	Dual Credit - Intro to Business (CLC Summer)*
	Psychology or AP Psychology	Dual Credit Student Internship*
	Dual Credit - Student Internship*	

# PLTW PROJECT LEAD THE WAY

Join us on the exciting journey of discovery and innovation through Project Lead the Way (PLTW) classes! The PLTW program at MHS is designed to inspire, engage, and empower students with the knowledge and skills needed to thrive in the ever-evolving landscape of science, technology, engineering, and mathematics (STEM). Our courses provide hands-on, project-based learning experiences where students develop critical thinking skills, collaborate effectively, and explore their passion for STEM fields. In addition to solving real-world problems, students can also earn industry-recognized certifications, leading to post-secondary internship and career opportunities.

COURSE	CREDIT	OPEN TO	PREREQUISITE
Dual Credit - Introduction to Engineering Design (IED)*	1.0	9-12	None
Advanced Principles of Engineering (POE) Will be offered alternate years: 2025-2026 2027-2028	1.0	10-12	IED, or department recommendation
Honors Digital Electronics (DE)	1.0	10-12	IED, or department recommendation
Advanced Computer Integrated Manufacturing (CIM)	1.0	10-12	IED, or department recommendation

## DUAL CREDIT - INTRODUCTION TO ENGINEERING DESIGN (IED)

**Prerequisite:** None

**Open to:** Grades 9-12

**Length:** 2 semesters

**Credits:** 1.0 (Advanced Level credit)

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

### Dual-Credit Opportunity

#### 3 Credit Hours at CLC: CAD 171 Introduction to Inventor

\*\*\*This is an Engineering Design, Automated Manufacturing, Digital Electronics & Nanosystems Pathway Course.\*\*\*

Using industry-standard computer-aided design software, discover the role of an engineer in taking an idea from the design process. Learn and use the Engineering Design Process to solve problems and innovate products by hand, on the computer (CAD) and with physical models. Produce an incredible, working prototype of your project with a 3D printer and a laser cutter. You will work on projects, activities, and problems not only of interest to you, but that have global and human impacts. Work in teams to design and improve products, document your solutions, and communicate them to others.

Students can earn an Autodesk Certified User Certification.



## HONORS DIGITAL ELECTRONICS (DE)

**Prerequisite:** Introduction to Engineering Design (IED) or department recommendation

**Open to:** Grades 10-12

**Length:** 2 semesters

**Credits:** 1.0 (Honors credit)

\*\*\*This is a Digital Electronics Pathway Course.\*\*\*

From smartphones to appliances, digital circuits are all around us. This course provides a foundation for students who are interested in electrical engineering, electronics, or circuit design. Students study topics such as combinational and sequential logic and are exposed to circuit design tools used in industry, including logic gates, integrated circuits, and programmable logic devices.

The major focus of Digital Electronics is to expose students to the design process of combinational and sequential logic design, teamwork, communication methods, engineering standards, and technical documentation.

## ADVANCED PRINCIPLES OF ENGINEERING (POE)

**Prerequisite:** Introduction to Engineering Design (IED) or department recommendation, Algebra 2 trig must be taken prior or concurrently

**Open to:** Grades 10-12

**Length:** 2 semesters

**Credits:** 1.0 (Advanced Level credit)

**This course may be offered every other year due to enrollment. POE will be offered in the 2025-2026 and 2027-2028 school years.**

\*\*\*This is an Engineering Design Pathway Course.\*\*\*

In the second course in the PLTW series, through problems that engage and challenge, students will explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation. Students will develop skills in problem-solving, research, and design while learning strategies for design process documentation, collaboration, and presentation.

## ADVANCED COMPUTER INTEGRATED MANUFACTURING (CIM)

**Prerequisite:** Introduction to Engineering Design (IED) or department recommendation

**Open to:** Grades 10-12

**Length:** 2 semesters

**Credits:** 1.0 (Advanced Level credit)

\*\*\*This is an Automated Manufacturing Pathway Course.\*\*\*

Manufactured items are part of your everyday life, yet most people have not been introduced to the high-tech, innovative nature of modern manufacturing. This course illuminates the opportunities related to understanding manufacturing. You will learn about manufacturing processes, product design, robotics, and automation. Students can earn a HAAS Mill User Certification.

Career Pathway	Engineering Design	Automated Manufacturing	Digital Electronics	NanoSystems
<b>D120 Course Requirements</b>	Dual Credit - PLTW Intro to Engineering Design*	Dual Credit - PLTW Intro to Engineering Design*	Dual Credit - PLTW Intro to Engineering Design*	Dual Credit - PLTW Intro to Engineering Design*
	PLTW - Principles of Engineering	PLTW - Computer Integrated Manufacturing	PLTW - Digital Electronics	Nanotechnology & Research
	<b>OR 1 credit from the following choices:</b>	Dual Credit - Student Internship*	Dual Credit - Student Internship*	Dual Credit - Student Internship*
	AP Physics	<b>Recommended:</b> <ul style="list-style-type: none"> <li>PLTW - Digital Electronics</li> <li>PLTW - Principles of Engineering</li> </ul>		<b>Recommended:</b> <ul style="list-style-type: none"> <li>PLTW - Principles of Engineering</li> <li>STEM Inquiry &amp; Research</li> </ul>
	AP Calculus AB or BC			
	Dual Credit - Student Internship*			
	<b>Recommended:</b> <ul style="list-style-type: none"> <li>PLTW - Digital Electronics</li> <li>PLTW - Computer Integrated Manufacturing</li> </ul>			

\*Dual Credit (see Page 64)



# SPECIALIZED COURSES

Mundelein High School offers a continuum of courses and support to ensure that all students have access to a rigorous program of study while supporting their individual needs to ensure success. An overview of our study hall, Academic Support courses, and programs for our multilingual learners can be found on the following pages. The school has a variety of study hall options to provide students with time and support for completing work. Tutoring services are available during study halls and after school for students needing extra academic assistance. Our multi-lingual program provides specialized instruction and assessments for students whose first language is not English.

COURSE	CREDIT	OPEN TO	PREREQUISITE
Study Hall	0	9-12	None
Freshman Guided Study	1.0	9	Department Recommendation
Academic Literacy	1.0	9-10	Case manager recommendation
Academic Seminar	1.0	10	Department Recommendation
Academic Support - Math	1.0	9	Department Recommendation
Academic Support - Reading	1.0	9	Department Recommendation
AVID Elective	1.0	9-12	Selection into AVID
Early Graduation	0	12	Application-See Guidance Counselor
Credit Recovery	0	9-12	Referral by Counselor
Strategies for Learning	1.0	9-12	Case manager recommendation
Strategies for Math	1.0	9-12	Case manager recommendation
Strive Strategies & Service	1.0	9-12	Case manager recommendation
Newcomer ESL Academic Support	1.0	9-12	Department Recommendation
ESL Academic Support 1	1.0	9-12	Department Recommendation
ESL Academic Support 2	1.0	9	Department Recommendation
Student Ambassador	0.25	12	None

## ACADEMIC LITERACY

**Prerequisite:** Case Manager recommendation

**Open to:** Grades 9-10

**Length:** 2 semesters

**Credits:** 1.0

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.

## ACADEMIC SEMINAR

**Prerequisite:** Department recommendation

**Open to:** Grades 10-12

**Length:** 2 semesters

**Credits:** 1.0

Academic Seminar is an intervention class offered to students beyond freshman year to provide support in uncovering hidden academic steps in order to access learning. Throughout the year, students will build a toolbox of academic, executive functioning, and social-emotional tools to help them be more independent learners.

## ACADEMIC SUPPORT - MATH

**Prerequisite:** Department recommendation

**Open to:** Grade 9

**Length:** 2 semesters

**Credits:** 1.0

Academic Support Math is a freshman intervention course that provides targeted mathematics and executive functioning instruction. Students will receive support on the current math topics of their course, as well as strengthening prerequisite math skills. Students will also be supported in their daily planning, homework completion, note-taking, and other executive functioning skills. This course will use Pass/Fail grading.

## ACADEMIC SUPPORT - READING

**Prerequisite:** Department recommendation

**Open to:** Grade 9

**Length:** 2 semesters

**Credits:** 1.0

Academic Support Reading is a freshman intervention course that provides targeted literacy instruction to improve students' reading, writing, vocabulary, and executive functioning skills. Students receive support on literacy-focused assignments for their other classes. Skill and strategy instruction will foster independence in literacy learning that is transferable to content area classrooms.

## AVID ELECTIVE

**Prerequisite:** Selection into Advancement Via Individual Determination program

**Open to:** Grades 9-12

**Length:** 2 semesters

**Credits:** 1.0

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.

## CREDIT RECOVERY

**Prerequisite:** Referral by Counselor

**Open to:** Grades 9-12

**Length:** 1 semester (may be repeated)

**Credits:** Dependent on course completion

Credit Recovery 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 credit recovery 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 credit recovery during any given term, but may be enrolled in more by approval of the administration.

## STRATEGIES FOR LEARNING 1 & 2

**Prerequisite:** Case Manager recommendation

**Open to:** Grades 9-12

**Length:** 2 semesters

**Credits:** Dependent on course completion

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. After taking Strategies for Learning 1, students can repeat by taking Strategies for Learning 2.

## STRATEGIES FOR MATH

**Prerequisite:** Case Manager recommendation

**Open to:** Grades 9-12

**Length:** 2 semesters

**Credits:** 1.0

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.

## STRIVE STRATEGIES & SERVICE

**Prerequisite:** Case Manager recommendation

**Open to:** Grades 9-12

**Length:** 2 semesters

**Credits:** 1.0

Students in this class will work with case managers, instructional assistants, social workers, and related

service staff in order to build their social-emotional and executive functioning skills. Students will have a weekly social work group, create service learning projects, work towards personal goals, follow an SEL curriculum, and other projects designed to foster growth. Strategies and Service is unique to the Strive Program and directly focuses on social/emotional aspects in order for our students in the program to be able to advocate for themselves, learn more about their individual needs, and learn the skills necessary to be successful in post-secondary endeavors.

\*This course can be repeated as needed.

## NEWCOMER ESL ACADEMIC SUPPORT

**Prerequisite:** Department recommendation

**Open to:** Grades 9-12

**Length:** 2 semesters

**Credits:** 1.0

Students new to the United States and enrolled in Emerging ESL 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. As appropriate, the course will also address aspects of the US school system and adapting to life in the US.

## ESL ACADEMIC SUPPORT 1

**Prerequisite:** Department recommendation

**Open to:** Grades 9-12

**Length:** 2 semesters

**Credits:** 1.0

Students enrolled in Developing ESL or Bridging ESL and in need of ongoing support 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 ACADEMIC SUPPORT 2

**Prerequisite:** Department recommendation

**Open to:** Grade 9

**Length:** 2 semesters

**Credits:** 1.0

**Multilingual Academic Development** - This class is for multilingual learners in mainstream classes. The class focuses on honoring multilingual identities while developing academic language and executive functioning skills. Example skills addressed include academic vocabulary, organization, time management, studying, and others. This course also provides support in their other classes. The goal of this course is to build confidence in bilingual identities as well as strengthen academic skills in order to improve independent learning and success for all students.

## STUDENT AMBASSADOR

**Prerequisite:** None

**Open to:** Grade 12

**Length:** 1 semester

**Credits:** 0.25

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.

## FRESHMAN GUIDED STUDY

**Prerequisite:** Department Recommendation

**Open to:** Grade 9

**Length:** 2 semesters

**Credits:** 1.0

Guided Study is a targeted intervention in the form of a more intensive study hall to assist students in managing their academic workload. Guided Study offers intentional support for students requiring more academic assistance, in addition to time within the school day to complete their work. Providing guidance to these students is the operative distinction from a traditional study hall.



# PHYSICAL WELLNESS

The Physical Wellness Department seeks to inspire and empower students to cultivate lifelong habits of physical fitness, health, and emotional well-being. We are committed to providing a dynamic and inclusive learning environment that fosters personal growth, teamwork, and the development of healthy decision-making and essential life skills.

COURSE	CREDIT	OPEN TO	PREREQUISITE
Health	0.5	9	None
Freshman PE	0.5	9	None
Sports and Fitness	0.5	10-12	None
Lifetime Activities	0.5	10-12	None
Adventure Education *May only take one semester per school year	0.5	10-12	None
Strength 1	0.5	9-12	None
Strength 2	0.5	9-12	1 Semester of Strength 1
Strength 3	0.5	10-12	2 semesters of Strength
Strength 4	1.0	11-12	3 semesters of strength
Early Bird Strength 2	0.5	10-12	1 Semester of Strength 1
Early Bird Strength 3	0.5	10-12	2 semesters of Strength
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



## PHYSICAL WELLNESS INFORMATION

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.
3. Juniors and Seniors will be assigned 2 semesters of PE each year as mandated by state law.
4. All students will be expected to have a PE t-shirt and a PE lock. PE t-shirts can be purchased from the Mustang Spirit Store at the high school for a reasonable cost.
5. All Wellness courses count toward GPA and honor roll.
6. All Wellness courses may 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 participating in a MHS sport that practices or competes at least 5 days a week, sanctioned by IHSA.
  - State law prohibits a school board from honoring parental excuses based upon a student's participation in athletic training, activities, or competitions conducted outside the auspices of the School District. (BOE Policy 7:260)
- The student-athlete is enrolled in 6 academic and credit bearing courses, leaving them with 5 courses for a total 2.5 credits.
- 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.

## STUDENT/ATHLETE INFORMATION

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 the 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.

## PHYSICAL WELLNESS CLASSES

### HEALTH

**Prerequisite:** None

**Open to:** Grade 9

**Length:** 1 semester

**Credits:** 0.5

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 making.

### FRESHMAN PE

**Prerequisite:** None

**Open to:** Grade 9

**Length:** 1 semester

**Credits:** 0.5

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. A Mundelein High School Physical Education shirt is required.

## SPORT AND FITNESS

**Prerequisite:** None

**Open to:** Grades 10-12

**Length:** 1 semester

**Credits:** 0.5

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. A Mundelein High School Physical Education shirt is required.

## LIFETIME ACTIVITIES

**Prerequisite:** None

**Open to:** Grades 10-12

**Length:** 1 semester

**Credits:** 0.5

This course offers lifelong activities that students can continue to benefit their overall health for the rest of their lives. Students will have the opportunity to experience popular individual and dual sports, aquatics, leisure activities, and lifelong fitness activities. These activities may include; badminton, pickleball, frisbee golf, archery, hiking, backyard barbeque games and heart rate tracking. A Mundelein High School Physical Education shirt is required.

## ADVENTURE EDUCATION

**Prerequisite:** None

**Open to:** Grades 10-12

**Length:** 1 semester

**Credits:** 0.5

May only take one semester per school year  
Athletic exemptions not permitted.

This course is designed for students to gain knowledge and insight into a variety of initiatives, rope elements, and outdoor activities which include shelter building, fire building, and archery. Many lifetime 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.

## STRENGTH 1

**Prerequisite:** None

**Open to:** Grades 9-12

**Length:** 1 semester

**Credits:** 0.5

Athletic exemptions not permitted.

This class is designed to introduce students to the world of strength training. Students will be taught basic strength training concepts and techniques, with an emphasis on learning correct movement patterns. Learning how to perform each exercise and movement safely and effectively will be the priority.

Students will learn about each of the ten fitness domains (endurance, stamina, strength, flexibility, power, speed, coordination, agility, balance, and accuracy), and how they can be utilized to improve physical fitness.

The class is designed for universal scalability, making it the perfect application for any student regardless of athletic experience or ability level. 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. A Mundelein High School Physical Education shirt is required.



## STRENGTH 2

**Prerequisite:** 1 Semester of Strength 1

**Open to:** Grades 9-12

**Length:** 1 semester

**Credits:** 0.5

Athletic exemptions not permitted.

This class is designed for the dedicated student who wants to continue building their knowledge of strength training. This class will now attempt to optimize their physical competence in the ten fitness domains (endurance, stamina, strength, flexibility, power, speed, coordination, agility, balance, and accuracy) they learned in Strength 1.

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 continue learning basic strength training concepts and techniques, as well as learn new power and olympic lifts. Other fitness concepts will be discussed, that includes, but is not limited to plyometrics, speed and agility drills, and interval training. Aquatic activities may be used. 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. A Mundelein High School Physical Education shirt is required.

## STRENGTH 3

**Prerequisite:** 1 Semester of Strength 2

**Open to:** Grades 10-12

**Length:** 1 semester

**Credits:** 0.5

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, and interval training. Aquatic

activities may be used. 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. A Mundelein High School Physical Education shirt is required.

## EARLY BIRD STRENGTH 2

**Prerequisite:** 1 Semester of Strength 1

**Open to:** Grades 10-12

**Length:** 1 semester

**Credits:** 0.5

Athletic exemptions not permitted.  
No transportation provided.

This class is designed for the dedicated student who wants to continue building their knowledge of strength training. This class will now attempt to optimize their physical competence in the ten fitness domains (endurance, stamina, strength, flexibility, power, speed, coordination, agility, balance, and accuracy) they learned in Strength 1. 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 continue learning basic strength training concepts and techniques, as well as learn new power and olympic lifts.

Other fitness concepts will be discussed, that includes, but is not limited to plyometrics, speed and agility drills, and interval training. Aquatic activities may be used. 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. A Mundelein High School Physical Education shirt is required.



## EARLY BIRD STRENGTH 3

**Prerequisite:** 1 Semester of Strength 2

**Open to:** Grades 10-12

**Length:** 1 semester

**Credits:** 0.5

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, and interval training. Aquatic activities may be used. 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. A Mundelein High School Physical Education shirt is required.

## STRENGTH 4

**Prerequisite:** 3 semesters of strength

**Open to:** Grades 11-12

**Length:** 2 semesters

**Credits:** 1.0

Athletic exemptions not permitted.

This course is designed for students to explore the world of strength training to determine which path is most beneficial for them now, as well as when they are adults. Students will learn the similarities and differences between a variety of different training styles. Bodybuilding, Powerlifting, Olympic lifting, CrossFit, and Sport Specific Training are just a few that will be covered. Students will create an individualized training program based on the training styles. Aquatic activities may be used. 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. A Mundelein High School Physical Education shirt is required.

## PE GROUP FITNESS

**Prerequisite:**

**Open to:** Grades 10-12

**Length:** 1 semester

**Credits:** 0.5

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. A Mundelein High School Physical Education shirt is required.

## PE ADAPTIVE

**Prerequisite:** Department recommendation

**Open to:** Grades 9-12

**Length:** 2 semesters

**Credits:** 1.0

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. A Mundelein High School Physical Education shirt is required.



## DRIVER EDUCATION

**Prerequisite:** None

**Open to:** Grades 10-12

**Length:** 1 semester

**Credits:** 0.5

**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 2024) MHS fee waiver on file.

**The \$20 instructional permit fee is paid to the Illinois Secretary of State and cannot be waived.**

**All fees and fines must be paid before the student receives a permit.**

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 semester that they are enrolled in.

Students must have a passing grade in 8 classes of the previous 2 semesters in order to enroll in Driver Education.





# WORLD LANGUAGES

Our World Language department offers engaging language learning opportunities for all students. Whether you are looking to fulfill a language requirement, become fluent for travel abroad, prepare for your future career, connect with your heritage, or challenge yourself with an Advanced Placement course, our devoted teachers aim to make studying another language an exciting adventure. We currently provide courses in Spanish, Spanish for Heritage Learners, and French, spanning beginning to advanced levels. Our teachers utilize immersive teaching techniques incorporating conversation, films, literature, music, and more to allow students to thrive in comprehending and communicating in diverse languages. Fluency in other languages and deep cultural awareness create adaptable 21st century thinkers. We urge all students to explore our World Language course selections to uncover how language learning can lead to career opportunities and life-long connections.

COURSE	CREDIT	OPEN TO	PREREQUISITE
French 1	1.0	9-12	None
French 2	1.0	9-12	French 1 or department recommendation
Honors French 3	1.0	10-12	French 2
Honors French 4	1.0	11-12	Honors 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 in middle school taken or Spanish 1
Honors Spanish 3	1.0	10-12	Spanish 2
Honors Spanish 4	1.0	11-12	Honors Spanish 3
Honors Spanish 5: Exploration of Latin American Culture	1.0	11-12	Honors Spanish 4 or Honors Spanish for Heritage Learners 4 Can be taken before AP Spanish
AP Spanish Language	1.0	11-12	Honors Spanish 4 or Honors Spanish for Heritage Learners 4
Spanish for Heritage Learners 2	1.0	9-12	None
Honors Spanish for Heritage Learners 3	1.0	9-12	None or Spanish for Heritage Learners 2
Honors Spanish for Heritage Learners 4	1.0	10-12	Honors Spanish for Heritage Learners 3 or department recommendation
Honors Spanish Language Arts 3	1.0	9-12	Enrolled in middle school Dual Language program and department recommendation
Honors Spanish Language Arts 4	1.0	9-12	Enrolled in middle school Dual Language program and department recommendation of Honors Spanish Language Arts 3

## FRENCH 1

**Prerequisite:** None

**Open to:** Grades 9-12

**Length:** 2 semesters

**Credits:** 1.0

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.

## FRENCH 2

**Prerequisite:** French 1

**Open to:** Grades 9-12

**Length:** 2 semesters

**Credits:** 1.0

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, speaking and listening in the French language. Students will conduct a more advanced study of the culture and traditions of French-speaking countries.

## HONORS FRENCH 3

**Prerequisite:** French 2

**Open to:** Grades 10-12

**Length:** 2 semesters

**Credits:** 1.0

Honors 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.

## HONORS FRENCH 4

**Prerequisite:** Honors French 3

**Open to:** Grades 11-12

**Length:** 2 semesters

**Credits:** 1.0

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.

## AP FRENCH

**Prerequisite:** Honors French 4

**Open to:** Grade 12

**Length:** 2 semesters

**Credits:** 1.0

Course Number: WL5500

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.

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

## SPANISH 1

**Prerequisite:** None

**Open to:** Grades 9-12

**Length:** 2 semesters

**Credits:** 1.0

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.

## SPANISH 2

**Prerequisite:** Completed Middle School Spanish or Spanish 1

**Open to:** Grades 9-12

**Length:** 2 semesters

**Credits:** 1.0

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 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.

## HONORS SPANISH 3

**Prerequisite:** Spanish 2 or department recommendation

**Open to:** Grades 10-12

**Length:** 2 semesters

**Credits:** 1.0

Honors 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.

## HONORS SPANISH 4

**Prerequisite:** Honors Spanish 3

**Open to:** Grades 11-12

**Length:** 2 semesters

**Credits:** 1.0

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.

## HONORS SPANISH 5: EXPLORATION OF LATIN AMERICAN CULTURE

**Prerequisite:** Honors Spanish 4 or Honors Spanish for Heritage Learners 4

**Open to:** Grades 11-12

**Length:** 2 semesters

**Credits:** 1.0

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.

## AP SPANISH LANGUAGE

**Prerequisite:** Honors Spanish 4 or Honors Spanish for Heritage Learners 4

**Open to:** Grades 11-12

**Length:** 2 semesters

**Credits:** 1.0

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.

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

## SPANISH FOR HERITAGE LEARNERS 2

**Prerequisite:** None

**Open to:** Grades 9-12

**Length:** 2 semesters

**Credits:** 1.0

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 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.

## HONORS SPANISH FOR HERITAGE LEARNERS 3

**Prerequisite:** None or Spanish for Heritage Learners 2

**Open to:** Grades 9-12

**Length:** 2 semesters

**Credits:** 1.0

Honors 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.

## HONORS SPANISH FOR HERITAGE LEARNERS 4

**Prerequisite:** Honors Spanish for Heritage Learners 3

**Open to:** Grades 10-12

**Length:** 2 semesters

**Credits:** 1.0

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.

## HONORS SPANISH FOR LANGUAGE ARTS 3

**Prerequisite:** Department recommendation

**Open to:** Grades 9-12

**Length:** 2 semesters

**Credits:** 1.0

### \*This course is for Dual Language Students

Spanish Language Arts 3 is designed for students who have completed a Dual Language middle school program and wish to further enhance their proficiency in reading, writing, and critical analysis in Spanish. Aligned with the Spanish Language Arts standards, this course emphasizes advanced grammar, vocabulary, and writing skills through the study of Spanish literature and informational texts. Students will explore a range of literary genres, including poetry, fiction, and essays, with a focus on themes such as cultural identity, social justice, and historical contexts in Spanish-speaking countries. The course fosters critical thinking and academic literacy in Spanish.

## HONORS SPANISH FOR LANGUAGE ARTS 4

**Prerequisite:** Department recommendation or Honors Spanish Language Arts 3

**Open to:** Grades 9-12

**Length:** 2 semesters

**Credits:** 1.0

### \*This course is for Dual Language Students

Spanish Language Arts 4 is a continuation of Spanish Language Arts 3 and is designed for Dual Language students who seek to refine their advanced reading, writing, and critical thinking skills in Spanish. This course, aligned with the Spanish Language Arts standards, focuses on analyzing complex literary works, contemporary texts, and media from Spanish-speaking cultures. Students will engage with themes such as identity, power, and social movements, while enhancing their ability to write sophisticated essays and conduct in-depth literary analysis. Spanish Language Arts 4 prepares students for advanced academic pursuits in Spanish, emphasizing persuasive writing, research skills, and critical interpretation.

# CAREER & TECHNICAL EDUCATION

Career & Technical Education is a department that engages students in hands-on, real-world experiences in engineering, design technology, business design, industrial technology, culinary, fashion design, and child development. Students develop essential problem-solving and leadership skills by creating innovative solutions to real-life challenges. It is a core value that our studios, labs, and spaces foster inclusion and belonging for all students. We aim to prepare our students for real-world careers and opportunities by keeping up with in-demand trends and the evolving requirements of the professional world. Our students and teachers collaborate to create, build, analyze, and develop practical skills and solutions that will serve them well in the future.

## BUSINESS EDUCATION

The Business Education Department believes that all students should participate in a rigorous program that helps them develop the ideas and skills necessary to be successful in their personal, academic, and professional lives. In our classrooms, business educators introduce students to the basics of personal finance, economic principles of an international marketplace, and the processes by which businesses operate. In addition, we provide a solid educational foundation for students who want to successfully build and operate their own entrepreneurial journeys.

COURSE	CREDIT	OPEN TO	PREREQUISITE
Computer Applications	0.5	9-12	None
App Development and Coding	0.5	9-12	None
AP Computer Science Principles	1.0	10-12	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
Marketing	0.5	10-12	None
Accounting	1.0	10-12	None
Dual Credit Student Internship	1.0	12	Application and Teacher referral

\* This course satisfies the Consumer Education graduation requirement.

## COMPUTER APPLICATIONS

**Prerequisite:** None

**Open to:** Grades 9-12

**Length:** 1 semester

**Credits:** 0.5

In Computer Applications, students will learn powerful software programs that are widely used for schoolwork and in workplaces. Formal instruction in Microsoft Office, which includes Word, Excel, PowerPoint, will allow students to become a skilled user of these popular software programs and improve work productivity. Students will also apply what they learn in Microsoft Office to Google applications such as docs, spreadsheets, and presentations. Software certifications can be achieved to build college and career credentials.

## APP DEVELOPMENT AND CODING

**Prerequisite:** None

**Open to:** Grades 9-12

**Length:** 1 semester

**Credits:** 0.5

This course is part of the [Amazon Future Engineer Program](#). Do you want to learn coding by creating online games? App Development and Coding is an introduction to coding that gives you the foundation for future success in computer science. Game development is a major focus of the course to learn how to code, and students will also learn about artificial intelligence and web design. Students will attend a virtual tour of an Amazon Fulfillment Center, and compete in the Amazon Cyber Robotics challenge.

## AP COMPUTER SCIENCE PRINCIPLES

**Prerequisite:** Algebra 1 or Department recommendation

**Open to:** Grades 10-12

**Length:** 2 semesters

**Credits:** 1.0

\*\*\*This is a Computer Programming Pathway Course.\*\*\*

This course is part of the [Amazon Future Engineer Program](#). How does the Internet actually work? How can cybersecurity protect me? How do I create an online app? The AP Computer Science Principles

class introduces computer science by studying the internet, big data, cryptography and building apps. This class can be a first course for students to explore computer science.

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

## AP COMPUTER SCIENCE A

**Prerequisite:** AP Computer Science Principles recommended and/or App Development and Coding

**Open to:** Grades 10-12

**Length:** 2 semesters

**Credits:** 1.0

\*\*\*This is a Computer Programming Pathway Course.\*\*\*

This course is part of the [Amazon Future Engineer Program](#). Students will learn a powerful object-oriented programming language called Java. When students learn one programming language in detail, they usually understand other programming languages because they are all very similar. This course prepares students for future coursework in Engineering or Computer Science, and is highly recommended if students plan on studying computer science or engineering at college.

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



## PERSONAL FINANCE

**Prerequisite:** None

**Open to:** Grades 9-12

**Length:** 1 semester

**Credits:** 0.5

**This course satisfies the Consumer Education graduation requirement.**

No matter what career you choose, Personal Finance 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.

## BUSINESS LAW

**Prerequisite:** None

**Open to:** Grades 9-12

**Length:** 1 semester

**Credits:** 0.5

\*\*\*This is an Accounting, Economics, Pre-Law/Legal Aide & Business Management & Entrepreneurship Pathway Course.\*\*\*

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.

## HONORS BUSINESS INCUBATOR

**Prerequisite:** None

**Open to:** Grades 10-12

**Length:** 2 semesters

**Credits:** 1.0

\*\*\*This is a Business Management & Entrepreneurship Pathway Course.\*\*\*

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. 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.

## MARKETING

**Prerequisite:** None

**Open to:** Grades 10-12

**Length:** 1 semester

**Credits:** 0.5

\*\*\*This is a Business Management & Entrepreneurship Pathway Course.\*\*\*

Discover the exciting world of marketing in this hands-on course! Learn to create compelling campaigns, analyze consumer behavior, and develop strategies that drive business success via online platforms. From crafting brand stories to pricing products and designing eye-catching promotions, you'll gain real-world skills through team projects and interactions with industry pros. Whether you're interested in business, advertising, or entrepreneurship, this class will equip you with the tools to understand and shape consumer choices in today's dynamic marketplace.

## ACCOUNTING

**Prerequisite:** None

**Open to:** Grades 10-12

**Length:** 2 semesters

**Credits:** 1.0

Articulated Credit with CLC\*

\*\*\*This is an Accounting Pathway Course.\*\*\*

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.

## DUAL CREDIT STUDENT INTERNSHIP

**Open to:** Grade 12

**Length:** 1 semester (may be repeated)

**Credits:** 1.0

### Dual-Credit Opportunity

#### 1 Credit Hour at CLC in EWE 120 Job Readiness Skills

**This course is able to be repeated but students can only receive dual credit once.**

\*\*\*This is a capstone course for ALL Pathways.\*\*

MHS currently offers internship opportunities for high school students to gain real-world experience in the 7 Career Pathways. These semester-long, credit-bearing internships allow students to learn about a particular industry or career by being placed at an approved internship site. Internship activities may include special projects, job shadowing, mentoring, along with a weekly journal and career-focused research. Students will explore the Essential Skills and demonstrate improvement in these skills by the end of the course.

The internship class meets during the 7th and 8th hour, for one semester. Students will be scheduled for 6th period lunch, as some internships require leaving in the middle of 6th period. Individual modes of transportation to internship sites are required. Students who cannot provide an individual mode of transportation may take part in online micro and semester-long internships at the teacher's discretion.

Students must complete Schoolinks career assessments and teacher survey. All students must wear appropriate business or industry attire.

This course is a capstone for students who have pursued a pathway of study such as education, engineering, manufacturing, and broadcast media.

\*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.

Career Pathway	Accounting	Economics	Business Management & Entrepreneurship
<b>D120 Course Requirements</b>	Dual Credit - Intro to Business (CLC Summer)*	AP Micro & Macroeconomics	Dual Credit - Intro to Business (CLC Summer)*
	Accounting (Articulated CLC credit)	<b>Choose at least 1.0 Credit below for Endorsement</b>	Business INCubator
	Business Law	Probability & Stats/AP Statistics	<b>Choose at least 1.0 Credit below for Endorsement</b>
	Dual Credit - Student Internship*	Psychology/AP Psychology	Business Law
	<b>Recommended:</b> • Probability & Stats/AP Statistics	Business Law	Sports & Entertainment Marketing
		Dual Credit - Intro to Business (CLC Summer)*	Psychology/AP Psychology
		Dual Credit - Student Internship*	Probability & Stats/AP Statistics
			Dual Credit - Student Internship*



# FAMILY & CONSUMER SCIENCES

COURSE	CREDIT	OPEN TO	PREREQUISITE
Clothing	0.5	9-12	None
Child Development	0.5	10-12	None
Food and Nutrition	0.5	11-12	None
Dual Credit - ASPIRE Child Development for Educators	0.5	10-12	None
Dual Credit - ASPIRE Introduction to Teaching	0.5	10-12	None
Dual Credit - ASPIRE - Educational Internship	1.0	12	Foundations of Development and Introduction to Teaching Methods or department recommendation

## CLOTHING

**Prerequisite:** None

**Open to:** Grades 9-12

**Length:** 1 semester

**Credits:** 0.5

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.

## CHILD DEVELOPMENT

**Prerequisite:** None

**Open to:** Grades 10-12

**Length:** 1 semester

**Credits:** 0.5

\*\*\*This is an ASPIRE Education Pathway Course.\*\*\*

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.

## FOOD AND NUTRITION

**Prerequisite:** None

**Open to:** Grades 11-12

**Length:** 1 semester

**Credits:** 0.5

In Food and Nutrition, students will learn the foundations of healthy 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.



## DUAL CREDIT - ASPIRE - INTRODUCTION TO TEACHING

**Prerequisite:** None

**Open to:** Grades 10-12

**Length:** 1 semester

**Credits:** 0.5

### Dual-Credit Opportunity

#### 3 Credit Hours at CLC in EDU 121 Introduction to Teaching

\*\*\*This is an ASPIRE Education Pathway Course.\*\*\*

This course provides the prospective teacher with an introduction to teaching in United States school systems. Other topics included are history and philosophy of education, school organization and governance, ethical and legal issues, the nature of teaching, curriculum, the social context, diversity, professional leadership, and current issues.

Course also includes observation experience at local preschools and/or elementary schools.

To be eligible for dual credit, students would need one of the following:

- Top 1/3 of class
- 3.0 (unweighted GPA) after at least 3 semesters
- 470 or greater on SAT in Evidence Based Reading and Writing (EBRW)
- 470 or greater on PSAT
- 17 or greater on ACT in Reading & Writing
- CLC English Placement Test or \*Directed Self Placement

## DUAL CREDIT - ASPIRE - CHILD DEVELOPMENT FOR EDUCATORS

**Prerequisite:** None

**Open to:** Grades 10-12

**Length:** 1 semester

**Credits:** 0.5

### Dual-Credit Opportunity

#### 3 Credit Hours at CLC in EDU 124 Child Development for Educators

\*\*\*This is an ASPIRE Education Pathway Course.\*\*\*

This course provides an overview of the theory and principles of human growth and development from conception through adolescence. Content includes an in-depth study of the inter-relatedness

of physical, cognitive, social and emotional aspects of development. Development is studied in the context of family, gender, culture, language, ability, socioeconomics, diversity, and society. Special emphasis will be on the theories of Piaget, Vygotsky, Erikson, and Gardner with implications for applied classroom practice.

Course also includes interactive experience at local preschools and/or elementary schools.

## DUAL CREDIT STUDENT INTERNSHIP

**Open to:** Grade 12

**Length:** 1 semester (may be repeated)

**Credits:** 1.0

### Dual-Credit Opportunity

#### 1 Credit Hour at CLC in EWE 120 Job Readiness Skill

**This course is able to be repeated.**

#### Possible Summer Paid Internship (Aldridge Electric)

\*\*\*This is an ASPIRE Education Pathway Course.\*\*\*

MHS currently offers internship opportunities for high school students to gain real-world experience in the 7 Career Pathways. These semester-long, credit-bearing internships allow students to learn about a particular industry or career by being placed at an approved internship site. Internship activities may include special projects, job shadowing, mentoring, along with a weekly journal and career-focused research. Students will explore the Essential Skills and demonstrate improvement in these skills by the end of the course.

The internship class meets during the 7th and 8th hour, for one semester. Students will be scheduled for 6th period lunch, as some internships require leaving in the middle of 6th period. Transportation is provided on an as-needed basis to and from internship sites.

Students must complete Schoolinks career assessments and teacher survey. All students must wear appropriate business or industry attire.

This course is a capstone for students who have pursued a pathway of study such as education, engineering, manufacturing, and broadcast media.

## Career Pathway

ASPIRE Education Pathway Early Childhood, Elementary, & Secondary Education	Pre-Law & Legal Aides
Dual Credit - Foundations of Development*	Business Law
Dual Credit - Introduction to Teaching*	Civil Law
<b>AND</b>	Criminal Law
AP Psychology	<b>0.5 credit or more from the following:</b>
<b>OR</b>	Speech
Child Development	Sociology
Psychology	Psychology or AP Psychology
<b>Dual Credit - Student Internship*</b>	<b>Dual Credit - Student Internship*</b>



# INDUSTRIAL TECH

COURSE	CREDIT	OPEN TO	PREREQUISITE
Introduction to Technical Design and Drafting	0.5	9-12	None
Construction 1	0.5	9-12	None
Residential Construction	1.0	10-12	Industrial Technology or Intro to Tech. Design and Drafting or Construction

## INTRODUCTION TO TECHNICAL DESIGN AND DRAFTING

**Prerequisite:** None

**Open to:** Grades 9-12

**Length:** 1 semester

**Credits:** 0.5

\*\*\*This is a Construction Skills Pathway Course.\*\*\*

Introduce students to how computers are used in Computer Aided Design. This course will cover the basic functions of Windows operating system, as well as computer hardware and software and how the operating system relates to the use of both. Extensive use of the internet will be used to download software and information. CAD software will be introduced including AutoCAD (for 2D drawings), Inventor (for 3D mechanical parts), and Revit (for 3D architectural models).

## CONSTRUCTION I

**Prerequisite:** None

**Open to:** Grades 9-12

**Length:** 1 semester

**Credits:** 0.5

\*\*\*This is a Construction Skills Pathway Course.\*\*\*

Construction I 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 to several Programs of Study: Engineering, Manufacturing, Building Trades, etc.

## RESIDENTIAL CONSTRUCTION

**Prerequisite:** Industrial Technology/Intro to Tech. Design and Drafting & Construction I

**Open to:** Grades 10-12

**Length:** 2 semesters

**Credits:** 1.0

\*\*\*This is a Construction Skills Pathway Course.\*\*\*

Residential Construction presents students with the 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.





**Career Pathway • D120 Course Requirements**

**Residential Construction**

Introduction to Technical Design & Drafting

Construction 1

Residential Construction

Dual Credit - Student Internship\*

Physics

Geometry in Construction

Dual Credit - PLTW Intro to Engineering Design\*

# BROADCAST MEDIA

COURSE	CREDIT	OPEN TO	PREREQUISITE
Dual Credit - Beginning Media	0.5	9-12	None
Dual Credit - Advanced Media 1	0.5	9-12	Dual Credit - Beginning Media
Advanced Media 2	0.5	9-12	Dual Credit Advanced Media 1

## DUAL CREDIT - BEGINNING MEDIA

**Prerequisite:** None

**Open to:** Grades 9-12

**Length:** 1 semester

**Credits:** 0.5

### Dual-Credit Opportunity

#### 3 Credit Hours at CLC in DMD 233 Digital Video Editing

\*\*\*This is a Broadcast Media Pathway Course.\*\*\*

In Dual Credit Beginning Media, students work 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. 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 is taught with a “hands-on” approach to learning all about TV productions and video editing. This class is designed for most of the work to be done in class with minimal responsibilities outside of class. No experience is necessary.

## DUAL CREDIT - ADVANCED MEDIA 1

**Prerequisite:** Honors Media

**Open to:** Grades 9-12

**Length:** 1 semester

**Credits:** 0.5

**Course can be repeated for advanced course credit**

### Dual-Credit Opportunity

## 3 Credit Hours at CLC in DMD 170 Introduction to Video Production

\*\*\*This is a Broadcast Media Pathway Course.\*\*\*

Students enhance their skills of video storytelling as they create “news” stories as well as short “films” that focus on an assigned theme each week designed to build specific skills with each new video assignment.

In addition, students will also work in the TV studio where they will assemble, crew, and anchor Mundelein’s “Friday Focus.” which is aired to both the school and posted online for the Mundelein community. Of course, students learn about editing and production, but this is also a class that builds skills such as marketing, communication, collaboration, and time management.

## ADVANCED MEDIA 2

**Prerequisite:** Dual Credit - Advanced Media 1

**Open to:** Grades 9-12

**Length:** 1 semester

**Credits:** 0.5 (Advanced level credit)

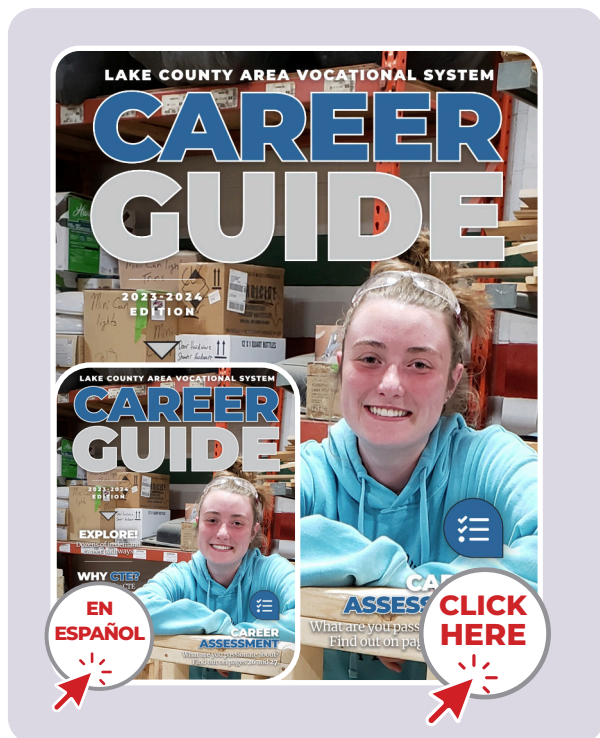
\*\*\*This is a Broadcast Media Pathway Course.\*\*\*

This course is for the student who is serious about further investigating/pursuing an education/career in film, journalism, video production, and marketing. The projects they work on will replicate real, authentic industry, as they plan out interviews, organize people together for video shoots, and create a message that will reach targeted audiences.

Career Pathway	Broadcasting Media
<b>D120 Course Requirements</b>	Dual Credit - Beginning Media*
	Dual Credit - Advanced Media 1*
	<b>Choose 2 Classes below for Endorsement</b>
	Speech
	Creative Writing
	Graphic Design 1
	Dual Credit - Student Internship*
	<b>Recommended:</b> <ul style="list-style-type: none"> <li>Film as Literature</li> </ul>

Career Pathway	
<b>ASPIRE Education Pathway Early Childhood, Elementary, &amp; Secondary Education</b>	<b>Pre-Law &amp; Legal Aides</b>
Dual Credit - Foundations of Development*	Business Law
Dual Credit - Introduction to Teaching*	Civil Law
<b>AND</b>	Criminal Law
AP Psychology	<b>0.5 credit or more from the following:</b>
<b>OR</b>	Speech
Child Development	Sociology
Psychology	Psychology or AP Psychology
<b>Dual Credit - Student Internship*</b>	<b>Dual Credit - Student Internship*</b>





The Tech Campus is an extension of many area high schools for high school students to attend classes in a specific career training program. The Tech Campus is regarded as one of the best career and technical education training facilities in the Midwest with a highly qualified staff dedicated to excellence in career and technical education. With twenty-two member high schools throughout Lake and McHenry Counties representing over 2,300 high school students, we have the largest career technical secondary educational system in the state of Illinois. The Tech Campus experience provides an educational environment that supports and encourages individual learning styles, develops occupational skills and professionalism, promotes academic growth, and assists students in discovering their potential. In addition to high school credit, the Tech Campus partnered with the College of Lake County allows students the opportunity to earn college credit at no cost.

Classes are offered in three sessions, five days a week. Each Tech Campus program allows students to learn at their own pace through a hands-on, experiential based philosophy. Through their respective programs, students use program-specific mathematics, science reasoning, language arts, and technology in real-world applications.

**MUNDELEIN HIGH SCHOOL STUDENTS: TO ATTEND TECH CAMPUS, YOU WILL NEED TO SCHEDULE AN APPOINTMENT WITH YOUR COUNSELOR.**



[Technology Campus Videos](#)

- [Automotive Collision Repair](#)
- [Automotive Service](#)
- [Biomedical Science](#)
- [Certified Nurse Assisting](#)
- [Computer Support Services](#)
- [Construction Skills](#)
- [Cosmetology](#)
- [Criminal Justice](#)
- [Culinary Arts](#)
- [Cybersecurity](#)
- [Early Education & Teaching](#)
- [Emergency Medical Services](#)
- [Firefighting](#)
- [Game Programming](#)
- [Laser Technology](#)
- [Law Enforcement](#)
- [Medical Assisting](#)
- [Multimedia Design](#)
- [Welding](#)



## ART

The Mundelein Art Department believes that art is an important part of a well-rounded humanities education. Mundelein art classes provide individualized learning experiences for students through hands-on projects that promote the understanding of techniques and materials. Art curriculum provides an understanding and appreciation of past and contemporary visual culture and promotes reflection and dialog in visual art.

### ART 2-D

**Prerequisite:** None

**Open to:** Grades 9-12

**Length:** 1 semester

**Credits:** 0.5

\*\*\*This is a Graphic Design Pathway Course.\*\*\*

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.

### ART 3-D

**Prerequisite:** None

**Open to:** Grades 9-12

**Length:** 1 semester

**Credits:** 0.5

\*\*\*This is a Graphic Design Pathway Course.\*\*\*

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, and product design.



### DIGITAL PHOTO/DESIGN 1

**Prerequisite:** None

**Open to:** Grades 9-12

**Length:** 1 semester

**Credits:** 0.5

\*\*\*This is a Journalism Media Pathway Course.\*\*\*

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.

### DRAWING/PAINTING 1

**Prerequisite:** Art 2D or Art 3D

**Open to:** Grades 9-12

**Length:** 1 semester

**Credits:** 0.5

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 water colors. 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.

## GRAPHIC DESIGN 1

**Prerequisite:** Art 2D and/or Digital Photo/Design 1

**Open to:** Grades 9-12

**Length:** 1 semester

**Credits:** 0.5

\*\*\*This is a Broadcast Media & Graphic Design Pathway Course.\*\*\*

Graphic Design I explores digital art & design and visual communication. Students will use the design process and industry standard software such as Adobe Photoshop and Adobe Illustrator to create 2-D images. This course familiarizes the student with current methods, techniques, and technology employed in the field of advertising to develop a student portfolio. Projects may include posters, logos, patterns, digital imaging, digital painting, digital collage, and typography.

## HONORS DRAWING/PAINTING STUDIO

**Prerequisite:** Drawing/Painting 1

**Open to:** Grades 10-12

**Length:** 2 semesters

**Credits:** 1.0

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 multimedia applications.

## DIGITAL PHOTO/DESIGN STUDIO

**Prerequisite:** Digital Photo Design 1

**Open to:** Grades 10-12

**Length:** 2 semesters

**Credits:** 1.0

**May be repeated for HONORS CREDIT.**

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.

## CERAMICS/SCULPTURE 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.**

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.

## 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.**

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 multimedia applications. This class will prepare students for AP Studio Art.



## HONORS GRAPHIC DESIGN STUDIO

**Prerequisite:** Graphic Design 1

**Open to:** Grades 10-12

**Length:** 2 semesters

**Credits:** 1.0

**May be repeated for HONORS CREDIT.**

\*\*\*This is a Graphic Design Pathway Course.\*\*\*

In Graphic Design Studio, students will build upon skills learned in GD1 to explore visual communication and artistic voice through the use of design. Students will learn advanced skills within industry standard software, Adobe Photoshop and Adobe Illustrator. The sequencing of lessons and portfolio development in this course will prepare students for AP Studio Art and offer exposure to graphic design-related careers. Students will study the relationship between products, services, and benefits to potential markets, including such topics as branding, packaging, identity development, and self-promotion, through 2D design work.

## AP STUDIO ART

**Prerequisite:** Any Studio Level Art Class

**Open to:** Grades 11-12

**Length:** 2 semesters

**Credits:** 1.0

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 interprets 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.*

Career Pathway	Broadcasting Media	Journalism Media	Graphic Design
D120 Course Requirements	Dual Credit - Beginning Media*	Journalism: News in the 21st Century	Art2D or Digital Photo/ Design 1
	Dual Credit - Advanced Media 1*	<b>Choose 2 Classes below for Endorsement</b>	Graphic Design 1
	<b>Choose 2 Classes below for Endorsement</b>	Speech	Honors Graphic Design 2
	Speech	Digital Photo/Design I	Dual Credit - Student Internship*
	Creative Writing	Creative Writing	
	Graphic Design 1	Dual Credit - Student Internship*	
	Dual Credit - Student Internship*	<b>Recommended:</b> • Film as Literature	
	<b>Recommended:</b> • Film as Literature		

# MUSIC

Music education is the education of human feeling through the development of a response to sound and how it depicts that feeling. Performance classes provide intimate contact with those expressive qualities. In this context, performance is not an end in itself but a means to an end, which includes the following:

- The knowledge and understanding of the structural elements of music and of music as a creative art form;
- The cultivation of habits, attitudes, and appreciations; and
- The development of each student’s aesthetic potential, sensitivity, and responsiveness to what is beautiful in music.

It is the intent of the music program to give students an understanding of their own culture and the cultures of others, and to provide a unique vehicle for achieving excellence either alone or in collaboration with others. While some students will discover talents leading to careers in music, many will find that music has the potential to enrich their lives through performance, study, and/or appreciation.

COURSE	CREDIT	OPEN TO	PREREQUISITE
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 and Audition
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 department recommendation
Bella Voce	1.0	9-12	None
Honors Concert Choir	1.0	9-12	Audition
Honors Master Singers	1.0	9-12	Audition
Reverb	1.0	9-12	Audition and enrollment in a concert ensemble
Mundelein Sound	1.0	9-12	Audition and enrollment in a concert ensemble
Dual Credit Music Appreciation	.5	9-12	None
AP Music Theory	1.0	10-12	This course runs alternating years: 24-25 and 26-27 school years.

## BEGINNING GUITAR

**Prerequisite:** None

**Open to:** Grades 9-12

**Length:** 1 semester

**Credits:** 0.5

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.

## INTERMEDIATE GUITAR

**Prerequisite:** None

**Open to:** Grades 9-12

**Length:** 1 semester

**Credits:** 0.5

Intermediate Guitar is designed to further develop the basic 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.

## INSTRUMENTAL ENSEMBLES

All students interested in participating in an instrumental ensemble should register for Band and/or Jazz Band and the counselor and Band Directors will place them in the appropriate group. All instrumental ensembles give regular performances.

- Marching Band will run first semester for all students in Concert Band, Symphonic Band, Honors Symphonic Winds, and Honors Wind Ensemble. 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 festivals, football games, and pep band games.
- Summer Marching Band Camp is required for participation in all bands. Students participating in percussion and color guard will have additional required summer camp.

## DUAL CREDIT MUSIC APPRECIATION

**Prerequisite:** None

**Open to:** Grades 9-12

**Length:** 1 semester

**Credits:** .5

This course is designed to acquaint students with the elements of music and the primary musical periods of traditional Western European Classical Music. Students will have a brief overview of the major composers and their music through class discussions, listening to musical examples, attending concerts, and completing class presentations based on historical musical content.

## CONCERT BAND

**Prerequisite:** None

**Open to:** Grades 9-12

**Length:** 2 semesters

**Credits:** 1.0

Concert Band is the entry-level band designed to build on the fundamental instrumental skills

covered in middle school bands. Students perform wind and percussion literature of an intermediate difficulty level in a standard concert band setting.

## SYMPHONIC BAND

**Prerequisite:** None

**Open to:** Grades 10-12

**Length:** 2 semesters

**Credits:** 1.0

Symphonic Band is the 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.

## HONORS SYMPHONIC WINDS

**Prerequisite:** Audition

**Open to:** Grades 9-12

**Length:** 2 semesters

**Credits:** 1.0

Honors Symphonic Winds is the 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. Audition information can be found at [www.mundeleinband.org](http://www.mundeleinband.org).

## HONORS WIND ENSEMBLE

**Prerequisite:** Audition

**Open to:** Grades 9-12

**Length:** 2 semesters

**Credits:** 1.0

Honors Wind Ensemble is the 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. Audition information can be found at [www.mundeleinband.org](http://www.mundeleinband.org).

## HONORS JAZZ ENSEMBLE

**Prerequisite:** Enrollment in a concert band and Audition

**Open to:** Grades 9-12

**Length:** 2 semesters

**Credits:** 1.0

Honors Jazz Ensemble is the elite jazz band designed to refine instrumental music skills through performance. This ensemble performs literature at a college and professional level.

## JAZZ ORCHESTRA

**Prerequisite:** Enrollment in a concert band and Audition

**Open to:** Grades 9-12

**Length:** 2 semesters

**Credits:** 1.0

Jazz Orchestra is the advanced jazz band designed to further develop skills in ensemble performance. This ensemble performs jazz literature of an advanced difficulty level.

## JAZZ WORKSHOP

**Prerequisite:** Enrollment in a concert band or department recommendation

**Open to:** Grades 9-12

**Length:** 1 semester

**Credits:** 0.5

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.

## CHORAL ENSEMBLES

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.

- Students enrolled in show choir will be waived from P.E. for the entire school year.
- Auditions for all choirs except Bella Voce are held in February and March. Please visit the choir website for information: <https://www.d120.org/activities/performing-arts/choir/>

## BELLA VOCE

**Prerequisite:** None (co-ed)

**Open to:** Grades 9-12

**Length:** 2 semesters

**Credits:** 1.0

Bella Voce is for the foundational level choral student at Mundelein High School. It is a beginning level co-ed ensemble, and students must participate in one year of Bella Voce in order to

move on to another choral ensemble, unless they place out of Bella Voce 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 as well as other performances as described in the choral syllabus.

## HONORS CONCERT CHOIR

**Prerequisite:** Audition (co-ed)

**Open to:** Grades 9-12

**Length:** 2 semesters

**Credits:** 1.0

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.

## HONORS MASTER SINGERS

**Prerequisite:** Audition (co-ed)

**Open to:** Grades 9-12

**Length:** 2 semesters

**Credits:** 1.0

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, Senior Honors Night, and community events as requested. In addition, Master Singers has a special off-site annual concert with the Honors Concert Choir in the Spring.

## AP MUSIC THEORY

**Prerequisite:** Department Recommendation

**Open to:** Grades 10-12

**Length:** 2 semesters

**Credits:** 1.0

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.

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

## REVERB

**Prerequisite:** Audition; Enrollment in a Concert Ensemble (Band or Choir)

**Open to:** Grades 9-12

**Length:** 2 semesters

**Credits:** 1.0

Reverb is the prep 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 Reverb also rehearse outside of the school day occasionally and on some Saturdays throughout the year. This class fulfills the PE requirement for the year. There is a fee associated with this class.

## MUNDELEIN SOUND

**Prerequisite:** Audition; Enrollment in a Concert Ensemble (Band or Choir)

**Open to:** Grades 9-12

**Length:** 2 semesters

**Credits:** 1.0

Sound is the award winning varsity 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 Sound also rehearse outside of the school day occasionally and on some Saturdays throughout the year. This class fulfills the PE requirement for the year. There is a fee associated with this class.

# THEATRE

Onstage, backstage, or in the classroom, Mundelein Theatre has a place for everyone. The theatre classes are designed for students who plan on pursuing theatre in college and beyond, as well as students who just wish to build important skills in communication, collaboration, and creativity. *Introduction to Theatre* begins the journey. From there, students can take *Beginning Acting* and/or *Technical Theatre*. *Theatre Studio* is a year-long advanced acting class for those who wish to further refine their skills. The skills built in theatre classes give the student a distinct advantage when it comes to casting and crew assignments for Mundelein Theatre.

COURSE	CREDIT	OPEN TO	PREREQUISITE
Introduction to Theatre	0.5	9-12	None
Technical Theatre	0.5	9-12	Introduction to Theatre
Beginning Acting	0.5	9-12	Introduction to Theatre
Honors Theatre Studio	1.0	10-12	Beginning Acting or department recommendation

## INTRODUCTION TO THEATRE

**Prerequisite:** None

**Open to:** Grades 9-12

**Length:** 1 semester

**Credits:** 0.5

Introduction to Theatre gives the students an opportunity to learn about the exciting world of theatre. They learn how a theatre operates and how a play is produced. The students will learn performance techniques using ensemble-building activities, as well as the opportunity to read a play together. The class will attend each Mundelein Theatre production and watch several recorded shows. This is the entry level class for all other theatre classes.

## TECHNICAL THEATRE

**Prerequisite:** Introduction to Theatre

**Open to:** Grades 9-12

**Length:** 1 semester

**Credits:** 0.5

Technical Theatre introduces students to the basic elements of theatre production and design. Students will learn the ins and outs of set building, scene painting, lighting, sound, costumes, props,

and more. Students will put their knowledge into practice as they work in class on each Mundelein Theatre production. The class will attend each Mundelein Theatre production and watch several recorded shows. This class is repeatable.

## BEGINNING ACTING

**Prerequisite:** Introduction to Theatre

**Open to:** Grades 9-12

**Length:** 1 semester

**Credits:** 0.5

Beginning Acting is the first of our performance classes, designed for those who have a serious interest in developing their acting skills, as well as those looking to build their confidence and have some fun. The class uses modern plays to help the students build honest, believable characters. Techniques include character development, script analysis, and voice and body training. The class will attend each Mundelein Theatre production and watch a recorded show.



## HONORS THEATRE STUDIO

**Prerequisite:** Beginning Acting or department recommendation

**Open to:** Grades 11-12  
(10th grade with department recommendation)

**Length:** 2 semesters

**Credits:** 1.0

Honors Theatre Studio is an advanced acting class that builds on the skills and techniques learned in Beginning Acting. This class is a must for anyone considering participating in college theatre but is also appropriate for those who want to continue building their confidence and having some fun. Audition technique and monologue study in the first semester, and scene study in the second semester. Additionally, a history of the American Musical Theatre is studied throughout the year. Completion of Beginning Acting or teacher permission is required for this class. The class will attend each Mundelein Theatre production. This class is repeatable.





## MUNDELEIN HIGH SCHOOL DISTRICT 120

1350 W. Hawley Street, Mundelein, IL 60060

<https://www.d120.org/>