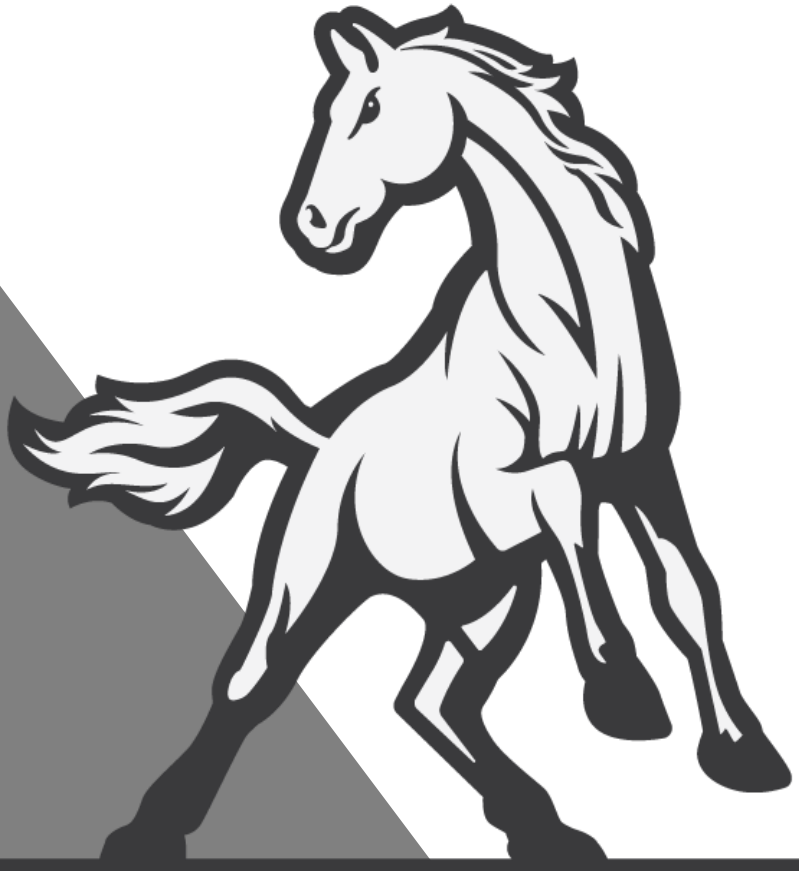


MUNDELEIN™
HIGH SCHOOL

Course Guide 2018-2019

COURSE SELECTION

Dear Parents/Guardians:

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

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

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

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

Please contact our Guidance Department at 949-2200 if you have any questions. We look forward to working closely with you and your students to plan for an exciting and challenging 2018-2019 school year.

Best Regards,

Dr. Anthony Kroll
Principal

GRADUATION REQUIREMENTS

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

- 4.0 units of approved English
- 3.0 units of approved Math
- 3.0 units of approved Science
- 3.0 units of approved Social Science
- 4.0 units of approved Health/PE

While transitioning to the new bell schedule in the 2018-2019 school year, the graduation requirements are established for each graduating class below.

- Class of 2019 – 23 credits
- Class of 2020 – 22 credits
- Class of 2021 – 22 credits
- Class of 2022 – 22 credits

COMMON CORE STATE STANDARDS

What are the Common Core State Standards?

The Common Core State Standards Initiative is a state-led effort coordinated by the National Governors Association Center for Best Practices (NGA Center) and the Council of Chief State School Officers (CCSSO). The standards were developed in collaboration with teachers, school administrators, and experts, to provide a clear and consistent framework to prepare our children for college and the workforce.

Who reviewed the Common Core State Standards as they were developed?

The NGA Center and CCSSO received initial feedback on the draft standards from national organizations representing, but not limited to, teachers, postsecondary educators (including community colleges), civil rights groups, English language learners, and students with disabilities. Following the initial round of feedback, the draft standards were opened for public comment, receiving nearly 10,000 responses.

What are the benefits of the Common Core State Standards?

The standards are informed by the highest, most effective models from states across the country and countries around the world, and provide teachers and parents with a common understanding of what students are expected to learn. Consistent standards will provide appropriate benchmarks for all students, regardless of where they live.

These standards define the knowledge and skills students should have within their K-12 education careers so that they will graduate high school able to succeed in entry-level, credit-bearing academic college courses and in workforce training programs. The standards:

- Are aligned with college and work expectations;
- Are clear, understandable and consistent;
- Include rigorous content and application of knowledge through high-order skills;
- Build upon strengths and lessons of current state standards;
- Are informed by other top performing countries, so that all students are prepared to succeed in our global economy and society; and
- Are evidence-based. (www.corestandards.org)

How is Mundelein High School incorporating the Common Core State Standards?

Mundelein High School has transitioned to the Common Core State Standards. All faculty members participated in professional development sessions in which they learned about the Common Core State Standards (CCSS) and integrating our curriculum, instruction, and assessments with the CCSS. Students are expected to engage in high-level reading, writing, and thinking activities in all of their classes, both required and elective. Teachers plan engaging lessons that require students to learn and practice college-ready skills.

When will Mundelein High School students be assessed on the Common Core State Standards?

Starting in the 2017-2018 school year, Illinois will use the SAT exam with 11 grade students to assess students' abilities within the Common Core State Standards. This exam will provide teachers with timely information to inform instruction and deliver student support.

NCAA CLEARINGHOUSE REQUIREMENTS

Students who wish to participate in collegiate athletics at the Division I or II level must apply for certification with the National Collegiate Athletic Association (NCAA) Clearinghouse after their junior year in high school. Mundelein High School counselors can assist students in completing this process.

To be certified by the Clearinghouse, you must:

1. Graduate from high school. You should apply for certification after your junior year in high school if you wish to participate in intercollegiate athletics as a freshman at a Division I or II institution. Complete the 16 core courses.
2. Present a minimum required grade point average in your core courses. Only courses that are on Mundelein High School's "List of NCAA Approved Core Courses" can be used to calculate your NCAA GPA.
3. For Division I, calculate a combined SAT or ACT sum score that matches your core course grade point average and test score and match it to the chart in the guide "For the College Bound Athlete," available at www.eligibilitycenter.org.

Initial Eligibility Standards for NCAA Division I College bound student athletes are changing

College bound student athletes first entering an NCAA Division I college or university on or after August 1, 2016, will need to meet new academic rules in order to receive athletic aid (scholarship), practice, or compete during their first year.

What are the new Division I requirements?

Full Qualifier	Academic Redshirt	Nonqualifier
Complete 16 core courses. ● 10 of the 16 core courses must be complete before the seventh semester (senior year) of high school ● 7 of the 10 core courses must be in English, Math, or Science ● Minimum core course GPA of 2.30 ● Meet the sliding scale requirement of GPA and ACT/SAT score	Complete 16 core courses. ● Minimum core course GPA of 2.0 ● Meet the sliding scale requirement of GPA and ACT/SAT score.	Does not meet requirements for full quarter or academic redshirt status.
Graduate from high school	Graduate from high school	

LIST OF NCAA APPROVED CORE COURSES

The NCAA Initial Eligibility Clearinghouse has approved courses for use in establishing the certification status of student-athletes from Mundelein High School. If you intend to participate in college athletics, please see your counselor concerning how this list affects your registration for classes.

To access Mundelein High School's List of Approved Core courses:

»» *Go to www.eligibilitycenter.org*
»» *Click on "Resources" at the top*
»» *Click on "U.S. Students"*
»» *Click on "List of NCAA Courses" on right hand side*
»» *Enter our high school code 143097 in the box and click "Search"*
»» *You now have the most up-to-date list of our Approved Core Courses.*

PROGRAMS OF STUDY

The U.S. Department of Education defines a Program of Study as a comprehensive, structured approach for delivering academic and career and technical education to prepare students for postsecondary education and career success. Each Program of Study is linked to one of 16 career clusters (see below), the occupations and industries associated with each area, and the MHS courses needed to prepare students for those careers.

In order to achieve academic excellence, students must see the relevance of their studies through direct connections between school and career opportunities. Mundelein High School guides students by linking high school courses to viable careers through Programs of Study.

The following Programs of Study were created by Mundelein High School, in collaboration with Lake County High Schools Technology Campus and the College of Lake County (CLC), as a way of providing all students with a pathway of coursework for a chosen career. Each Program of Study consists of

- Possible careers
- Required MHS courses and related elective courses
- Lake County High School Technology Campus programs
- MHS extracurricular activities, clubs, and teams
- College and University majors
- College of Lake County programs

The graphic on the following page outlines the 5 Career and Technical Education (CTE) Areas for Secondary Students:

- Business, Marketing, and Computer Education
- Technology and Engineering Education
- Family and Consumer Sciences
- Health Sciences Technology
- Agricultural Education

The 16 Career Clusters branch off of the 5 CTE Areas. Within each of the 16 Career Clusters, there are several Career Pathways, with a total of 79 Career Pathways identified. All students have the opportunity to take an online career interest inventory. Our hope is that students and parents, in collaboration with guidance counselors, will use the results of the inventory to inform their course selection and post-secondary plans.

We offer many opportunities for students and parents to learn about colleges and universities through College Planning Nights, Financial Aid Information Nights, and a College and Career Resource Center.

Illinois Career Cluster Framework

Government & Public Administration
Governance
National Security
Foreign Service
Planning
Revenue & Taxation
Regulation
Public Management & Admnistration

Business Management & Administration
General Management
Business Information Management
Human Resources Management
Operations Management
Administrative Support

Marketing
Marketing Management
Professional Sales
Merchandising
Marketing Communications
Marketing Research

Finance
Securities & Investments
Banking Services
Business Finance
Accounting
Insurance

Information Technology
Network Systems
Information Support & Services
Web & Digital Communications
Programming & Software Development

Law, Public Safety, Corrections & Security
Correction Services
Emergency & Fire Management Services
Security & Protective Services
Law Enforcement Services
Legal Services

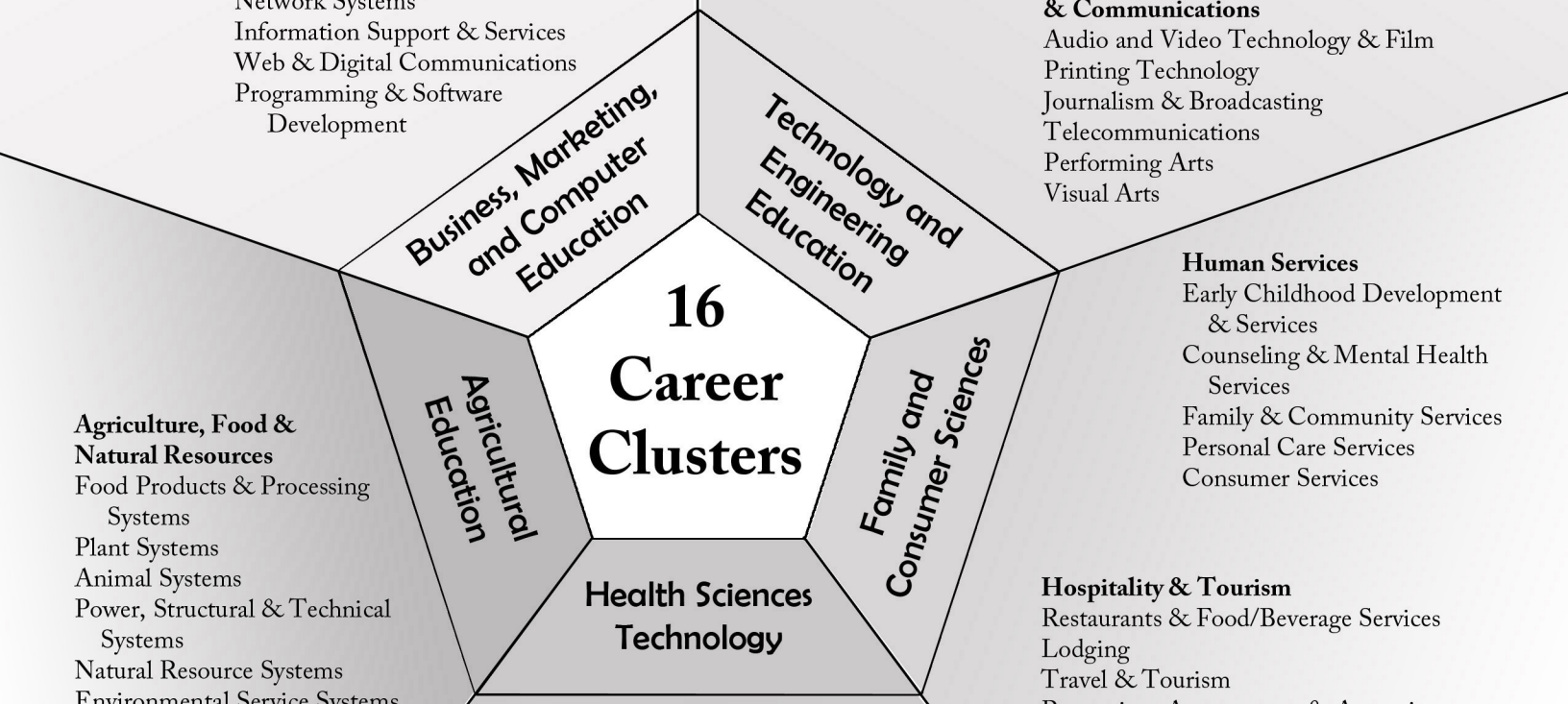
Architecture & Construction
Design/Pre-Construction
Construction
Maintenance/Operations

Transportation, Distribution & Logistics
Transportation Operations
Logistics Planning & Management Services
Warehousing & Distribution Center Operations
Facility & Mobile Equipment Maintenance
Transportation Systems/Infrastructure Planning, Management & Regulation
Health, Safety & Environmental Management
Sales & Services

Manufacturing
Production
Manufacturing Production Process Development
Maintenance, Installation & Repair
Quality Assurance
Logistics & Inventory Control
Health, Safety & Environmental Assurance

Science, Technology, Engineering & Mathmatics
Engineering & Technology
Science & Math

Arts, Audio/Video Technology & Communications
Audio and Video Technology & Film
Printing Technology
Journalism & Broadcasting
Telecommunications
Performing Arts
Visual Arts



Human Services
Early Childhood Development & Services
Counseling & Mental Health Services
Family & Community Services
Personal Care Services
Consumer Services

Agriculture, Food & Natural Resources
Food Products & Processing Systems
Plant Systems
Animal Systems
Power, Structural & Technical Systems
Natural Resource Systems
Environmental Service Systems
Agribusiness Systems

Hospitality & Tourism
Restaurants & Food/Beverage Services
Lodging
Travel & Tourism
Recreation, Amusements & Attractions

Health Science
Diagnostic Services
Support Services
Health Informatics
Therapeutic Services
Biotechnology Research & Development

Education & Training
Administration & Administrative Support
Professional Support Services
Teaching/Training

Career Cluster: Agriculture, Food, and Natural Resources

Careers

Agricultural Educator	Botanist	Fish and Game Officer	Physiologist
Animal Caretaker-Poultry Manager	Dairy Producer	Health and Safety Sanitarian	Produce Buyer
Animal Nutritionist	Equine Manager	Livestock Buyer	Recycling Technician
Aquaculteralist	Ecologist	Livestock Geneticist	Wildlife Manager
Artificial Insemination Technician	Env. Compliance-Assurance	Livestock Inspector	Wildlife Biologist
Agricultural Chemical Dealer	Environmental Engineer	Meat Cutter-Meat Grader	USDA Inspector
Agricultural Educator	Equine Manager	Meat Science Researcher	Veterinarian
Aquaculturalist	Farm Manager	Park Manager	Veterinary Assistant
Bank/Loan Office	Feed Sales Representative	Plant Pathologist	

High School Courses

9th Grade	10th Grade	11th Grade	12th Grade
Required Core Courses			
English 1	English 2	English 3	English
Algebra 1	Geometry	Geometry/Algebra 2	PE
Biology	Earth Science	Chemistry/Physics/Physical Science	
World Studies	US History	Government	
Health/PE	PE	PE	
		Economics	
		Intro to Business	
Recommended Pathway Courses			
Zoology	Business Inubator	AP Environmental Science	Physics
	Accounting 1	Statistics/AP Statistics	Advanced Algebra, Honors Pre-
	Digital Photo/Design 1	Honors Accounting 2	Calculus, AP Calculus
	Food and Nutrition	Business Management	Internship
Related Courses			
	Composition	Economics	
	Business Law	AP Microeconomics	
		AP Macroeconomics	
Lake County High School Technology Campus			
Available Certifications:	Serve Safe	Culinary Arts 1	Culinary Arts 2
	IL Dept. of Public Health Sanitation		

School Activities

Career Enhancement			
Recycling Club	Economics Team	National Technical Honors Society	SkillsUSA
FBLA	Academic Team		

College & University Majors

College & University Majors		
Agricultural and Domestic Animal Services	Animal Nutrition	Animal/Livestock Husbandry Science
Agricultural Animal Breeding	Animal Sciences	Agricultural Communication/Journalism
Animal Health	Animal Training	Dairy Husbandry Science
Agricultural Education Services	Agricultural Public Services	Equine Studies

College of Lake County Programs

Certificates	Degrees	Dual Credit[DC] and Articulated Credit[AC] Courses	Four-Year Universities Transfer Programs
Biological Sciences			
	Pre-Veterinary Medicine AA (60 cr)		
	Wildlife Management AS (60 cr)		
	Zoology AS (60 cr)		
Hospitality and Culinary			
Baking and Pastry Assistant (17 cr)	Hospitality and Culinary	Introduction to the Hospitality	Lexington College
Hospitality Manager (35-37 cr)	Management AAS (69 cr)	IndustryDC AC (3 cr)	
Pastry Chef Assistant (31 cr)	Baking and Pastry Arts AAS (65 cr)	Culinary Principles[DC AC] (5 cr)	
Hospitality Supervisor (18 cr)		ServSafe: Food Service	
Professional Chef (33 cr)		Menu Marketing and	
Professional Cook (17 cr)			
Horticulture			
Arboriculture (18 cr)	Horticulture Production AAS (63 cr)		
Floral Design (18 cr)	Landscape Design AAS (63 cr)		
Landscape Design (18 cr)	Landscape Construction and		
Landscape Maintenance (18 cr)	Maintenance AAS (63 cr)		
Natural Areas Management (18 cr)	Natural Areas Management		
Sustainable Agriculture (25 cr)	Sustainable Agriculture AAS (63 cr)		
Accounting			
Accounting Clerk (23 cr)	Accounting AAS (60-66 cr)	Accounting Procedures[AC] (3 cr)	DeVry University
Professional Accounting (39 cr)	Accounting AA (60 cr)		Northeastern Illinois University
			Southern Illinois University
Business Administration			
Entrepreneurship/Small Business	Business Administration AAS (64 cr)		Columbia College Chicago
Marketing (27 cr)	Entrepreneurship/Small Business		DeVry University
Supervision (27 cr)	Management AAS (64 cr)		National Louis University
	Marketing AAS (64 cr)		Southern Illinois University
	Business Administration AA (60 cr)		

Career Cluster: Architecture and Construction

Careers				
	Architect	Drafter	HVAC Mechanic	Project Inspector
	Carpenter	Drywall Installer	Interior Designer	Roofer
	Civil Engineer	Electrician	Painter	Safety Director
	Construction Foreman/Manager	Electronic Systems Technician	Paperhanger	Sheet Metal Worker
	Contractor	Equipment Material Manager	Plumber	Tile and Marble Setter
	Demolition Engineer	General Contractor/Builder	Project Estimator	

High School Courses	9th Grade	10th Grade	11th Grade	12th Grade
	Required Core Courses			
	English 1 Algebra 1 Biology World Studies Health/PE	English 2 Geometry Earth Science or Chemistry US History PE	English 3 Geometry/Algebra 2 Science Government PE Intro to Business	English Science PE
	Recommended Pathway Courses			
	Industrial Tech Computer Applications 1 Introduction to Art	Digital Photo/Design 1, Drawing/Painting 1, Ceramics/Sculpture 1	Engineering Graphics Digital Photo/Design Studio, Drawing/Painting Studio, Ceramics/Sculpture Studio	Building Trades AP Physics Internship
	Related Courses			
	Introduction to Art PLTW-IED	Engineering Graphics PE Strength Training STEM Inquiry and Research	Drawing/Painting 1	Pre-Calculus
	Lake County High School Technology Campus			
	Available Certifications:	Not Applicable	Building Trades 1 Welding 1	Building Trades 2 Welding 2

School Activities				
	Career Enhancement			
	Art Club Math Team	Robotics Academic Team	SkillsUSA	National Technical Honors Society

College & University Majors				
	College & University Majors			
	Architectural and Building Sciences	Architectural Technology	Civil Engineering	Energy Management
	Architectural Drafting	Architecture	Construction Engineering	Interior Architecture
	Architectural Engineering	Building Construction	Construction Management	Landscape Architecture
	Architectural History and Criticism	Building Management	Drafting/Design Technology	Mechanical Drafting

College of Lake County Programs	Certificates	Degrees	Dual Credit[DC] and Articulated Credit[AC] Courses	Four-Year Universities Transfer Programs
	Architectural Technology			
	Architectural Technology (34 cr)	Architectural Technology AAS (63 cr)		
	CAD Drafting Technology			
	3D Parametric (21 cr) Architectural (24 cr) AutoCAD (13 cr) Autodesk Inventor (9 cr) CAD Drafting Technology (31 cr) Civil (21-22 cr) Graphics, Animation and Presentation (24-25 cr) Creo (9 cr) SolidWorks (9 cr)	Architectural/Civil AAS (63-64 cr) Graphics, Animation and Presentation AAS (61 cr) Mechanical AAS (61 cr)		
	Civil and Environmental Technology			
	Pre-Civil Engineering Technician (16 cr)	Civil and Environmental Technology AAS (65-68 cr) Surveying/Geomatics AA (60 cr)		
	Construction Management Technolog			
	Construction Management Technology (24-26 cr)	Construction Management Technology AAS (64-68 cr)	Carpentry I[AC] (3 cr) Carpentry II[AC] (3 cr)	Illinois State University Purdue University Calumet

	Certificates	Degrees	Dual Credit[DC] and Articulated Credit[AC] Courses	Four-Year Universities Transfer Programs
College of Lake County Programs	***Electrical Engineering Technology***	Electrical Engineering Technology AAS (71 cr)	PC Hardware Fundamentals[AC] (3 cr) PC Peripherals and Troubleshooting[AC] (3 cr)	DeVry University Michigan Tech University Milwaukee School of Engineering Northern Illinois University Southern Illinois University
	Desktop Support Technician (9 cr) Electrical/Electronics Maintenance (31 cr) Electronics Technology (35 cr) Fiber Optics Technician (7 cr)			
	Electronic Systems Technology	Electronic Systems Technology (60 cr)	PC Hardware Fundamentals[AC] (3 cr) PC Peripherals and Troubleshooting[AC] (3 cr)	Southern Illinois University
	Heating and Air Conditioning Engineering Technology	Energy Audit AAS (66 cr) HET Supervisor AAS (66 cr) Industrial Refrigeration AAS (66 cr) Light Commercial HVAC AAS (66 cr) Residential HVAC AAS (66 cr) Stationary Engineer AAS (66 cr)		Ferris State University
	Commercial Refrigeration Technician (14 cr) Electrical Troubleshooting Technician (14 cr) Energy Audit (33 cr) HET Core (21 cr) HET Supervisor (33 cr) HVAC Office Certificate (19 cr) Industrial Refrigeration (33 cr) Light Commercial HVAC (33 cr) Plumbing and Pipefitting (14 cr) Residential Air Conditioning Technician (14 cr) Residential Energy Auditing (16 cr) Residential Heating Technician (14 cr) Residential HVAC (33 cr) Residential Weatherizing (15 cr) Stationary Engineer (33 cr)			
	Machine Tool Trades	Machine Tool Trades AAS (65 cr)		
	Basic Machining - Phase I (15 cr) Machine Tool Trades - Phase II (35 cr) Tool and Mold Maker - Phase III (50 cr)			
	Mechanical Engineering Technology	Mechanical Engineering Technology AAS (68-69 cr)		Northern Illinois University
	Mechanical Engineering Technology Design - MET I Toolbox (9 cr) Mechanical Engineering Technology Design - MET II Nuts and Bolts (7 cr) Mechanical Engineering Technology Design - MET III Mechatronics (9 cr) Mechanical Engineering Technology Design - MET IV Design and Innovation (17-18 cr) Mechanical Service Technician I (17 cr) Mechanical Service Technician II (18 cr)			
	Welding			
	Gas Metal Arc Welding (18 cr) Gas Tungsten Arc Welding (24 cr) Shielded Metal Arc Welding (21 cr) Welding (41-42 cr)		General Welding[DC AC] (2 cr) Gas, Welding, Cutting and Brazing[DC AC] (3 cr) Shielded Metal Arc Welding[DC AC] (3 cr)	

Career Cluster: Arts, Audio/Video, Technology, and Communications
Pathway: Audio and Video Tech and Film

Careers	Audio Systems Technician Technical Computer Support Tech: Film, Video and DVD	Audio-Video System Service Tech Videographer: Special Effects and Animation	Video Systems Technician Audio-Visual Designer and Engineer

	9th Grade	10th Grade	11th Grade	12th Grade
High School Courses	**Required Core Courses**			
	English 1 Algebra 1 Biology World Studies Health/PE	English 2 Geometry Earth Science or Chemistry US History PE	English 3 Geometry/Algebra 2 Physics/Physical Science Government PE Economics	English PE
	Recommended Pathway Courses			
	Introduction to Art Beginning TV Tech Theatre Computer Applications 1	TV Apprenticeship Digital Photo/Design 1 Media Integrated Communication Technology Support Internship	TV Apprenticeship Digital Photo/Design Studio	Films as Literature Advanced Algebra, Honors Pre-Calculus, AP Calculus Internship
	Related Courses			
			TV Apprenticeship	TV Apprenticeship
	Lake County High Schools Technology Campus			
	Available Certifications:	Adobe Dreamweaver, Flash, Illustrator and Photoshop CompTIA A+ Essentials CompTIA A+ Practical Application	Graphic/Web Design 1 Computer Support Services 1 Photographic Design 1 Game/C++ Programming 1	Graphic/Web Design 2 Computer Support Services 2 Photographic Design 2 Game/C++ Programming 2

School Activities	**Career Enhancement**			
	Broadcasting Team Academic Team	National Technical Honors Society	SkillsUSA	Robotics

College & University Majors	**College & University Majors**			
	Art History Art Studies Arts Management Audio Engineering Audiovisual Communications	Computer Graphics Design and Visual Communications Documentary Production Drawing Fiber, Textile and Weaving Arts	Film/Video and Photographic Arts Fine and Studio Arts Management Fine Arts and Art Studies Multimedia Metal and Jewelry Arts	Museology/Museum Studies Painting Photography Printmaking Sculpture

	Certificates	Degrees	Dual Credit[DC] and Articulated Credit[AC] Courses	Four-Year Universities Transfer Programs
College of Lake County Programs	***Digital Media and Design***			
	Multimedia Communications (36 cr) Multimedia Presentations (14 cr)	Digital A/V Production and Editing AAS (63 cr) Digital Media and Design AAS (66 cr)	Introduction to Digital Media[AC] (3 cr) Web Design and Development[AC] (3 cr) Introduction to Photography I[AC] (3 cr) Digital Photography I[AC] (3 cr)	
	Electrical Engineering Technology			
	Desktop Support Technician (9 cr) Electrical/Electronics Maintenance (30-32 cr) Electronics Technology (35 cr)	Electrical Engineering Technology AAS (71 cr)	PC Hardware Fundamentals[AC] (3 cr) PC Peripherals and Troubleshooting[AC] (3 cr)	DeVry University Michigan Tech University Milwaukee School of Engineering Northern Illinois University Southern Illinois University

College of Lake County Programs	Certificates	Degrees	Dual Credit[DC] and Articulated Credit[AC] Courses	Four-Year Universities Transfer Programs
	Electronic Information Technology	Electronic Information Technology AAS (65 cr)	PC Hardware Fundamentals[AC] (3 cr) PC Peripherals and Troubleshooting[AC] (3 cr)	
	Fiber Optics Technician (7 cr) Linux System Administration (15-16 cr) Wireless Networking Security (14 cr)			
	Electronic Systems Technology	Electronic Systems Technology (60 cr)	PC Hardware Fundamentals[AC] (3 cr) PC Peripherals and Troubleshooting[AC] (3 cr)	Southern Illinois University
	Computer Information Technology	C+ Programmer AAS (61-65 cr) Computer Forensics AAS (62-66 cr) Game Development AAS (61-63 cr) Java Programmer AAS (60-64 cr) .NET Programmer AAS (60-67 cr) Network Administration and Security AAS (63-65 cr) Office Application Specialist AAS (60-64 cr) Web Programmer AAS (60-64 cr) Computer Information Technology AA (60 cr)	Introduction to Computers[DC] (3 cr) Operating Systems for A+ Certification[DC] (3 cr) 2D Game Development[DC] (3 cr) 3D Game Development[DC] (3 cr)	Franklin University Roosevelt University Southern Illinois University
	C++ Programming (16 cr) Computer Forensics Analyst (32-34 cr) Computer Forensics Technician (18 cr) Desktop Support Technician (9 cr) Game Development (28 cr) Java Programming (15 cr) .NET Programming (20 cr) Network Administration and Security (36 cr) Office Application Specialist (21 cr) Oracle Administrator Certified Associate (9 cr) Oracle Administrator Certified Professional (12 cr) Security Administration (25 cr) Web Programming (18 cr)			

Career Cluster: Business, Management and Administration

Careers

Administrative Assistant	E-Commerce Analyst	Marketing Analyst	Sales Representative
Advertising Sales Person	Entrepreneur	Medical Transcriptionist	Wholesale and Retail Buyer
Auditor	Facilities Manager	Office Manager	
Business Consultant	Finance Director	OSHA/ADA Compliance Officer	
Certified Public Accountant	Human Resources Manager	Personnel Recruiter	
Corporate Trainer	Investment Executive	Public Relations Manager	

High School Courses

9th Grade	10th Grade	11th Grade	12th Grade
Required Core Courses			
English 1 Algebra 1 Biology World Studies Health/PE	English 2 Geometry Earth Science or Chemistry US History PE	English 3 Geometry/Algebra 2 Earth Science/ Physics/Physical Science Government PE Economics	English PE
Recommended Pathway Courses			
Computer Applications 1 & 2 Introduction to Art	Accounting 1 Sports & Entertainment Marketing Business Management Digital Photo/Design 1	Business Law Civil Law Honors Accounting 2 AP Microeconomics AP Macroeconomics Digital Photo/Design Studio Business Incubator	Honors or AP Science Advanced Algebra, Honors Pre-Calculus, AP Calculus Psychology 1 & 2/AP Psychology Internship
Related Courses			
World Languages	World Languages	World Languages	Criminal Law World Languages AP 2-D Design
Lake County High Schools Technology Campus			
Available Certifications:	Not Applicable	Criminal Justice	Criminal Justice

School Activities

Career Enhancement			
FBLA	National Honor Society	SkillsUSA	After School Coalition
Economics Team	Student Leadership	Model UN	National Technical Honors Society

College & University Majors

College & University Majors		
Accounting	Customer Service Management	Management Science
Accounting and Business/Management	Entrepreneurial and Small Business Operations	Office Management and Supervision
Accounting and Computer Science	Entrepreneurship/Entrepreneurial Studies	Operations Management and Supervision
Accounting and Finance	Franchising and Franchise Operations	Operations Research
Accounting Technology	Human Resources Development	Organizational Behavior Studies
Arts, Entertainment, and Media Management	Information Resources Management/CIO Training	Organizational Communication
Auditing	International Business/Trade/Commerce	Organizational Leadership
Business Administration and Management	Labor and Industrial Relations	Knowledge Management
Business Statistics	Public Relations, Advertising, and Applied Communication	Public Relations/Image Management
Business/Commerce	Purchasing, Procurement/Acquisitions and Contracts Management	Labor Studies
Business/Corporate Communications	Logistics, Materials, and Supply Chain Management	Research and Development Management
Business/Managerial Economics	Management Information Systems and Services	Small Business Administration

College of Lake County Programs

Certificates	Degrees	Dual Credit[DC] and Articulated Credit[AC] Courses	Four-Year Universities Transfer Programs
Accounting			
Accounting Clerk (23 cr) Professional Accounting (30 cr)	Accounting AAS (60-66 cr) Accounting AA (60 cr)	Accounting Procedures[AC] (3 cr)	DeVry University Northeastern Illinois University Southern Illinois University
Administrative Office Systems			
Administrative Assistant (30 cr) Administrative Leadership (12 cr) General Office (16 cr) Office Professional (12 cr)	Administrative Professional AAS (60-63 cr)	Computer Basics/Software Applications[AC] (3 cr)	DeVry University Southern Illinois University
Business Administration			
Entrepreneurship/Small Business Management (27-29 cr) Marketing (27 cr) Supervision (27 cr)	Business Administration AAS (60-63 cr) Entrepreneurship/Small Business Management AAS (60-63 cr) Management AAS (60-63 cr) Marketing AAS (60-63 cr) Sales AAS (60-63) Business Administration AA (60 cr)		Columbia College Chicago DeVry University National Louis University Southern Illinois University
Criminal Justice			
Criminal Justice (30 cr)	Criminal Justice AAS (60 cr) Criminal Justice AA (60 cr)	Introduction to Criminal Justice[DC AC] (3 cr) Introduction to Policing[DC AC] (3 cr)	North Park University
Paralegal Studies			
Paralegal Studies (21 cr)	Paralegal Studies AAS (63 cr)		Chancellor University Roosevelt University Southern Illinois University

Career Cluster: Education and Training

Pathway: Administration and Administrative Support, Professional Support Services, Teaching/Training

Careers

Administrator	Clinical Psychologist	Curriculum Developer	Middle School Teacher
Assessment Specialist	Coach	Elementary Teacher	Principal
CareerTech Administrator	College/University Faculty	High School Teacher	Speech-Language Pathologist
Child Care Worker	Counselor		

High School Courses

9th Grade	10th Grade	11th Grade	12th Grade
Required Core Courses			
English 1 Algebra 1 Biology World Studies Health/PE	English 2 Geometry Science US History PE	English 3 Geometry/Algebra 2 Science Government PE AP Microeconomics	English PE
Recommended Pathway Courses			
Computer Applications 1 & 2 Introduction to Art	Child Development	Probability & Statistics Psychology 1 & 2/AP Psychology Sociology	Honors or AP Science Advanced Algebra, Honors Pre-Calculus, AP Calculus Internship
Related Courses			
World Languages Business Law Civil Law	World Languages Criminal Law	World Languages	World Languages
Lake County High Schools Technology Campus			
Applicable Certifications:	Not Applicable	Early Childhood Education 1 Criminal Justice 1	Early Childhood Education 2 Criminal Justice 2

School Activities

Career Enhancement			
FBLA	Art Club	SkillsUSA	National Honor Society
Book Club	Broadcasting Team	National Technical Honors Society	

College & University Majors

College & University Majors		
Administration of Special Education	School Counseling and Guidance Services	Housing and Human Environments
Adult and Continuing Education	Early Childhood Education and Teaching	Humanities/Humanistic Studies
American Literature	Educational Administration and Supervision	Indian/Native American Education
Bilingual and Multilingual Education	Educational Assessment, Testing, and Measurement	Kinesiology and Exercise Science
Curriculum and Instruction	Educational Evaluation and Research	Multicultural Education
Education	Educational Statistics and Research Methods	Nursing Education
English Language and Literature	Educational/Instructional Technology	School Library Media Specialist
Environmental Education	Elementary Education and Teaching	Special Education and Teaching
Family and Consumer Sciences	Physical Education Teaching and Coaching	Speech and Rhetorical Studies
General Literature	Social and Philosophical Foundations of Education	Teacher Assistant/Aide
General Studies	Intercultural/Multicultural and Diversity Studies	Teacher Education
Health and Physical Education	International and Comparative Education	ESL Language Instructor
Liberal Arts and Sciences	Kindergarten/Preschool Education and Teaching	Urban Education and Leadership
Library Science		

College of Lake County Programs

Certificates	Degrees	Dual Credit[DC] and Articulated Credit[AC] Courses	Four-Year Universities Transfer Programs
Early Childhood Education			
Administration and Leadership in ECE (30 cr) Early Childhood Education (33 cr) Home Based Childcare (24 cr) Infant-Toddler Specialist (18 cr) School-Aged Child Care (18 cr)	Early Childhood Education AAS (61-64 cr) Early Childhood Education AA (60 cr) Teaching Early Childhood Education AAT (63 cr)	Creative Activities[AC] (3 cr) Health, Safety and Nutrition[DC] (3 cr)	Kendall College
Education Paraprofessional			
Paraprofessional Educator (36-38 cr)	Paraprofessional Educator AAS (64 cr)		
Educational Affairs			
	International Studies AA (60 cr)		Benedictine University
Elementary Education			
	Elementary Education AA (60 cr)		
Special Education			
	Special Education AA (60 cr)		
Teaching in Secondary Math			
	Teaching in Secondary Mathematics AAT (62 cr)		

	Certificates	Degrees	Dual Credit[DC] and Articulated Credit[AC] Courses	Four-Year Universities Transfer Programs
College of Lake County Programs	***Teaching in Special Education***			
		Teaching Special Education AAT (64 cr)		
	Human Services Program			
	Alcohol, Substance Abuse and Addictive Disorders (31 cr) Correctional Counseling (33-35 cr) General Human Services (31 cr) Trauma, Violence Prevention and Victim Services (30 cr)	Adult Services AAS (64 cr) Alcohol, Substance Abuse and Addictive Disorders AAS (68 cr) Children and Adolescents AAS (60 cr) Correctional Counseling AAS (60 cr) Trauma, Violence Prevention and Victim Services AAS (63 cr)		
	Administrative Office Systems			
	Administrative Assistant (30 cr) Administrative Leadership (12 cr) General Office (16 cr) Office Professional (12 cr)	Administrative Professional AAS (60-63 cr)	Computer Basics/Software Applications[AC] (3 cr)	DeVry University Southern Illinois University
	Criminal Justice			
	Criminal Justice (30 cr)	Criminal Justice AAS (60 cr) Criminal Justice AA (60 cr)	Introduction to Criminal Justice[DC AC] (3 cr) Introduction to Policing[DC AC] (3 cr)	North Park University
	Paralegal Studies			
	Paralegal Studies (21 cr)	Paralegal Studies AAS (63 cr)		Chancellor University Roosevelt University Southern Illinois University

Career Cluster: Finance

Careers

Abstractor	Accredit Analyst	Insurance Broker	Treasurer
Accountant	Debt Counselor	Internal Auditor	Trust Officer
Actuary	Economist	Loan Officer	Underwriter
Bill and Account Collector	Financial Planner	Non-Profit Manager	
Commodities Representative	Foreign Exchange Manager	Tax Examiner	
Controller	Fund Raiser	Title Researcher/Examiner	

High School Courses

9th Grade	10th Grade	11th Grade	12th Grade
Required Core Courses			
English 1	English 2	English 3	English
Algebra 1	Geometry	Geometry/Algebra 2	PE
Biology	Chemistry	Physics	
World Studies	US History	Government	
Health/PE	PE	PE	
		Introduction to Business	
Recommended Pathway Courses			
Computer Applications 1 & 2	Accounting 1	Business Law	Honors or AP Science
	Sports & Entertainment Marketing	Civil Law	Advanced Algebra, Honors Pre-Calculus, AP Calculus
	Business Incubator	Honors Accounting 2	
	Business Management	Probability & Statistics/AP Statistics	Psychology 1 & 2/AP Psychology
			Internship
Related Courses			
World Languages	World Languages	AP Microeconomics	Criminal Law
	Computer Science Principles	World Languages	World Languages
Lake County High Schools Technology Campus			
Available Certifications:	Not Applicable		

School Activities

Career Enhancement			
FBLA	National Honor Society	Model UN	After School Coalition
Economics Team	Student Leadership		

College & University Majors

College & University Majors			
Finance	Credit Management	Banking and Financial Support Services	
Insurance	Financial Mathematics	Financial Services Marketing Operations	
Public Finance	International Finance	Financial Planning and Services	
Taxation	Investments and Securities	Finance and Financial Management Services	

College of Lake County Programs

Certificates	Degrees	Dual Credit[DC] and Articulated Credit[AC] Courses	Four-Year Universities Transfer Programs
Accounting			
Accounting Clerk (23 cr) Professional Accounting (30 cr)	Accounting AAS (60-66 cr) Accounting AA (60 cr)	Accounting Procedures[AC] (3 cr)	DeVry University Northeastern Illinois University Southern Illinois University
Administrative Office Systems			
Administrative Assistant (30 cr) Administrative Leadership (12 cr) General Office (16 cr) Office Professional (12 cr)	Administrative Professional AAS (60-63 cr)	Computer Basics/Software Applications[AC] (3 cr)	DeVry University Southern Illinois University
Business Administration			
Entrepreneurship/Small Business Management (27-29 cr) Marketing (27 cr) Supervision (27 cr)	Business Administration AAS (60-63 cr) Entrepreneurship/Small Business Management AAS (60-63 cr) Management AAS (60-63 cr) Marketing AAS (60-63 cr) Sales AAS (60-63) Business Administration AA (60 cr)		Columbia College Chicago DeVry University National Louis University Southern Illinois University
Criminal Justice			
Criminal Justice (30 cr)	Criminal Justice AAS (60 cr) Criminal Justice AA (60 cr)	Introduction to Criminal Justice[DC AC] (3 cr) Introduction to Policing[DC AC] (3 cr)	North Park University
Paralegal Studies			
Paralegal Studies (21 cr)	Paralegal Studies AAS (63 cr)		Chancellor University Roosevelt University Southern Illinois University

Career Cluster: Government & Public Administration

Pathway: Governance, Revenue and Taxation, Planning, Public Management and Administration, Regulation

Careers

Ambassador	Cryptographer	Immigration Officer	National Security Advisor
Bank Examiner	Election Supervisor	Intelligence Analyst	Planner
City Manager	Elected Official	Internal Revenue Investigator	Policy Advisor
Combat Control Officer	Foreign Service Officer	Lobbyist	Tax Policy Analyst
Commissioner			

High School Courses

9th Grade	10th Grade	11th Grade	12th Grade
Required Core Courses			
English 1	English 2	English 3	English
Algebra 1	Geometry	Geometry/Algebra 2	PE
Biology	Science	Science	
World Studies	US History	Government	
Health/PE	PE	PE	
		Economics/AP Economics	
Recommended Pathway Courses			
Current World Issues	Criminal Law	Sociology	Science
Civil Law	America At War	Psychology 1 & 2/AP Psychology	Advanced Algebra, Honors Pre-Calculus, AP Calculus
Computer Applications 1 & 2	Business Management	Honors Accounting 2	
Business Law	Accounting 1		Internship
Intro to Business	AP Environmental Science		
Related Courses			
World Languages	World Languages	World Languages	World Languages
	Composition	Speech	
Lake County High Schools Technology Campus			
Available Certifications:	Not Applicable	Criminal Justice 1	Criminal Justice 2

School Activities

Career Enhancement		
Economics Team	National Honor Society	SkillsUSA
Mock Trial	FBLA	National Technical Honors Society
Student Leadership	After School Coalition	

College & University Majors

College & University Majors		
American Government and Politics	Political Science and Government	City/Urban, Community and Regional Planning
Education Policy Analysis	Public Administration	Non-Profit/Public/Organizational Management
Political Communication	Public Policy Analysis	Peace Studies and Conflict Resolution
Political Economy	Urban Studies/Affairs	

College of Lake County Programs

Certificates	Degrees	Dual Credit[DC] and Articulated Credit[AC] Courses	Four-Year Universities Transfer Programs
Accounting			
Accounting Clerk (23 cr)	Accounting AAS (60-66 cr)	Accounting Procedures[AC] (3 cr)	DeVry University
Professional Accounting (30 cr)	Accounting AA (60 cr)		Northeastern Illinois University
			Southern Illinois University
Administrative Office Systems			
Administrative Assistant (30 cr)	Administrative Professional AAS (60-63 cr)	Computer Basics/Software Applications[AC] (3 cr)	DeVry University
Administrative Leadership (12 cr)			Southern Illinois University
General Office (16 cr)			
Office Professional (12 cr)			
Business Administration			
Entrepreneurship/Small Business Management (27-29 cr)	Business Administration AAS (60-63 cr)		Columbia College Chicago
Marketing (27 cr)	Entrepreneurship/Small Business Management AAS (60-63 cr)		DeVry University
Supervision (27 cr)	Management AAS (60-63 cr)		National Louis University
	Marketing AAS (60-63 cr)		Southern Illinois University
	Sales AAS (60-63)		
	Business Administration AA (60 cr)		
Criminal Justice			
Criminal Justice (30 cr)	Criminal Justice AAS (60 cr)	Introduction to Criminal Justice[DC AC] (3 cr)	North Park University
	Criminal Justice AA (60 cr)	Introduction to Policing[DC AC] (3 cr)	
Paralegal Studies			
Paralegal Studies (21 cr)	Paralegal Studies AAS (63 cr)		Chancellor University
			Roosevelt University
			Southern Illinois University
Political Science			
	Political Science AA (60 cr)		

Career Cluster: Health Services

Careers	Athletic Trainer	Health Information Coder	Physician (MD/DO)	Speech/Language Pathologist
	Biochemist	Industrial Hygienist	Physician's Assistant	Toxicologist
	Biostatistician	Lab Technician	Psychologist	Veterinarian
	Dental Assistant/Hygienist	Nutritionist	Radiographer	Registered Nurse
	EMT/Paramedic	Occupational Therapist	Radiologist	
	Geneticist	Phlebotomist	Research Scientist	

	9th Grade	10th Grade	11th Grade	12th Grade
High School Courses	**Required Core Courses**			
	English 1	English 2	English 3	English
	Algebra 1	Geometry	Geometry/Algebra 2	PE
	Biology	Chemistry or Physics	Chemistry or Physics	
	World Studies	US History	Government	
	Health/PE	PE	PE	
			Economics/AP Economics	
	Recommended Pathway Courses			
	Computer Applications 1	Child Development	Composition	Honors Pre-Calculus, AP Calculus
	PLTW-IED	Speech	Analytical Chemistry	Probability and Statistics
		Computer Applications 2	Psychology 1 & 2	AP Statistics
		STEM Inquiry and Research	Sociology	Food & Nutrition
			Honors Anatomy & Physiology	Internship
			AP Biology	
			AP Chemistry	
			AP Psychology	
	Related Courses			
	Lake County High Schools Technology Campus			
	Available Certifications:	Incident Command System 100 700	Medical Assisting 1	Certified Nurse Assisting 1
		Incident Management System 700	Emergency Medical Services 1	Emergency Medical Services 2
		Emergency Medical Technician - B	Firefighting 1	Firefighting 2
		Certified Nursing Assistant		
		First Aid/CPR		

School Activities	**Career Enhancement**			
	Best Buddies	SkillsUSA	National Technical Honors Society	Robotics

College & University Majors	**College & University Majors**		
	Applied Psychology	Cognitive Psychology and Psycholinguistics	Nursing Administration
	Athletic Training	Community Health and Preventive Medicine	Nursing
	Audiology and Speech-Language Pathology	Oral Biology and Oral and Maxillofacial Pathology	Occupational Therapy
	Behavioral Aspects of Health	Oral/Maxillofacial Surgery	Optometry
	Bioethics/Medical Ethics	Foods, Nutrition, and Wellness Studies	Dentistry
	Biotechnology	Forensic Psychology	Dietetics
	Clinical Child Psychology	Genetic Counseling	Orthodontics
	Clinical Nutrition	Health and Medical Administrative Services	Pharmaceutical Sciences
	Clinical Psychology	Health and Wellness	Pharmacy
	Clinical Research	Hospital and Health Care Facilities Administration	Public Health
	Clinical/Medical Social Work	Human Nutrition	Speech-Language Pathology
	Psychology	Molecular Medicine	Veterinary Medicine
	Medicine		

	Certificates	Degrees	Dual Credit[DC] and Articulated Credit[AC] Courses	Four-Year Universities Transfer Programs
College of Lake County Programs	***Dental Hygiene***			
		Dental Hygiene AAS (79 cr)		Southern Illinois University
	Emergency Medical Technology			
	Emergency Medical Technician - Basic (7 cr)	Emergency Medical Technology AAS (62-66 cr)	Emergency Medical Technician - Basic[DC AC] (7 cr)	
	Emergency Medical Technician Paramedic (30-34 cr)			
	Fire Science Technology			
		Fire Science Technology AAS (60 cr)	Introduction to Fire Science[DC AC] (3 cr)	Southern Illinois University
			Fire Apparatus Engineer[AC] (3 cr)	
	Health and Wellness Promotion			
	Personal Training (25-29 cr)	Health and Wellness Promotion AAS (60-64 cr)		
	Wellness Coaching (17 cr)			

	Certificates	Degrees	Dual Credit[DC] and Articulated Credit[AC] Courses	Four-Year Universities Transfer Programs
College of Lake County Programs	***Health Information Technology***	Health Information Technology AAS (66-70 cr)		
	Medical Transcription (25-30 cr) Medical Billing Specialist (19-23 cr)			
	Massage Therapy			
	Massage Therapy (33 cr)			
	Medical Assisting	Medical Assisting AAS (60-64 cr)	Introduction to Medical Assisting[AC] (4 cr)	
	Medical Assisting (36-40 cr) Healthcare Office Assistant (7 cr)			
	Medical Imaging	Medical Imaging AAS (72 cr)		
	Magnetic Resonance Imaging (15 cr) Computed Tomography (16 cr)			
	Nanoscience Technology	Nanoscience Technology AAS (64-66 cr)		
	Nursing	Nursing AAS (64 cr)	Nurse Assisting[DC AC] (3 cr)	Alverno College DePaul University Elmhurst College Northern Illinois University Olivet Nazarene University Rockford College St. Xaviar University University of St. Francis
	Certified Nursing Assisting (7 cr)			
	Phlebotomy Technician			
	Phlebotomy Technician (6 cr)			
	Surgical Technology	Surgical Technology AAS (64-68 cr)		
	Surgical Technology (43-49 cr)			
	Biological Sciences	Pre-Veterinary Medicine AA (60 cr)		
	Social Sciences	Psychology AA (60 cr) Social Work AA (60 cr) Sociology AA (60 cr) Special Education AA (60 cr)		

Career Cluster: Hospitality and Tourism

Careers

Baker	Convention Services Manager	Facilities Manager	Sports Promoter
Bartender	Director of Operations - Lodging	Maître d'	Theme Park Manager
Casino Manager	Director of Tourism Development	Museum Director	Tour and Travel Guide
Caterer	Event Planner	Reservations Manager	Travel Agent
Concierge	Executive Chef	Restaurant Owner/Manager	Wine Steward

High School Courses

9th Grade	10th Grade	11th Grade	12th Grade
Required Core Courses			
English 1	English 2	English 3	English
Algebra 1	Geometry	Geometry/Algebra 2	PE
Biology	Science	Science	
World Studies	US History	Government	
Health/PE	PE	PE	
		Intro to Business	
Recommended Pathway Courses			
	Accounting 1	Honors Accounting 2	Advanced Algebra, Honors
		Psychology 1 & 2/AP Psychology	Pre-Calculus, AP Calculus
		Sociology	Probability and Statistics/AP Statistics
		Food & Nutrition	Internship
Related Courses			
Beginning TV	Web Design	Business Law	
TV Apprenticeship	Business Management	Journalism: Yearbook &	
World Languages	Business Incubator	Photojournalism	
Computer Applications 1 & 2	Creative Writing		
Lake County High Schools Technology Campus			
Available Certifications:	Serve Safe	Culinary Arts 1	Culinary Arts 2
	IL Dept. of Public Health Sanitation	Graphic/Web Design 1	Graphic/Web Design 2
	Adobe Dreamweaver, Flash, Illustrator and Photoshop	Photographic Design 1	Photographic Design 2

School Activities

Career Enhancement		
FBLA	Interact Club	National Technical Honors Society
Temas Latinos	Student Leadership	SkillsUSA

College & University Majors

College & University Majors		
Facilities Planning and Management	Hospitality Administration/Management	Culinary Arts
Natural Resource Recreation and Tourism	Hospitality and Recreation Marketing Operations	Outdoor Education
		Sports Studies

College of Lake County Programs

Certificates	Degrees	Dual Credit[DC] and Articulated Credit[AC] Courses	Four-Year Universities Transfer Programs
Hospitality and Culinary Management			
Baking and Pastry Assistant (17 cr)	Hospitality and Culinary Management AAS (64-66 cr)	Introduction to the Hospitality Industry[DC AC] (3 cr)	Lexington College
Hospitality Manager (35-37 cr)		Culinary Principles[DC AC] (5 cr)	
Hospitality Supervisor (18 cr)		ServSafe: Food Service Sanitation[DC AC] (1 cr)	
Professional Chef (33 cr)		Menu Marketing and Management[DC] (3 cr)	
Professional Cook (17 cr)			
Accounting			
Accounting Clerk (23 cr)	Accounting AAS (60-66 cr)	Accounting Procedures[AC] (3 cr)	DeVry University
Professional Accounting (30 cr)	Accounting AA (60 cr)		Northeastern Illinois University
			Southern Illinois University
Administrative Office Systems			
Administrative Assistant (30 cr)	Administrative Professional AAS (60-63 cr)	Computer Basics/Software Applications[AC] (3 cr)	DeVry University
Administrative Leadership (12 cr)			Southern Illinois University
General Office (16 cr)			
Office Professional (12 cr)			
Business Administration			
Entrepreneurship/Small Business Management (27-29 cr)	Business Administration AAS (60-63 cr)		Columbia College Chicago
Marketing (27 cr)	Entrepreneurship/Small Business Management AAS (60-63 cr)		DeVry University
Supervision (27 cr)	Management AAS (60-63 cr)		National Louis University
	Marketing AAS (60-63 cr)		Southern Illinois University
	Sales AAS (60-63)		
	Business Administration AA (60 cr)		
Digital Media and Design			
Multimedia Communications (36 cr)	Digital A/V Production and Editing AAS (63 cr)	Introduction to Digital Media[AC] (3 cr)	
Multimedia Presentations (14 cr)	Digital Media and Design AAS (66 cr)	Web Design and Development[AC] (3 cr)	
		Introduction to Photography I[AC] (3 cr)	
		Digital Photography I[AC] (3 cr)	

Career Cluster: Human Services

Careers	Buyer	Director of Childcare Facility	Market Researcher	Small Business Owner
	Certified Financial Planner	Emergency and Relief Worker	Massage Therapist	Social Worker
	Community Service Director	Esthetician	Personal Fitness Trainer	
	Consumer Advocate	Funeral Director	School Counselor/Psychologist	
	Cosmetologist	Licensed Professional Counselor		

	9th Grade	10th Grade	11th Grade	12th Grade
High School Courses	**Required Core Courses**			
	English 1 Algebra 1 Biology World Studies Health/PE	English 2 Geometry Science US History PE	English 3 Geometry/Algebra 2 Science Government PE Economics	English PE Science
	Recommended Pathway Courses			
	Computer Applications 1 & 2	Child Development Business Management	Anatomy and Physiology Sociology Psychology 1 & 2/AP Psychology Food & Nutrition Business Incubator	Advanced Algebra, Honors Pre-Calculus, AP Calculus Probability and Statistics/AP Statistics Internship
	Related Courses			
	Not Applicable			
	Lake County High Schools Technology Campus			
	Available Certifications:	IL Licensed Cosmetologist Serve Safe IL Dept. of Public Health Sanitation Certified Nursing Assistant Emergency Medical Technician - B Incident Command System 100 700 Incident Management System 700 First Aid/CPR	Medical Assisting 1 Criminal Justice 1 Emergency Medical Services 1 Early Childhood Education 1 Fire Fighting 1 Cosmetology 1 Culinary Arts 1	Certified Nurse Assisting 1 Criminal Justice 2 Emergency Medical Services 2 Early Childhood Education 2 Fire Fighting 2 Cosmetology 2 Culinary Arts 2

School Activities	**Career Enhancements**			
	Robotics Team	FBLA	National Technical Honors Society	Temas Latinos
	Math Team	Broadcasting Team	SkillsUSA	GSA

College & University Majors	**College & University Majors**			
	Applied and Professional Ethics	Consumer Economics	Divinity/Ministry	Religious Education
	Business Family and Consumer Sciences	Family and Community Services	Ethics	
	Child Development	Mental Health Counseling	Anthropology	Social Work
	Community Psychology	Philosophy	Social Sciences	Sociology

	Certificates	Degrees	Dual Credit[DC] and Articulated Credit[AC] Courses	Four-Year Universities Transfer Programs
College of Lake County Programs	***Human Services Program***			
	Alcohol, Substance Abuse and Addictive Disorders (31 cr) Correctional Counseling (33-35 cr) General Human Services (31 cr) Trauma, Violence Prevention and Victim Services (30 cr)	Adult Services AAS (64 cr) Alcohol, Substance Abuse and Addictive Disorders AAS (68 cr) Children and Adolescents AAS (60 cr) Correctional Counseling AAS (60 cr) Trauma, Violence Prevention and Victim Services AAS (63 cr)		
	Administrative Office Systems			
	Administrative Assistant (30 cr) Administrative Leadership (12 cr) General Office (16 cr) Office Professional (12 cr)	Administrative Professional AAS (60-63 cr)	Computer Basics/Software Applications[AC] (3 cr)	DeVry University Southern Illinois University

	Certificates	Degrees	Dual Credit[DC] and Articulated Credit[AC] Courses	Four-Year Universities Transfer Programs
College of Lake County Programs	***Business Administration***			
	Entrepreneurship/Small Business Management (27-29 cr) Marketing (27 cr) Supervision (27 cr)	Business Administration AAS (60-63 cr) Entrepreneurship/Small Business Management AAS (60-63 cr) Management AAS (60-63 cr) Marketing AAS (60-63 cr) Sales AAS (60-63) Business Administration AA (60 cr)		Columbia College Chicago DeVry University National Louis University Southern Illinois University
	Criminal Justice			
	Criminal Justice (30 cr)	Criminal Justice AAS (60 cr) Criminal Justice AA (60 cr)	Introduction to Criminal Justice[DC AC] (3 cr) Introduction to Policing[DC AC] (3 cr)	North Park University
	Paralegal Studies			
	Paralegal Studies (21 cr)	Paralegal Studies AAS (63 cr)		Roosevelt University Southern Illinois University
	Early Childhood Education			
	Administration and Leadership in ECE (30 cr) Early Childhood Education (33 cr) Home Based Childcare (24 cr) Infant-Toddler Specialist (18 cr) School-Aged Child Care (18 cr)	Early Childhood Education AAS (61-64 cr) Early Childhood Education AA (60 cr) Teaching Early Childhood Education AAT (63 cr)	Creative Activities[AC] (3 cr) Health, Safety and Nutrition[DC] (3 cr)	Kendall College
	Education Paraprofessional			
	Paraprofessional Educator (36-38 cr)	Paraprofessional Educator AAS (64 cr)		
	Elementary Education			
		Elementary Education AA (60 cr)		
	Special Education			
		Special Education AA (60 cr)		
	Teaching in Secondary Math			
		Teaching in Secondary Mathematics AAT (62 cr)		
	Teaching in Special Education			
		Teaching Special Education AAT (64 cr)		
	Emergency Medical Technology			
	Emergency Medical Technician - Basic (7 cr) Emergency Medical Technician Paramedic (30-34 cr)	Emergency Medical Technology AAS (62-66 cr)	Emergency Medical Technician - Basic[DC AC] (7 cr)	
	Fire Science Technology			
		Fire Science Technology AAS (60 cr)	Introduction to Fire Science[DC AC] (3 cr) Fire Apparatus Engineer[AC] (3 cr)	Southern Illinois University
	Health and Wellness Promotion			
	Personal Training (25-29 cr) Wellness Coaching (17 cr)	Health and Wellness Promotion AAS (60-64 cr)		
	Health Information Technology			
	Medical Transcription (25-30 cr) Medical Billing Specialist (19-23 cr)	Health Information Technology AAS (66-70 cr)		

	Certificates	Degrees	Dual Credit[DC] and Articulated Credit[AC] Courses	Four-Year Universities Transfer Programs
College of Lake County Programs	***Hospitality and Culinary Management*** Baking and Pastry Assistant (17 cr) Hospitality Manager (35-37 cr) Hospitality Supervisor (18 cr) Professional Chef (33 cr) Professional Cook (17 cr)	Hospitality and Culinary Management AAS (64-66 cr)	Introduction to the Hospitality Industry[DC AC] (3 cr) Culinary Principles[DC AC] (5 cr) ServSafe: Food Service Sanitation[DC AC] (1 cr) Menu Marketing and Management[DC] (3 cr)	Lexington College
	Massage Therapy Massage Therapy (33 cr)			
	Medical Assisting Medical Assisting (36-40 cr) Healthcare Office Assistant (7 cr)	Medical Assisting AAS (60-64 cr)	Introduction to Medical Assisting[AC] (4 cr)	
	Medical Imaging Magnetic Resonance Imaging (15 cr) Computed Tomography (16 cr)	Medical Imaging AAS (72 cr)		
	Nanoscience Technology	Nanoscience Technology AAS (64-66 cr)		
	Nursing Certified Nursing Assisting (7 cr)	Nursing AAS (64 cr)	Nurse Assisting[DC AC] (3 cr)	Alverno College DePaul University Elmhurst College Northern Illinois University Olivet Nazarene University Rockford College St. Xaviar University University of St. Francis
	Phlebotomy Technician Phlebotomy Technician (6 cr)			
	Surgical Technology Surgical Technology (43-49 cr)	Surgical Technology AAS (64-68 cr)		
	Social Sciences	Psychology AA (60 cr) Social Work AA (60 cr) Sociology AA (60 cr) Special Education AA (60 cr)		

Career Cluster: Information and Technology

Careers	Animator Database Administrator Data Systems Designer Game Developer	Information Technology Engineer Media Specialist Network Administrator Network Security Analyst	PC Support Specialist Programmer Software Applications Specialist Systems Administrator	User Support Specialist Virtual Reality Specialist Web Architect/Designer Telecommunications Network Technician

	9th Grade	10th Grade	11th Grade	12th Grade
High School Courses	**Required Core Courses**			
	English 1 Algebra 1 Biology World Studies Health/PE	English 2 Geometry Science US History PE	English 3 Geometry/Algebra 2 Science Government PE Intro to Business	English PE
	Recommended Pathway Courses			
	Computer Applications 1 & 2 Introduction to Art	Accounting 1 Technology Support Internship Journalism: News in the 21st Century STEM Inquiry and Research Digital Photo/Design 1	Technology Support Internship Digital Photo/Design Studio	Advanced Algebra, Honors Pre-Calculus, AP Calculus Technology Support Internship AP 2-D Design
	Related Courses			
		Business Incubator	Web Design	Business Management
	Lake County High Schools Technology Campus			
	Available Certifications:	Adobe Dreamweaver, Flash, Illustrator and Photoshop CompTIA A+ Essentials CompTIA A+ Practical Application	Game/C++ Programming 1 Computer Support Services 1 Graphic/Web Design 1	Game/C++ Programming 2 Computer Support Services 2 Graphic/Web Design 2
School Activities	**Career Enhancement**			
	Robotics Team	Temas Latinos	Broadcasting Team	SkillsUSA

College & University Majors	**College & University Majors**		
	Artificial Intelligence	Computer Science	Digital Arts
	Computer and Information Sciences	Computer Software and Media Applications	Game and Interactive Media Design
	Computer Engineering	Computer Software Engineering	Human Computer Interaction
	Computer Programming	Computer Systems Analysis	Information Science
		Computer Systems Networking and Telecommunications	Information Technology

	Certificates	Degrees	Dual Credit[DC] and Articulated Credit[AC] Courses	Four-Year Universities Transfer Programs
College of Lake County Programs	***Digital Media and Design***			
	Multimedia Communications (36 cr) Multimedia Presentations (14 cr)	Digital A/V Production and Editing AAS (63 cr) Digital Media and Design AAS (66 cr)	Introduction to Digital Media[AC] (3 cr) Web Design and Development[AC] (3 cr) Introduction to Photography I[AC] (3 cr) Digital Photography I[AC] (3 cr)	
	Electrical Engineering Technology			
	Desktop Support Technician (9 cr) Electrical/Electronics Maintenance (30-32 cr) Electronics Technology (35 cr)	Electrical Engineering Technology AAS (71 cr)	PC Hardware Fundamentals[AC] (3 cr) PC Peripherals and Troubleshooting[AC] (3 cr)	DeVry University Michigan Tech University Milwaukee School of Engineering Northern Illinois University Southern Illinois University

	Certificates	Degrees	Dual Credit[DC] and Articulated Credit[AC] Courses	Four-Year Universities Transfer Programs
College of Lake County Programs	***Electronic Information Technology***	Electronic Information Technology AAS (65 cr)	PC Hardware Fundamentals[AC] (3 cr) PC Peripherals and Troubleshooting[AC] (3 cr)	
	Fiber Optics Technician (7 cr) Linux System Administration (15-16 cr) Wireless Networking Security (14 cr)			
	Electronic Systems Technology	Electronic Systems Technology (60 cr)	PC Hardware Fundamentals[AC] (3 cr) PC Peripherals and Troubleshooting[AC] (3 cr)	Southern Illinois University
	Computer Information Technology	C+ Programmer AAS (61-65 cr) Computer Forensics AAS (62-66 cr) Game Development AAS (61-63 cr) Java Programmer AAS (60-64 cr) .NET Programmer AAS (60-67 cr) Network Administration and Security AAS (63-65 cr) Office Application Specialist AAS (60-64 cr) Web Programmer AAS (60-64 cr) Computer Information Technology AA (60 cr)	Introduction to Computers[DC] (3 cr) Operating Systems for A+ Certification[DC] (3 cr) 2D Game Development[DC] (3 cr) 3D Game Development[DC] (3 cr)	Franklin University Roosevelt University Southern Illinois University
	C++ Programming (16 cr) Computer Forensics Analyst (32-34 cr) Computer Forensics Technician (18 cr) Desktop Support Technician (9 cr) Game Development (28 cr) Java Programming (15 cr) .NET Programming (20 cr) Network Administration and Security (36 cr) Office Application Specialist (21 cr) Oracle Administrator Certified Associate (9 cr) Oracle Administrator Certified Professional (12 cr) Security Administration (25 cr) Web Programming (18 cr)			
	Administrative Office Systems	Administrative Professional AAS (60-63 cr)	Computer Basics/Software Applications[AC] (3 cr)	DeVry University Southern Illinois University
	Administrative Assistant (30 cr) Administrative Leadership (12 cr) General Office (16 cr) Office Professional (12 cr)			

Career Cluster: Arts, Audio/Video, Technology, and Communications
Pathway: Journalism and Broadcasting

Careers

Art Director	Design Director	Producer	Researcher
Audio-Video Operator	Editor	Publisher	Station Manager
Broadcast Technician	Journalist	Radio and Television Announcer	Writer
Control Room Technician	Light Director	Reporter	

High School Courses

9th Grade	10th Grade	11th Grade	12th Grade
Required Core Courses			
English 1	English 2	English 3	English
Algebra 1	Algebra 2	Geometry/Algebra 2	PE
Biology	Earth Science or Chemistry	Earth Science or Chemistry	
World Studies	US History	Government	
Health/PE	PE	PE	
		Economics	
Recommended Pathway Courses			
Beginning TV	Creative Writing	Advanced Creative Writing	Speech
Intro to Journalism	TV Apprenticeship	Technology Support Internship	Technology Support Internship
Computer Applications 1	Journalism: Yearbook &	Journalism: Yearbook &	Journalism: Yearbook &
Introduction to Art	Photojournalism	Photojournalism	Photojournalism
	Journalism: News in the 21st Century	Journalism: News in the 21st Century	Journalism: News in the 21st Century
	Speech	Speech	Film as Literature
	Film as Literature	Film as Literature	Internship
	Digital Photo/Design 1	Digital Photo/Design Studio	
Related Courses			
Introduction to Art	America at War		
Current World Issues	Criminal Law		
Civil Law			
Lake County High Schools Technology Campus			
Available Certificates	Not Applicable	Photographic Design 1	Photographic Design 2

School Activities

Career Enhancement			
Broadcasting Team	Thespian Society	SkillsUSA	Tech Theatre
Book Club	National Technical Honors Society		

College & University Majors

College & University Majors		
Broadcast Journalism	Journalism	Digital Communication and Media/Multimedia
Communication and Media Studies	Publishing	Professional, Technical, Business, and Scientific Writing
Communications	Writing	Speech Communication and Rhetoric
Creative Writing	Recording Arts	Technical and Scientific Communication
Photojournalism	Rhetoric and Composition	Radio and Television
Mass Communication/Media Studies	Sports Communication	Radio and Television Broadcasting
		Radio, Television, and Digital Communication

College of Lake County Programs

Certificates	Degrees	Dual Credit[DC] and Articulated Credit[AC] Courses	Four-Year Universities Transfer Programs
Digital Media and Design			
Multimedia Communications (36 cr)	Digital A/V Production and Editing AAS (63 cr)	Introduction to Digital Media[AC] (3 cr)	
Multimedia Presentations (14 cr)	Digital Media and Design AAS (66 cr)	Web Design and Development[AC] (3 cr)	
		Introduction to Photography I[AC] (3 cr)	
		Digtal Photography I[AC] (3 cr)	
Technical Communication			
Professional Technical Communication (18 cr)	Technical Communication AAS (60-64 cr)		
Technical Communication (30 cr)	Communication AA (60 cr)		
	English AA (60 cr)		

Career Cluster: Law, Public Safety, Corrections, and Security

Careers	Attorney	EMT	Loss Prevention Specialist	Probation/Parole Officer
	Bomb Technician	Federal Marshall	Paralegal	Public Information Officer
	Corrections Officer	Firefighter	Park Ranger	Security Director
	Court Reporter	Gaming Surveillance Specialist	Police and Patrol Officer	Youth Services Worker
	Criminal Investigator	Hazardous Materials Responder		

	9th Grade	10th Grade	11th Grade	12th Grade
High School Courses	**Required Core Courses**			
	English 1 Algebra 1 Biology World Studies Health/PE	English 2 Geometry Science US History PE	English 3 Geometry/Algebra 2 Science Government PE Intro to Business	English PE Science
	Recommended Pathway Courses			
	Computer Applications 1 & 2	Criminal Law Speech Journalism: News in the 21st Century	Sociology Psychology 1 & 2/AP Psychology Probability and Statistics/AP Statistics AP English Language	Advanced Algebra, Honors Pre-Calculus, AP Calculus Honors Anatomy & Physiology Internship
	Related Courses			
	Civil Law Business Law World Languages - Spanish	World Languages	World Languages	World Languages
	Lake County High Schools Technology Campus			
	Available Certifications:	Incident Command System 100 700 Incident Management System 700 Emergency Medical Technician - B First Aid/CPR	Criminal Justice 1 Fire Fighting 1 Emergency Medical Services 1	Criminal Justice 2 Fire Fighting 2 Emergency Medical Services 2

School Activities	**Career Enhancement**			
	Mock Trial Temas Latinos Economics Team	After School Coalition	SADD National Technical Honors Society	SkillsUSA

College & University Majors	**College & University Majors**		
	Corrections Criminal Justice Criminology	Cyber/Computer Forensics and Counterterrorism Energy, Environment, and Natural Resources Law Fire Science Fire Services Administration	Forensic Science and Technology Health Law Homeland Security Law

	Certificates	Degrees	Dual Credit[DC] and Articulated Credit[AC] Courses	Four-Year Universities Transfer Programs
College of Lake County Programs	***Criminal Justice***			
	Criminal Justice (30 cr)	Criminal Justice AAS (60 cr) Criminal Justice AA (60 cr)	Introduction to Criminal Justice[DC AC] (3 cr) Introduction to Policing[DC AC] (3 cr)	North Park University
	Paralegal Studies			
	Paralegal Studies (21 cr)	Paralegal Studies AAS (63 cr)		Chancellor University Roosevelt University Southern Illinois University
	Emergency Medical Technology			
	Emergency Medical Technician - Basic (7 cr) Emergency Medical Technician Paramedic (30-34 cr)	Emergency Medical Technology AAS (62-66 cr)	Emergency Medical Technician - Basic[DC AC] (7 cr)	
	Fire Science Technology			
		Fire Science Technology AAS (60 cr)	Introduction to Fire Science[DC AC] (3 cr)	Southern Illinois University
	Administrative Office Systems			
	Administrative Assistant (30 cr) Administrative Leadership (12 cr) General Office (16 cr) Office Professional (12 cr)	Administrative Professional AAS (60-63 cr)	Computer Basics/Software Applications[AC] (3 cr)	DeVry University Southern Illinois University
	Social Sciences			
		Psychology AA (60 cr) Social Work AA (60 cr) Sociology AA (60 cr) Special Education AA (60 cr)		

Career Cluster: Manufacturing

Careers

Assembler	Freight, Stock and Material Mover	Logistician	Safety Engineer
Boilermaker	Health and Safety Representative	Manufacturing Technician	SPC Coordinator
Design Engineer	Industrial Machinery Mechanic	Pattern and Model Maker	Tool and Die Maker
Environmental Engineer	Inspector	Production Manager	Traffic Manager
Foundry Worker	Labor Relations Manager	Quality Control Technician	Welder

High School Courses

9th Grade	10th Grade	11th Grade	12th Grade
Required Core Courses			
English 1 Algebra 1 Biology World Studies Health/PE	English 2 Geometry Science US History Driver's Ed/PE	English 3 Geometry/Algebra 2 Science Government PE Intro to Business	English PE
Recommended Pathway Courses			
Computer Applications 1 & 2 Industrial Technology		Psychology 1 & 2/AP Psychology	Advanced Algebra, Honors Pre-Calculus, AP Calculus Internship
Related Courses			
Civil Law PLTW-IED	Business Management Web Design STEM Inquiry and Research	Business Law Business Incubator	AP Physics AP Chemistry
Lake County High Schools Technology Campus			
Available Certifications:	Not Applicable	Welding 1	Welding 2

School Activities

Career Enhancement			
Robotics	Temas Latinos	FBLA	SkillsUSA
Math Team	Academic Team	Economics Team	National Technical Honors Society

College & University Majors

College & University Majors		
Apparel and Textiles	Laser and Optical Technology	Nuclear/Nuclear Power Technology
Computer Engineering Technology	Manufacturing Engineering	Occupational Safety and Health Technology
Engineering	Mechanical Engineering	Plastics and Polymer Engineering
Industrial Technology	Metallurgical Technology	Robotics Technology

College of Lake County Programs

Certificates	Degrees	Dual Credit[DC] and Articulated Credit[AC] Courses	Four-Year Universities Transfer Programs
Business Administration			
Entrepreneurship/Small Business Management (27-29 cr) Marketing (27 cr) Supervision (27 cr)	Business Administration AAS (60-63 cr) Entrepreneurship/Small Business Management AAS (60-63 cr) Management AAS (60-63 cr) Marketing AAS (60-63 cr) Sales AAS (60-63) Business Administration AA (60 cr)		Columbia College Chicago DeVry University National Louis University Southern Illinois University
Mechanical Engineering Technology			
Mechanical Engineering Technology Design - MET I Toolbox (9 cr) Mechanical Engineering Technology Design - MET II Nuts and Bolts (7 cr) Mechanical Engineering Technology Design - MET III Mechatronics (9 cr) Mechanical Engineering Technology Design - MET IV Design and Innovation (17-18 cr) Mechanical Service Technician I (17 cr) Mechanical Service Technician II (18 cr)	Mechanical Engineering Technology AAS (68-69 cr)		Northern Illinois University
Mechanical Engineering Technology			
Mechanical Engineering Technology Design - MET I Toolbox (9 cr) Mechanical Engineering Technology Design - MET II Nuts and Bolts (7 cr) Mechanical Engineering Technology Design - MET III Mechatronics (9 cr) Mechanical Engineering Technology Design - MET IV Design and Innovation (17-18 cr) Mechanical Service Technician I (17 cr) Mechanical Service Technician II (18 cr)	Mechanical Engineering Technology AAS (68-69 cr)		Northern Illinois University
Welding			
Gas Metal Arc Welding (18 cr) Gas Tungsten Arc Welding (24 cr) Shielded Metal Arc Welding (21 cr) Welding (41-42 cr)		General Welding[DC AC] (2 cr) Gas, Welding, Cutting and Brazing[DC AC] (3 cr) Shielded Metal Arc Welding[DC AC] (3 cr)	

Career Cluster: Marketing, Sales, and Service

Careers

Copywriter/Designer	Interactive Media Specialist	Public Relations Manager	Shipping/Receiving Clerk
E-Commerce Director	Inventory Manager/Analyst	Promotions Manager	Telemarketer
Entrepreneur	Logistics Manager	Retail Marketing Coordinator	Warehouse Manager
Field Marketing Representative	Merchandise Buyer	Sales Executive	Webmaster
Forecasting Manager	On-line Market Researcher		

High School Courses

9th Grade	10th Grade	11th Grade	12th Grade
Required Core Courses			
English 1 Algebra 1 Biology World Studies Health/PE	English 2 Geometry Science US History PE	English 3 Geometry/Algebra 2 Science Government PE Intro to Business	English PE
Recommended Pathway Courses			
Computer Applications 1 & 2	Accounting Journalism: Yearbook & Photojournalism Journalism: News in the 21st Century	Business Incubator Probability and Statistics/AP Statistics Journalism: Yearbook & Photojournalism Journalism: News in the 21st Century	Sports/Entertainment Marketing Advanced Algebra, Honors Pre-Calculus, AP Calculus Business Management Internship
Related Courses			
Intro to Journalism Introduction to Art	Creative Writing Digital Photo Design	Adv. Creative Writing Digital Photo Design Design Studio Web Design	
Lake County High Schools Technology Campus			
Available Certifications:	Adobe Dreamweaver, Flash, Illustrator and Photoshop	Graphic/Web Design 1 Photographic Design 1	Graphic Web Design 2 Photographic Design 2

School Activities

Career Enhancement			
FBLA	Mock Trial	Student Leadership	SkillsUSA
Temas Latinos	National Honor Society	National Technical Honors Society	Economics Team

College & University Majors

College & University Majors		
Advertising	General Merchandising, Sales, and Related Marketing Operations	Real Estate
International Marketing	Merchandising and Buying Operations	Retail Management
Marketing Research	Public Relations, Advertising, and Applied Communication	
Marketing	Sales, Distribution and Marketing Operations	

College of Lake County Programs

Certificates	Degrees	Dual Credit[DC] and Articulated Credit[AC] Courses	Four-Year Universities Transfer Programs
Accounting			
Accounting Clerk (23 cr) Professional Accounting (30 cr)	Accounting AAS (60-66 cr) Accounting AA (60 cr)	Accounting Procedures[AC] (3 cr)	DeVry University Northeastern Illinois University Southern Illinois University
Administrative Office Systems			
Administrative Assistant (30 cr) Administrative Leadership (12 cr) General Office (16 cr) Office Professional (12 cr)	Administrative Professional AAS (60-63 cr)	Computer Basics/Software Applications[AC] (3 cr)	DeVry University Southern Illinois University
Business Administration			
Entrepreneurship/Small Business Management (27-29 cr) Marketing (27 cr) Supervision (27 cr)	Business Administration AAS (60-63 cr) Entrepreneurship/Small Business Management AAS (60-63 cr) Management AAS (60-63 cr) Marketing AAS (60-63 cr) Sales AAS (60-63) Business Administration AA (60 cr)		Columbia College Chicago DeVry University National Louis University Southern Illinois University
Digital Media and Design			
Multimedia Communications (36 cr) Multimedia Presentations (14 cr)	Digital A/V Production and Editing AAS (63 cr) Digital Media and Design AAS (66 cr)	Introduction to Digital Media[AC] (3 cr) Web Design and Development[AC] (3 cr) Introduction to Photography I[AC] (3 cr) Digital Photography I[AC] (3 cr)	
Technical Communication			
Professional Technical Communication (18 cr) Technical Communication (30 cr)	Technical Communication AAS (60-64 cr) English AA (60 cr)		

Career Cluster: Government & Public Administration
Pathway: National Security

Careers	Agent/Specialist Airborne Warning/Control Specialist Combat Aircraft Pilot/Crew	Cryptographer Intelligence Analyst Combat Control Officer	National Security Advisor Officer/Specialist: Military, Space, Staff or Field Officer	Submarine Officer Surface Ship Warfare Officer Intelligence/Counter-Intelligence Officer

	9th Grade	10th Grade	11th Grade	12th Grade
High School Courses	**Required Core Courses**			
	English 1 Algebra 1 Biology World Studies Health/PE	English 2 Geometry Science US History PE	English 3 Geometry/Algebra 2 Science Government PE Economics / AP Economics	English PE
	Recommended Pathway Courses			
	Current World Issues Civil Law Computer Applications 1 & 2	Criminal Law America at War Journalism: Yearbook & Photojournalism Journalism: News in the 21st Century	Analytical Chemistry Sociology Psychology 1 & 2/AP Psychology AP Environmental Science	Advanced Algebra, Honors Pre-Calculus, AP Calculus Physics Internship
	Related Courses			
	World Languages	World Languages Speech	World Languages Composition	World Languages
	Lake County High Schools Technology Campus			
	Available Certifications:	Not Applicable	Criminal Justice 1	Criminal Justice 2

School Activities	**Career Enhancement**			
	Mock Trial Economics Team	After School Coalition	SkillsUSA National Technical Honors Society	Model UN

College & University Majors	**College & University Majors**		
	Air Force JROTC/ROTC	Engineering Acoustics	Crisis/Emergency/Disaster Management
	Army JROTC/ROTC	Homeland Security	Cyber/Electronic Operations and Warfare
	Navy/Marine Corps JROTC/ROTC	Military Studies	Military Applied Sciences
	National Security Policy Studies	Military Technologies	Military Operational Art and Science/Studies

	Certificates	Degrees	Dual Credit[DC] and Articulated Credit[AC] Courses	Four-Year Universities Transfer Programs
College of Lake County Programs	***Criminal Justice***			
	Criminal Justice (30 cr)	Criminal Justice AAS (60 cr) Criminal Justice AA (60 cr)	Introduction to Criminal Justice[DC AC] (3 cr) Introduction to Policing[DC AC] (3 cr)	North Park University
	Educational Affairs			
		International Studies AA (60 cr)		Benedictine University
	Emergency and Disaster Management			
	Emergency and Disaster Management (15 cr)			
	Paralegal Studies			
	Paralegal Studies (21 cr)	Paralegal Studies AAS (63 cr)		Chancellor University Roosevelt University Southern Illinois University
	Political Science			
		Political Science AA (60 cr)		
	Administrative Office Systems			
	Administrative Assistant (30 cr) Administrative Leadership (12 cr) General Office (16 cr) Office Professional (12 cr)	Administrative Professional AAS (60-63 cr)	Computer Basics/Software Applications[AC] (3 cr)	DeVry University Southern Illinois University

Career Cluster: Arts, Audio/Video, Technology, and Communications
Pathway: Performing Arts

Careers	Actor	Director and Coach	Music Instructor	Playwright
	Composer	Film/Video Editor	Musician	Scenic Designer
	Conductor	Lighting Designer	Performer	Sound Designer
	Costume Designer	Makeup Artist	Performing Arts Educator	Production Manager: Digital, Video, and Stage
	Dancer			

	9th Grade	10th Grade	11th Grade	12th Grade
High School Courses	**Required Core Courses**			
	English 1	English 2	English 3	English
	Algebra 1	Algebra 2	Geometry/Algebra 2	PE
	Biology	Earth Scienc or Chemistry	Earth Scienc or Chemistry	
	World Studies	US History	Government	
	Health/PE	PE	PE	
			Economics	
	Recommended Pathway Courses			
	Band Sequence	Beginning Guitar	Music Theory	AP English Literature
	Choir Sequence	Intermediate Guitar	Industrial Technology	Internship
	Theatre Sequence	Tech Theatre	Film as Literature	
		PLTW-IED	Speech	
	Related Courses			
	Introduction to Art	Clothing	Creative Writing	Digital Photo/Design Studio
		Digital Photo/Design 1	Advanced Creative Writing	
	Lake County High Schools Technology Campus			
	Available Certifications	Not Applicable	Not Applicable	

School Activities	**Career Enhancement**		
	Pasos Latinos	Marching Band	Show Choir - Sound, Lights, Sound FX
	Set Crew	Pit Band	Orchesis
	Thespian Society	Poetry Slam Team	Pep Band

College & University Majors	**College & University Majors**		
	Acting	Arts, Entertainment, and Media Management	Music
	Ballet	Cinematography and Film/Video Production	Musicology and Ethnomusicology
	Brass Instruments	Directing and Theatrical Production	Percussion Instruments
	Conducting	Music History, Literature, and Theory	Playwriting and Screenwriting
	Costume Design	Music Management and Merchandising	Stringed Instruments
	Dance	Music Pedagogy	Technical Theatre/Theatre Design
	Drama /Theatre Arts	Music Performance	Theatre/Theatre Arts Management
	Film/Cinema/Video Studies	Music Technology	Visual and Performing Arts
	Jazz/Jazz Studies	Music Theory and Composition	Voice and Opera
	Keyboard Instruments	Musical Theatre	Woodwind Instruments
	Music Management	Theatre Literature, History and Criticism	

	Certificates	Degrees	Dual Credit[DC] and Articulated Credit[AC] Courses	Four-Year Universities Transfer Programs
College of Lake County Programs	***Communication Arts***			
		Dance AA (61 cr) Music AA (60 cr) Music Education AFA (62-63 cr) Music Performance AFA (65-69 cr) Theatre Performance AA (60 cr) Theater Technical AA (60 cr)		Columbia College

Career Cluster: Science, Technology, Engineering & Mathematics
Pathway: Science and Mathematics

Careers	Analytical Chemist	Biologist/Zoologist	Geologist	Nuclear Chemist/Technician
	Anthropologist	Botanist	Geophysicist	Physicist
	Applied Mathematician	Chemist	Marine Scientist	Programmer
	Archeologist	Ecologist	Math/Science Teacher	Quality-Control Scientist
	Astronomer	Economist	Mathematician	Research Technician
	Astrophysicist	Environmental Scientist	Meteorologist	Scientist
	Atmospheric Scientist	Geneticist	Nanobiologist	Statistician

	9th Grade	10th Grade	11th Grade	12th Grade
High School Courses	**Required Core Courses**			
	English 1	English 2	English 3	English
	Algebra 1	Geometry	Geometry/Algebra 2	PE
	Biology	Chemistry	Physics	
	World Studies	US History	Government	
	Health/PE	PE	PE	
			Economics/AP Economics	
	Recommended Pathway Courses			
	Computer Apps 1 & 2	Nanotechnology and Research	Nanotechnology and Research	Advanced Algebra, Honors Pre-Calculus,
	PLTW - Introduction to Engineering and	STEM Inquiry and Research	STEM Inquiry and Research	AP Calculus
	Design	PLTW - Principles of Engineering	Independent STEM Inquiry & Research	AP Science
	Moble App Creation and Coding	TSI	PLTW-Computer Integrated Manufacturing	Technology Support Internship
			Honors Anatomy & Physiology	Internship
			AP Science.	
			Statistics/AP Statistics	
	Related Courses			
	Industrial Technology	Ceramics/Sculpture 1	Business Management	Food and Nutrition
	Introduction to Business		Ceramics/Sculpture 1, Metalsmithing 1	
	Introduction to Art			
	Lake County High Schools Technology Campus			
	Available Certifications:	Adobe Dreamweaver, Flash,	Photonics 1	Photonics 2
		Illustrator and Photoshop	Game/Programming 1	Game/Programming 2
		CompTIA A+ Essentials	Welding 1	Welding 2
		CompTIA A+ Practical Application	Building Trades 1	Building Trades 2
		CLC - Laser/Photonics/Optics	Computer Support Services 1	Computer Support Services 2

School Activities	**Career Enhancement**			
	Academic Team	Math Team	SkillsUSA	
	Robotics Team	Environmental Club	National Technical Honors Society	

College & University Majors	**College & University Majors**			
	Acoustics	Cellular and Molecular Biology	Informatics	Organic Chemistry
	Aerospace Engineering	Ceramic Sciences and Engineering	Inorganic Chemistry	Parasitology
	Agricultural Engineering	Chemical and Biomolecular Engineering	Laser and Optical Engineering	Pathology
	Analytical Chemistry	Chemical Engineering	Manufacturing Engineering	Petroleum Engineering
	Anatomy	Chemical Physics	Marine Biology	Pharmacology
	Animal Behavior and Ethology	Civil Engineering	Materials Chemistry	Pharmacology and Toxicology
	Animal Genetics	Cognitive Science	Materials Engineering	Physical and Biological Anthropology
	Animal Physiology	Computational Mathematics	Materials Science	Physical Chemistry
	Applied Economics	Computational Science	Mathematical Biology	Physical Sciences
	Applied Mathematics	Computer Hardware Engineering	Mathematical Statistics	Physics
	Applied Statistics	Materials Physics	Mathematics and Statistics	Physiology
	Aquatic Biology/Limnology	Conservation Biology	Mathematics	Planetary Astronomy and Science
	Architectural Engineering	Construction Engineering	Mechanical Engineering	Plant Molecular Biology
	Astronomy	Embryology	Robotics	Plant Pathology/Phytopathology
	Astrophysics	Ecology	Medical Anthropology	Plant Physiology
	Atmospheric Chemistry and Climatology	Econometrics	Medical Microbiology	Plasma and High-Temperature Physics
	Atmospheric Physics and Dynamics	Electrical Engineering	Metallurgical Engineering	Polymer Chemistry
	Atmospheric Sciences and Meteorology	Electromechanical Engineering	Meteorology	Polymer Engineering
	Atomic/Molecular Physics	Elementary Particle Physics	Microbiology and Immunology	Radiation Biology
	Behavioral Sciences	Engineering	Mining and Mineral Engineering	Reproductive Biology
	Biochemical Engineering	Environmental Biology	Molecular Biochemistry	Sociobiology
	Biochemistry	Environmental Chemistry	Molecular Biology	Statistics
	Biochemistry and Molecular Biology	Environmental Toxicology	Molecular Biophysics	Structural Biology
	Bioengineering	Environmental Engineering	Molecular Genetics	Structural Engineering
	Biological and Biomedical Sciences	Epidemiology	Molecular Pathogenesis	Survey Research and Methodology
	Biological Engineering	Evolutionary Biology	Molecular Pharmacology	Systematic Biology
	Biology	Forensic Chemistry	Molecular Physiology	Systems Engineering

College & University Majors

Biomathematics	Forest Engineering	Molecular Toxicology	Systems Science and Theory
Biomedical Sciences	Genetics	Nanotechnology	Telecommunications Engineering
Biometry/Biometrics	Genome Sciences	Natural Sciences	Textile Sciences and Engineering
Biophysics	Geochemistry and Petrology	Marine Engineering	Theoretical and Mathematical Physics
Biopsychology	Geological and Earth Sciences	Neurobiology and Anatomy	Theoretical Chemistry
Biostatistics	Geological/Geophysical Engineering	Neuroscience	Toxicology
Botany	Geophysics and Seismology	Nuclear Engineering	Translational Biology
Cardiovascular Science	Geotechnical Engineering	Nutrition Sciences	Transportation and Highway Engineering
Cell Biology and Anatomy	Human/Medical Genetics	Ocean Engineering	Virology
Cell Physiology	Hydrology and Water Resources Science	Oceanography	Vision Science / Physiological Optics
	Immunology	Oncology and Cancer Biology	Water Resources Engineering
	Industrial Engineering	Optics/Optical Sciences	Zoology

College of Lake County Programs

Certificates	Degrees	Dual Credit[DC] and Articulated Credit[AC] Courses	Four-Year Universities Transfer Programs
Architectural Technology			
Architectural Technology (34 cr)	Architectural Technology AAS (62-63 cr)		
CAD Drafting Technology			
3D Parametric (21 cr) Architectural (21 cr) AutoCAD (19 cr) Autodesk Inventor (9 cr) CAD Drafting Technology (31 cr) Civil (21-22 cr) Graphics, Animation ProEngineer (9 cr) SolidWorks (9 cr)	Architectural/Civil AAS (66-67 cr) Graphics, Animation Mechanical AAS (64 cr)		
Civil and Environmental Technology			
Surveying and Civil	Civil and Environmental Surveying/Geomatics AA (60 cr)		
Construction Management Technology			
Construction Management Technology (23-25 cr)	Construction Management Technology AAS (63-67 cr)	Carpentry I[AC] (3 cr) Carpentry II[AC] (3 cr)	Illinois State University Purdue University Calumet
Computer Information Technology			
C++ Programming (16 cr) Computer Forensics Analyst (32-34 cr) Computer Forensics Technician (18 cr) Desktop Support Technician (9 cr) Game Development (28 cr) Java Programming (15 cr) .NET Programming (20 cr) Network Administration and Office Application Specialist (21 cr) Oracle Administrator Oracle Administrator Security Administration (25 cr) Web Programming (18 cr)	C+ Programmer AAS (61-65 cr) Computer Forensics AAS (62-66 cr) Game Development AAS (61-63 cr) Java Programmer AAS (60-64 cr) .NET Programmer AAS (60-67 cr) Network Administration Office Application Web Programmer AAS (60-64 cr) Computer Information	Introduction to Computers[DC] (3 cr) Operating Systems for 2D Game Development[DC] (3 cr) 3D Game Development[DC] (3 cr)	Franklin University Roosevelt University Southern Illinois University
Electrical Engineering Technology			
Desktop Support Technician (9 cr) Electrical/Electronics Electronics Technology (35 cr)	Electrical Engineering	PC Hardware PC Peripherals and	DeVry University Michigan Tech University Milwaukee School of Engineering Northern Illinois University Southern Illinois University
Electronic Information Technology			
Fiber Optics Technician (7 cr) Linux System Wireless Networking	Electronic Information	PC Hardware PC Peripherals and	
Electronic Systems Technology			
	Electronic Systems	PC Hardware PC Peripherals and	Southern Illinois University
Laser/Photonics/Optics			
Applied Lasers (13 cr) Biophotonics (15 cr) Laser/Photonics/Optics (16 cr)			

College of Lake County Programs	Certificates	Degrees	Dual Credit[DC] and Articulated Credit[AC] Courses	Four-Year Universities Transfer Programs
	Mechanical Engineering Technology	Mechanical Engineering		Northern Illinois University
	Mechanical Engineering Technology Mechanical Engineering Technology Mechanical Engineering Technology Mechanical Engineering Technology Mechanical Service Technician I (17 cr) Mechanical Service Technician II (18 cr)			
	Welding		General Welding[DC AC] (2 cr) Gas, Welding, Cutting Shielded Metal	
	Gas Metal Arc Welding (18 cr) Gas Tungsten Arc Welding (24 cr) Shielded Metal Arc Welding (21 cr) Welding (41-42 cr)			
	Biological and Heath Sciences	Biological Sciences AS (60 cr) Chemistry AS (60 cr) Ecology AS (60 cr) Microbiology AS (60 cr)		
	Engineering, Math and Physical Science	Computer Science AS (60 cr) Earth Science AS (60 cr) Engineering AES (62-64 cr) Mathematics AS (60 cr) Physics AS (60 cr) Surveying/Geomatics AS (60 cr) Teaching in Secondary		
	Social Science	Anthropology AA (60 cr) Economics AA (60 cr)		

Career Cluster: Transportation, Distribution and Logistics

Careers	Airplane Pilot/Co-Pilot	Environmental Manager	Locomotive Engineer	Transportation Manager
	Air Traffic Controller	Facility Engineer	Marine Captain	Truck Driver
	Avionics Technician	Industrial Equipment Mechanic	Port Manager	Urban and Regional Planner
	Cargo and Freight Agent	Industrial and Packaging Engineer	Safety Analyst	Warehouse Manager
	Customs Inspector	International Logistics Specialist	Storage and Distribution Manager	

	9th Grade	10th Grade	11th Grade	12th Grade
High School Courses	**Required Core Courses**			
	English 1 Algebra 1 Biology World Studies Health/PE	English 2 Geometry Science US History PE	English 3 Geometry/Algebra 2 Science Government PE Economics	English PE
	Recommended Pathway Courses			
	Computer Applications 1 & 2 Intoduction to Business	Business Law	Accounting	Advanced Algebra, Honors Pre-Calculus, AP Calculus Probability and Statistics/AP Statistics AP Science Internship
	Related Courses			
	Industrial Technology PLTW-IED	Business Management Web Design Business Incubator STEM Inquiry and Research		Honors Accounting
	Lake County High School Technology Campus			
	Available Certifications:	SP2 General Service Tech./NATEF ASE Hours	Auto Collision Repair 1 Auto Service 1	Auto Collision Repair 2 Auto Service 2

School Activities	**Career Enhancement**			
	Math Team	Academic Team	Economics Team	SkillsUSA
	Robotics	Temas Latinos	National Honor Society	National Technical Honors Society
	FBLA			

College & University Majors	**College & University Majors**		
	Aeronautical/Aerospace Engineering	Flight Instructor	Aviation/Airway Management and Operations
	Aeronautics/Aviation/Aerospace Science	Professional Pilot	Marine Science/Merchant Marine Officer
	Air Traffic Controller	Marine Transportation	Transportation/Mobility Management
	Automotive Engineering Technology		

	Certificates	Degrees	Dual Credit[DC] and Articulated Credit[AC] Courses	Four-Year Universities Transfer Programs
College of Lake County Programs	***Automotive Collision Repair***	Automotive Collision Repair AAS (65 cr)		
	Auto Collision Repair (13 cr)		Non Structural Repair I[DC AC] (5 cr)	
	Auto Damage Analysis (14 cr)		Non Structural Repair II[DC AC] (5 cr)	
	Automotive Refinishing Technician (16 cr)		Automotive Refinishing I[DC AC] (3 cr)	
	Automotive Structural Repair Technician (21 cr)		Automotive Refinishing II[DC AC] (5 cr)	
			Automotive Detailing[DC AC] (3 cr)	
	Automotive Technology	Under Hood Technician AAS (67 cr) Under the Car Technician AAS (61 cr)	Applied Mechanics[AC] (4 cr) Braking Systems[AC] (5 cr) Suspension and Alignment[AC] (5 cr)	Ferris State University Minnesota State University Southern Illinois University
	Under Hood Technician (50 cr)			
	Transmission Technician (35 cr)			
	Under the Car Technician (30 cr)			
	Automotive Air Conditioning and Heating Specialist (14 cr)			
	Automotive Electrical Specialist (14 cr)			
	Automotive Fuel Systems Specialist (14 cr)			
	Automotive Service Specialist (14 cr)			
	Automotive Brakes and Suspension Specialist (14 cr)			

	Automotive Oil Change Specialist (14 cr) Automotive Transmission Specialist (14 cr)			
College of Lake County Programs	**Certificates**	**Degrees**	**Dual Credit[DC] and Articulated Credit[AC] Courses**	**Four-Year Universities Transfer Programs**
	Administrative Office Systems	Administrative Professional AAS (60-63 cr)	Computer Basics/Software Applications[AC] (3 cr)	DeVry University Southern Illinois University
	Administrative Assistant (30 cr) Administrative Leadership (12 cr) General Office (16 cr) Office Professional (12 cr)			
	Business Administration	Business Administration AAS (60-63 cr) Entrepreneurship/Small Business Management AAS (60-63 cr) Management AAS (60-63 cr) Marketing AAS (60-63 cr) Sales AAS (60-63 cr) Business Administration AA (60 cr)		Columbia College Chicago DeVry University National Louis University Southern Illinois University
	Entrepreneurship/Small Business Management (27-29 cr) Marketing (27 cr) Supervision (27 cr)			

Career Cluster: Arts, Audio/Video, Technology, and Communications
Pathway: Visual Art

Careers	Art Director Artist Commercial Artist	Computer Animator Curator and Gallery Manager Commercial/Residential and Home Furnishing Coordinator	Fashion Designer Fashion Illustrator Graphic Designer Commercial Photographer: Digital, Still, Video, Film	Illustrator Interior Designer Textile Designer

	9th Grade	10th Grade	11th Grade	12th Grade
High School Courses	**Required Core Courses**			
	English 1 Algebra 1 Biology World Studies Health/PE	English 2 Geometry Science US History PE	English 3 Geometry/Algebra 2 Science Government PE Economics	English PE
	Recommended Pathway Courses			
	Introduction to Art Intro to Business Clothing	Digital Photo/Design 1 Studio Art Film as Literature Journalism: Yearbook & Photojournalism	Web Design Business Incubator AP Studio Art	AP Studio Art Internship
	Related Courses			
	Computer Applications 1	Computer Applications 2	Clothing	
	Lake County High Schools Technology Campus			
	Available Certifications:	Adobe Dreamweaver, Flash, Illustrator and Photoshop	Graphic Web Design 1	Graphic Web Design 2

School Activities	**Career Enhancement**		
	Visual Art Club	Skills USA	National Technical Honors Society

College & University Majors	**College & University Majors**		
	Applied Art	Commercial and Advertising Art	Industrial and Product Design
	Craft Artists	Commercial Photography	Interior Design
	Design and Applied Arts	Graphic Design	Photographic and Film/Video Technology
	Fashion/Apparel Design	Illustration	Visual and Performing Arts

	Certificates	Degrees	Dual Credit[DC] and Articulated Credit[AC] Courses	Four-Year Universities Transfer Programs
College of Lake County Programs	***Digital Media and Design***			
	Multimedia Communications (36 cr) Multimedia Presentations (14 cr)	Digital A/V Production and Editing AAS (63 cr) Digital Media and Design AAS (66 cr)	Introduction to Digital Media[AC] (3 cr) Web Design and Development[AC] (3 cr) Introduction to Photography I[AC] (3 cr) Digital Photography I[AC] (3 cr)	
	Administrative Office Systems			
	Administrative Assistant (30 cr) Administrative Leadership (12 cr) General Office (16 cr) Office Professional (12 cr)	Administrative Professional AAS (60-63 cr)	Computer Basics/Software Applications[AC] (3 cr)	DeVry University Southern Illinois University
	Communication Arts			
		Art AA (60 cr)		

SPECIALIZED COURSES

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

ACADEMIC LITERACY Prerequisite: Department recommendation Open to: Grades 9-10 Length: 1 semesters (may take up to 2 semesters) Credits: 0.5 (may earn up to 1.0 credits) Course Number: SP1430	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 SUPPORT Prerequisite: Department recommendation Open to: Grades 9-10 Length: 2 semesters Credits: 1.0 pass/fail elective credit Course Number: SP1000, SP2000	Students will improve their mathematical solving skills and their literacy skills of reading, writing, speaking and listening. Reading, math and executive functioning strategies will be addressed. Students will receive individualized instruction and be placed in flexible groups that are structured to meet their individual needs. Skill and strategy instruction will foster independence in both mathematical and literacy learning that is transferable to content area classes.

AVID ELECTIVE Prerequisite: Selection into Advancement Via Individual Determination program Open to: Grades 9-12 Length: 2 semesters Credits: 1.0 Course Number: SP1200, SP2200, SP3400, SP4400	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.

GRADPOINT Prerequisite: Referral by Counselor Open to: Grade: 12 Length: 1 semester (may be repeated) Credits: 0.5 Course Number: SP1300	GradPoint is an individualized, computer interaction program that enables students to recover credits lost due to previous failures and/or transitions from other schools. Core content courses and several electives are offered through the GradPoint experience. Courses are organized around a series of modules covering specific concepts and/or skills; students must show proficiency in one module before they can proceed to the next module. Students are generally scheduled into one period of GradPoint during any given term, but may be enrolled in more by approval of the administration.

STRATEGIC READING Prerequisite: Case Manager recommendation Open To: Grade 9 Length: 2 semesters Credits: 1.0 pass/fail elective credit Course Number: SP0500	Students will improve their literacy skills of reading, writing, speaking and listening. Vocabulary, fluency and reading strategies will be addressed. Students will receive individualized instruction and be placed in flexible groups that are structured to specific reading needs. Skill and strategy instruction will foster independence in literacy learning that is transferable to content area classrooms.

STRATEGIES FOR LEARNING Prerequisite: Case Manager recommendation Open To: Grades 9-10 Length: 1 semester (may take up to 2 semesters) Credits: 0.5 (may earn up to 1.0 credits) Course Number: SP5000	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.

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

Course Number: SP5050	evaluate their goals weekly. In addition, students will learn organizational skills, study strategies, and will work to develop self-advocacy skills by communicating with teachers about academic progress.

ESL ACADEMIC SUPPORT Prerequisite: Department recommendation Open To: Grades 9-10 Length: 1 semester (may take up to 2 semesters) Credits: 0.5 (may earn up to 1.0 credits) Course Number: SP1500, SP2500	Students will improve their literacy skills of reading, writing, speaking and listening. Academic vocabulary and fluency will be addressed. Students will receive individualized instruction and be placed in flexible groups that are structured to meet their individual needs. Skill and strategy instruction will foster independence in literacy learning that is transferable to content-area classes. .

ESL CULTURAL LITERACY Prerequisite: ESL/Bilingual Department recommendation Open to: Grades: 9-12 Length: 1 semester Credits: 0.5 Course Number: SP1600	Cultural Literacy offers newcomer English Language Learners an opportunity to be introduced to the historical, political, and cultural roots of the United States while developing important skills that will serve them well beyond the classroom. Students will build knowledge of the values and norms of United States culture and the makeup and functioning of key institutions. This course will help students develop their reading, writing, research, and analysis skills. This course will also help students acclimate to life in the United States and prepare them for success in US History and Government courses.

STUDENT INTERNSHIP Prerequisite: Pre-placement interview required for admittance Open to: Grade: 12 Length: 1 semester (may be repeated) Credits: 1.0 Course Number: SP4100	Student internships are opportunities for students to learn about a particular industry or career by being placed at an approved internship site. Student internship activities may include special projects, job shadowing or mentoring, along with a weekly journal and career-focused research. Students earn academic credit for successful completion of the internship. Meets during 7th and 8th hour, for one semester. Transportation is available through application process, and will be based on need. Student selection does not guarantee placement/admittance. Students must submit a teacher recommendation at the time of the interview. All students must wear the Mustang polo shirt; which will be provided by the school, when at an internship site.

PEER TUTORING Prerequisite: None Open to: Grade: 9-12 Length: 1 semester (may be repeated) Credits: 0.5 Course Number: SP3200	Peer tutoring is an option for students who would like to provide tutoring services to students in our academic resource centers (Literacy Center, Math Lab, Study Cafe, and Hub) and classrooms during the school day. Students will receive training on communication, leadership, and tutoring strategies. In order to qualify to be a peer tutor, students will need to submit an application, complete an interview, and attend trainings throughout the semester. Students may receive service hours for the days they are tutoring, this may vary depending on class/subject. Field trips may include: visits to other types of schools for observations and analysis, shadowing a teacher in a specific subject, and college visits to learn more about careers in education.

STUDENT AMBASSADOR Prerequisite: None Open to: Grade 12 Length: 1 semester Credits: 0.25 Course Number: SP3100	Student Ambassadors are responsible for assisting various school offices with general tasks, which may include delivering passes, escorting visitors, and giving building tours. Students must be polite, respectful, have a professional work ethic, neat appearance at all times, and a history of good attendance This class is graded on a pass/fail basis and will not count toward GPA

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

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

English 121: English Composition I (3 credit hours)

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

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

Additional cost: Any required materials requested by professor

(These are Spring 2017 course fees. Fees may change by next school year.)

DUAL CREDIT

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

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

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

When:

Monday/Wednesday/Friday
9:00am to 9:50am
This is the course time for Spring 2018. (2018-2019 CLC course guide is not currently available)
Course times may vary.

College Lake County™
Connect to Your Future

ENGLISH

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

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

ENGLISH 1 Prerequisite: Department recommendation Open to: Grade 9 Length: 2 semesters Credits: 1.0 Course Number: EN1100, EN1030, EN1200	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.

HONORS ENGLISH 1 Prerequisite: Department recommendation Open to: Grade 9 Length: 2 semesters Credits: 1.0 Course Number: EN1900	Honors English 1 students complete work with rigor that encourages further depth of learning. Students will use an inquiry-based approach to interact with a wide range of thematic units. Building from a variety of fiction and non-fiction texts, students will further develop critical thinking while reading, writing, speaking/listening, and researching unit topics. Writing will be emphasized in narrative, expository, and argumentative works. Research will focus on gathering and assessing relevant information from multiple authoritative print and digital sources.

ENGLISH 2 Prerequisite: English 1 Open to: Grade 10 Length: 2 semesters Credits: 1.0 Course Number: EN2100, EN2030, EN2200	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 or Honors English 1 Open to: Grade 10 Length: 2 semesters Credits: 1.0 Course Number: EN2900	Honors English 2 students complete work with rigor that encourages further depth of learning. Students will use an inquiry-based approach to interact with a wide range of thematic units. Building from a variety of fiction and non-fiction texts, students will further develop critical thinking while reading, writing, speaking/listening, and researching unit topics. Writing will be emphasized in narrative, expository, and argumentative works. Research will focus on synthesizing relevant sources to answer research questions.

ENGLISH 3 Prerequisite: English 2 Open to: Grade 11 Length: 2 semesters Credits: 1.0 Course Number: EN3100, EN3030, EN3200	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 Course Number: EN3900	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.

ENGLISH 4 Prerequisite: English 3 and Department/Case Manager recommendation Open to: Grade 12 Length: 2 semesters Credits: 1.0 Course Number: EN4030	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.

HONORS ENGLISH 4 Prerequisite: English 3 or Honors English 3 Open to: Grade 12 Length: 2 semesters Credits: 1.0 Course Number: EN4900	Honors English 4 students complete work with rigor that encourages further depth of learning. Students will explore how authors create effective arguments and craft meaning for their readers through the study of various fiction and nonfiction texts. Students will write narrative, expository, and argumentative pieces with a primary focus on argumentation and synthesis of ideas.

AP ENGLISH LANGUAGE AND COMPOSITION Prerequisite: English 2 or Honors English 2 Open to: Grades 11-12 Length: 2 semesters Credits: 1.0 Course Number: EN5000	AP English Language and Composition is designed for students who are ready to explore how authors' create effective arguments and introduce new perspectives to others. This involves the study of mostly nonfiction articles, essays, speeches, and other arguments that play a central role in society. Rhetorical analysis, synthesis of ideas, and argumentation are emphasized in this college-level course. *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 or Honors English 3 Open to: Grade 12 Length: 2 semesters Credits: 1.0 Course Number: EN5100	AP English Literature and Composition is designed as a college level class for students wishing to explore how the author's craft creates meaning for the reader. This involves the study of novels, poems, short stories, and other literature. Extensive written analysis and sophisticated understanding of the readings are required. *It is highly recommended that all students in an Advanced Placement course take the Advanced Placement Exam offered each May by the College Board.*

COMPOSITION Prerequisite: None Open to: Grades 11- 12 Length: 1 semester Credits: 0.5 Course Number: EN6200	Composition involves the study of writing for a variety of college and career opportunities. Students examine how an understanding of audience and purpose in writing creates authentic communication. Students will write several papers in various genres throughout the term to develop their writing skills. This course meets ½ of the senior year English requirement when taken during senior year.

LATINO LITERATURE Prerequisite: None Open to: Grades 10- 12 Length: 1 semester Credits: 0.5 Course Number: EN7600	Latino Literature involves the study of the messages and methods of Latino authors from the Americas. This course explores the essential questions: "What are the similarities between various authors of Latin American descent?" and "How does studying Latin American literature give us a different perspective on American values and/or literature?" Building from a variety of fiction and non-fiction texts, students will further develop critical thinking through reading, writing, speaking/listening, and researching unit topics. This course meets ½ of the senior year English requirement when taken during senior year. This course is taught in English.

SCIENCE FICTION AND FANTASY Prerequisite: None Open to: Grades 9- 12 Length: 1 semester Credits: 0.5 Course Number: EN6500	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 Course Number: EN6300	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	Mythology involves the study of the messages and methods of myths in human societies. This course explores the essential questions: "Is the study of mythology necessary as a modern individual?" and "Do modern myths, tales, and legends accomplish the same purpose as ancient myths,

Credits: 0.5 Course Number: EN6800	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 10- 12 Length: 1 semester Credits: 0.5 Course Number: EN6900	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 Course Number: EN6600	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 Course Number: EN7300	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 is a two-semester class. Those who have accepted an editor position should plan on taking the course for the entire year. This course does not fulfill an English requirement towards graduation.

JOURNALISM:YEARBOOK/ PHOTOJOURNALISM	Learn how to capture the significant moments of the MHS school year that your friends and family will treasure for the

Prerequisite: None Open to: Grades 9- 12 Length: 2 semesters Credits: 1.0 Course Number: EN7400	rest of their lives while producing the yearbook *The Obelisk.* This class will teach you the basics of photojournalism, journalism, graphic design, and marketing. Yearbook/Photojournalism will prepare you for careers in journalism, communications, photography, graphic design, public relations and marketing. This is a two-semester class. Those who have accepted an editor position should plan on taking the course for the entire year. This course does not fulfill an English requirement toward graduation.

EMERGING ESL Prerequisite: ACCESS/WAPT Placement and Department recommendation Open to: Grades 9- 12 Length: 2 semesters Credits: 1.0 Course Number: EN2500	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 Course Number: EN3500	English language learners will process, understand, produce or use: - general and specific language of the content areas - 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 Course Number: EN4500	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.

FLOW CHART OF ESL/BILINGUAL COURSE OFFERINGS

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

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

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

ART

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

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

ART 2-D Prerequisite: None Open to: Grades 9-12 Length: 1 semester Credits: 0.5 Course Number: AR1025	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, clay, sculpture, industrial design and metal design.

ART 3-D Prerequisite: None Open to: Grades 9-12 Length: 1 semester Credits: 0.5 Course Number: AR1050	Art 3-D students will explore and learn the basic concepts in 3-Dimensional art. Students will employ the elements and principles of art and design through a sequential arrangement of lessons. Students will use a variety of media techniques and processes in drawing, painting, graphic design, clay, sculpture, industrial design and metal design.

DRAWING/PAINTING 1 Prerequisite: Introduction to Art Open to: Grades 9-12 Length: 1 semester Credits: 0.5 Course Number: AR1200	This course follows a sequential arrangement of units that encourages students to improve in their observational drawing skills, stylized mark-making, and value and color theory. The drawing units provide a solid structure for learning to manipulate various painting media such as acrylics and watercolors. Each unit focuses on applicable elements and principles along with specific unit related vocabulary. Students are encouraged to search for individual approaches to techniques and applications and develop their artistic voice.

DIGITAL PHOTO/DESIGN 1 Prerequisite: None Open to: Grades 9-12 Length: 1 semester Credits: 0.5 Course Number: AR1300	In Digital Photo/Design 1, students will be introduced to black and white, and color photography. Students will explore personal imagery and digital imaging 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, and other related processes.

HONORS DRAWING/PAINTING STUDIO Prerequisite: Drawing/Painting 1 Open to: Grades 10-12 Length: 2 semesters Credits: 1.0 Course Number: AR2200	This course encourages students to approach different subject matters and 2D techniques in a way that builds their artistic voice. Students will employ the elements and principles of art and design through sequential units focused on strengthening concepts and ideas. Students will explore composition, mark-making, painting techniques, and multi-media application.

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** Course Number: AR2300	In Digital Photo/Design Studio, students will continue to explore Photoshop and personal imagery 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. Students will explore composition, illustration, graphic design, typography, 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** Course Number: AR2100	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 employ the elements and principles of art and design through a sequential arrangement of lessons.

METALS/JEWELRY STUDIO Prerequisite: Art 2D and/or Art 3D Open to: Grades 10-12 Length: 2 semesters Credits: 1.0 **May be repeated for HONORS CREDIT** Course Number: AR2400	In this course students will continue to develop their skills in 3-Dimentional metal sculpting and jewelry fabrication. Students are encouraged to find unique approaches to techniques and develop a stronger understanding of their artistic voice through the use of the elements and principles of art and design. Students will also be exposed to advanced methods of working with a variety of metals and encouraged to think of multi-media applications.

INDUSTRIAL DESIGN Prerequisite: Art 2-D and/or Art 3-D Open to: Grades 10-12 Length: 2 semesters Credits: 1.0 Course Number: AR2500	Industrial Design covers topics such as: the design of products for mass production to meet the needs of people and their environment; an awareness of the market demand for design; experience in the problem solving process; methods and materials of production; creation of designs that are in visual harmony with their environment and that are satisfying to the consumer; responsiveness to the changes in technology and cultural patterns.

AP STUDIO ART Prerequisite: Any Studio Level Art Class Open to: Grades 11-12 Length: 2 semesters Credits: 1.0 Course Number: AR5200	In AP Studio Art, students will use techniques and skills developed in the Studio course (**Drawing/Painting, Metals/Jewelry, Digital Photo,** and **Ceramics/Sculpture**) to create a body of work for the Concentration portion of their AP Portfolio. Students will work independently and develop a cohesive college-level series of work that portrays a major idea or concept while expressing technical ability. *It is highly recommended that all students in an Advanced Placement course take the Advanced Placement Exam offered each May by the College Board.*

BUSINESS EDUCATION

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

COMPUTER APPLICATIONS 1 Prerequisite: None Open to: Grades 9-12 Length: 1 semester Credits: 0.5 Course Number: BU1200	In Computer Applications, students will improve computer literacy by learning software that will help with school work and beyond. It will include formal instruction in Microsoft Office, which includes Microsoft Word, Excel, PowerPoint, and Publisher. Students will also apply what they learn in Microsoft Office to Google applications such as docs, spreadsheets, and presentations. Keyboarding practice is also included in coursework.

MOBILE APP CREATION AND CODING Prerequisite: None Open to: Grades 9-12 Length: 1 semester Credits: 0.5 Course Number: CS1600	In Mobile App Creation and Coding, students will learn the language and process for designing and creating their own mobile applications. It is a blend of creative problem-solving, and computer science.

AP COMPUTER SCIENCE PRINCIPLES Prerequisite: A or B in Algebra 2 and Visual BASIC Programming	AP Computer Science Principles introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact their world. Students will learn how digital information is

Open to: Grades 10-12 Length: 2 semesters Credits: 1.0 Course Number: CS5000	represented as single bits and how it travels from one place to another. Students will investigate cryptography, the structure and function of the internet, and internet safety. This course will introduce students to the world of programming by using data and algorithms to build web apps.

AP COMPUTER SCIENCE A Prerequisite: AP Computer Science Principles recommended and/or Mobile App Creation and Coding Open to: Grades 10-12 Length: 2 semesters Credits: 1.0 Course Number: BU5000	In AP Computer Science A, students will learn Java, which is required learning for some engineering and computer science majors at the college level. 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/INTRO. TO BUSINESS Prerequisite: None Open to: Grades 9-12 Length: 1 semester Credits: 0.5 Course Number: BU1000	In Personal Finance/Intro. to Business, students will learn about consumer skills, money management, banking, credit, risk management, insurance, and investing. They will also learn how interactions between consumers, businesses, and government impact our global economy. Further, they will operate a business using a computer simulation. This class satisfies the state requirement for Consumer Education.

BUSINESS LAW Prerequisite: None Open to: Grades 9-12 Length: 1 semester Credits: 0.5 Course Number: BU1100	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 Course Number: BU3200	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.

SPORTS & ENTERTAINMENT MARKETING Prerequisite: None Open to: Grades 10-12 Length: 1 semester Credits: 0.5 Course Number: BU2300	In Sports & Entertainment Marketing, students will learn about the fastest growing segment of business in our economy today. Sports and Entertainment marketing will give you a basic understanding of the behind-the-scenes skills and techniques used in these highly lucrative fields.

ACCOUNTING 1 Prerequisite: None Open to: Grades 10-12 Length: 2 semesters Credits: 1.0 *Articulated Credit with CLC Course Number: BU2000	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.

TECHNOLOGY SUPPORT INTERNSHIP (TSI) Prerequisite: Application and Department approval Open to: Grades: 10-12 Length: 1 semester Credits: 0.5 Course Number: BU3100	In TSI, students will serve as the primary provider of technical support for the school. This hands-on course will train students in customer service, provide students with the skills necessary to troubleshoot and repair Chromebook, classroom, and other technical problems, and utilize professional data tracking software. Through TSI, students will gain an understanding of how a help desk functions and the role of customer service in today's growing world of technology. In addition, students are required to earn certifications often sought by employers in technical career fields including CompTIA A+, and MOS (Microsoft Office Specialist). The TSI help desk is operational 30 minutes before and after school and all TSI students will be required to work approximately 6 times per term outside of school hours.

WEB DESIGN Prerequisite: None Open to: Grades 10-12 Length: 1 semester Credits: 0.5 *This course will be offered in 2018-19, 2020-21* Course Number: BU2600	In Web Design, students will use DHTML, Adobe Dreamweaver, Flash, and Photoshop to create real web sites. The students will create their own free web space and sites for publication on the Internet.

*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.

FAMILY AND 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

CLOTHING Prerequisite: None Open to: Grades 9-12 Length: 1 semester Credits: 0.5 Course Number: FC1000	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 Course Number: FC2200	In Child Development, students will investigate current issues affecting children and families including conception, pregnancy, prenatal development, and the birth of the child. An in-depth evaluation of a child's physical, social, emotional, and intellectual development is conducted from birth through the preschool years. Additional child related topics such as brain development, caring for children with special needs, discipline, creative play, and children's literature are also explored. 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 Course Number: FC2100	In Food and Nutrition, students will be introduced to food concepts including nutrition, safety, sanitation, consumer buying skills, food storage, and food preparation skills. Group work will provide lab experiences in preparing grains, fruits, vegetables, dairy products, eggs, soups, and baked goods. This course will enable students to realize the benefits of sound nutrition and apply the principles to their daily lives.

INDUSTRIAL TECHNOLOGY

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

INDUSTRIAL TECHNOLOGY Prerequisite: None Open to: Grades 9-12 Length: 1 semester Credits: 0.5 Course Number: IT1100	Industrial Technology will expose students to a variety of power hand tools and floor machinery geared towards woodworking and manufacturing. Students will incorporate math and science in the design process and construction of several required projects. This course is a great start into several Programs of Study: Engineering, Manufacturing, Building Trades, etc.

BUILDING TRADES Prerequisite: Industrial Technology Open to: Grades 10-12 Length: 2 semesters Credits: 1.0 Course Number: IT2100	Building Trades is an introduction to residential construction practices. Fundamentals of planning, layout, foundations, and rough framing are taught in theory and through the construction of a model home built inside the Shop Lab. Students will also develop their reading, writing, mathematics, and communication skills.

MUSIC

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 Audition
Chorale (co-ed)	1.0	9-12	None
Bel Canto (all female)	1.0	9-12	Audition
Honors Concert Choir (co-ed)	1.0	9-12	Audition
Honors Master Singers (co-ed)	1.0	9-12	Audition
Lights/PE (all female show choir)	1.0	9-12	Audition and enrollment in a concert ensemble
Sound FX/PE (all male show choir)	1.0	9-12	Audition and enrollment in a concert ensemble
Mundelein Sound (co-ed show choir)	1.0	9-12	Audition and enrollment in a concert ensemble
AP Music Theory	1.0	10-12	Faculty recommendation and approval

BEGINNING GUITAR Prerequisite: None Open to: Grades 9-12 Length: 1 semester Credits: 0.5 Course Number: MU6200	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: Beginning Guitar Open to: Grades 9-12 Length: 1 semester Credits: 0.5 Course Number: MU6220	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

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

CONCERT BAND Prerequisite: None Open to: Grades 9-12 Length: 2 semesters Credits: 1.0 Course Number: MU1000	Concert Band is our entry-level band designed to build on the fundamental instrumental skills covered in junior high school and middle school bands. Students perform wind and percussion literature of an intermediate difficulty level in a standard concert band setting.

SYMPHONIC BAND Prerequisite: None Open to: Grades 10-12 Length: 2 semesters Credits: 1.0 Course Number: MU2000	Symphonic Band is our intermediate level band designed to further develop skills in ensemble performance beyond what is covered in Concert Band. This ensemble performs literature of a moderated to advanced difficulty level.

HONORS SYMPHONIC WINDS Prerequisite: Audition Open to: Grades 9-12 Length: 2 semesters Credits: 1.0 Course Number: MU2100	Symphonic Winds is our advanced band designed to further develop skills in ensemble performance. This ensemble performs literature of an advanced difficulty level. Solo/Ensemble festival participation is required for this course. Honors credit is given for this course. Auditions for Honors-level bands are held during Term 3 for the following year.

HONORS WIND ENSEMBLE Prerequisite: Audition Open to: Grades 9-12 Length: 2 semesters Credits: 1.0 Course Number: MU3000	Wind Ensemble is our elite band designed to refine instrumental music skills through performance. This ensemble performs literature at a college and professional level. Solo/Ensemble and IMEA festival participation is required for this course. Honors credit is given for this course. Auditions for Honors-level bands are held during Term 3 for the following year.

HONORS JAZZ ENSEMBLE Prerequisite: Enrollment in a concert band and Audition Open to: Grades 9-12 Length: 2 semesters Credits: 1.0 Course Number: MU6320	Jazz Ensemble is our elite jazz band designed to refine instrumental music skills through performance. This ensemble performs literature at a college and professional level.

JAZZ ORCHESTRA Prerequisite: Enrollment in a concert band and Audition Open to: Grades 9-12 Length: 2 semesters Credits: 1.0 Course Number: MU6340	Jazz Orchestra is our advanced jazz band designed to further develop skills in ensemble performance. This ensemble performs jazz literature of an advanced difficulty level.

JAZZ WORKSHOP Prerequisite: Enrollment in a Concert Band and department recommendation Open to: Grades 9-12 Length: 1 semester Credits: 0.5 Course Number: MU6360	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.

VOCAL GROUPS

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

- **Participation in all public performances is required.**
- **Mundelein Sound meets exclusively after school, and will be waived from PE.**
- **Lights and SoundFX will meet during the school day, and will be waived from PE.**
- **Auditions for all choirs except Chorale are held in February and March 2018.**

Please visit the choir website for information:
http://:www.d120.org/activities/rz/sound/auditions/default.aspx

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

Course Number: MU6500	March. Besides their daily rehearsals , students in Lights also rehearse on some Saturdays throughout the year. There is a fee associated with this class.

SOUND FX Prerequisite: Audition (all-male); Enrollment in a Concert Ensemble (Band or Choir) Open to: Grades 9-12 Length: 2 semesters Credits: 1.0 Course Number: MU6400	SoundFX is the all-male show choir of MHS. It is an auditioned group of singers who are enrolled in a concert ensemble (choir or band) another period of the day or have been placed in this group at the directors' discretion. Students in show choir study pop and Broadway music, that is then choreographed and performed at competitions around the Midwest from January through March. Besides their daily rehearsals , students in FX also rehearse on some Saturdays throughout the year. There is a fee associated with this class.

MUNDELEIN SOUND Prerequisite: Audition (co-ed); Enrollment in a Concert Ensemble (Band or Choir) Open to: Grades 9-12 Length: 2 semesters Credits: 1.0 Course Number: MU6600	Sound is the award winning mixed show choir of MHS. It is an auditioned group of singers who are enrolled in choir or band during the school day, and most are also enrolled in Show choir/PE. This class meets exclusively outside of the school day one to two days a week, as well as some Saturdays throughout the year. Students in show choir study pop and Broadway music, that is then choreographed and performed at competitions around the Midwest from January through March. This class fulfills the PE requirement for the year. There is a fee associated with this class.

AP MUSIC THEORY Prerequisite: Music Faculty Recommendation and Approval Open to: Grades 10-12 Length: 2 semesters Credits: 1.0 Course Number: MU6120	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, 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..*

PROJECT LEAD THE WAY

COURSE	CREDIT	OPEN TO	PREREQUISITE
Introduction to Engineering Design (IED)	1.0	9-12	None
Honors Principles of Engineering (POE)	1.0	10-12	IED, or department recommendation
Advanced Computer Integrated Manufacturing (CIM)	1.0	10-12	Honors POE, or department recommendation

INTRODUCTION TO ENGINEERING DESIGN (IED) Prerequisite: None Open to: Grades 9-12 Length: 2 semester Credits: 1.0 Course Number: IT1000	Using state-of-the-art 3D design software, discover the role of an engineer in taking an idea from the design process to product testing to manufacturing or production. Produce an incredible, working prototype of your project with a 3D printer. 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.

HONORS PRINCIPLES OF ENGINEERING (POE) Prerequisite: IED or department recommendation Open to: Grades 10-12 Length: 2 semesters Credits: 1.0 (Honors credit) Course Number: IT2200	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: Honors POE, or department recommendation Open to: Grades Length: Credits: 1.0 (Advanced Level Credit) Course Number: IT3200	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 virtual manufacturing badge recognized by the National Manufacturing Badge system.

PROJECT LEAD THE WAY PLTW

TELEVISION AND MEDIA

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

Advanced Media may be repeated for honors credit

BEGINNING MEDIA Prerequisite: None Open to: Grades 9-12 Length: 1 semester Credits: 0.5 Course Number: BU1400	In Beginning Media, students will learn the basics of TV production; working in front of and behind the camera in an authentic TV studio where they will create multiple talk shows. They will further develop these skills as they write, record, and assemble complete newscasts including "on the spot" locations, weather, and sports using green screen technology and virtual sets. When students are not in the studio they will also produce original video stories where they will learn how to complete all the stages of any video story: planning, shooting with a camera, and editing on a computer. This class may contain the word "Media" in the title however students also will learn the skill of writing, communication, and collaboration. This class is taught with a "hands on" approach to learning all about TV productions and video editing. This class is designed for the majority of the work to be done in class with minimal responsibilities outside of class. No experience is necessary.

ADVANCED MEDIA Prerequisite: Beginning Media Open to: Grades 9-12 Length: 1 semester Credits: 0.5 **(May be repeated for honors credit)** Course Number: BU1500	In Advanced Media, students will enhance their skills of video storytelling and journalism. They will create "news" stories as well as short-term challenge videos that focus on an assigned themes designed to build specific skills. In addition, during the 2nd half of the class they will assemble, crew, and anchor Mundelein's "Friday Focus" where their investigative news stories are broadcast to both the school and the Mundelein community. **At the Honors Level:** Students begin their experience in this class by creating news packages about activities at the school, as well as the Mundelein Community. Many of the stories will be included in the "Friday Focus" each week, which will also be assembled by the Honors students the first part of the term. In addition, student work will be created to build a video portfolio and entered into local and national video festivals. These stories will replicate real authentic industry work as they will learn the art of intentional communication, as they plan out interviews, organize people together for video shoots, and create a

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

THEATRE

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

TECHNICAL THEATRE Prerequisite: None Open to: Grades 9-12 Length: 2 semesters Credits: 1.0 Course Number: TH1300	Technical Theatre introduces students to the basic elements of theatre production and design. Students study theatre terminology, set design and construction, scene painting, stage lighting, sound, costuming, props, and make-up. Students will have the opportunity to apply these skills to stage productions at Mundelein High School.

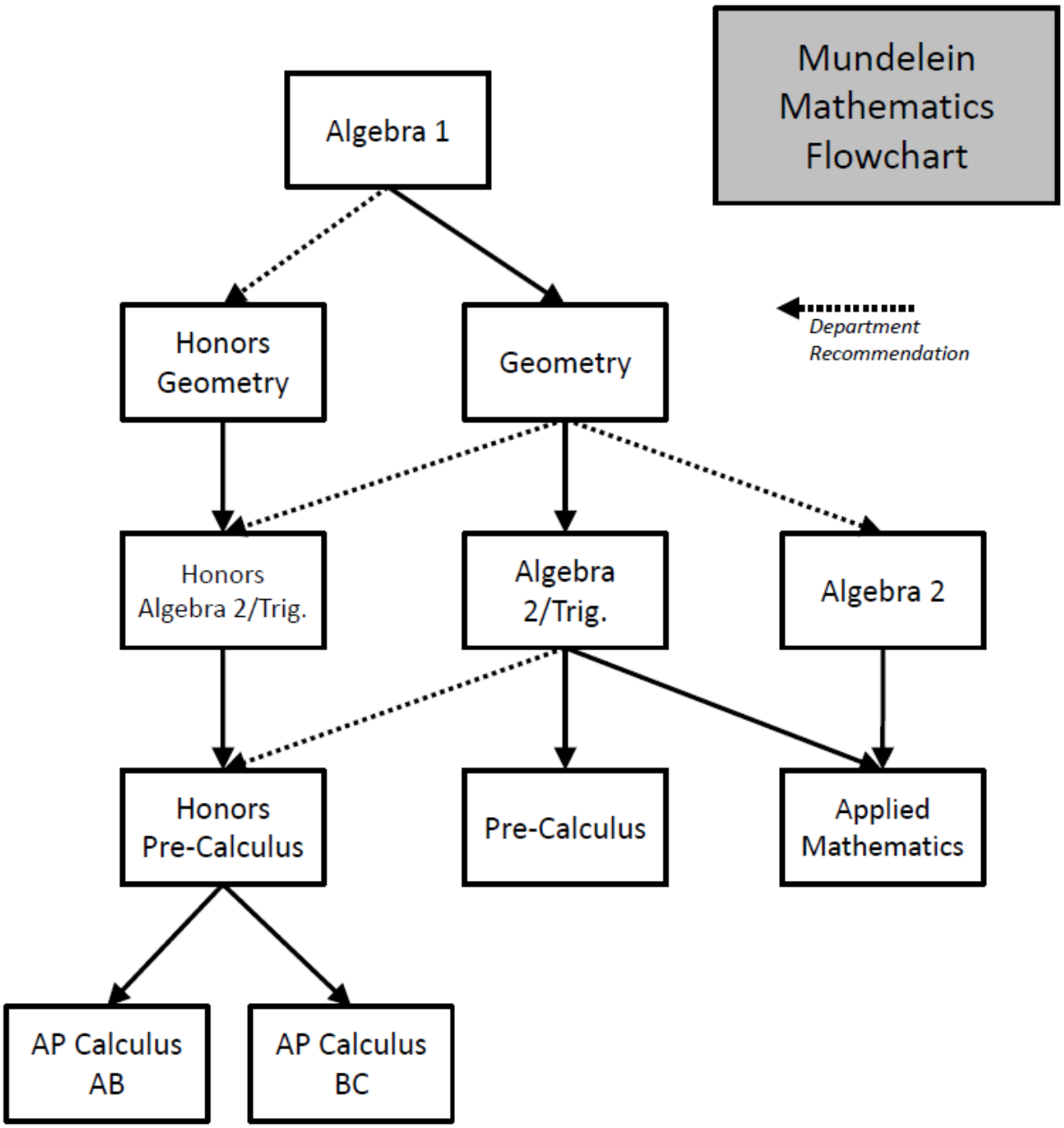
INTRODUCTION TO THEATRE Prerequisite: None Open to: Grades 9-12 Length: 1 semester Credits: 0.5 Course Number: TH1000	Introduction to Theatre exposes students to a variety of the elements that make up the art form of theatre. Areas of focus include improvisation/theatre games, theatre terminology, theatre history, structure of play production, and the basic elements of technical theatre.

BEGINNING ACTING Prerequisite: Intro. to Theatre is recommended but not required Open to: Grades 9-12 Length: 1 semester Credits: 0.5 Course Number: TH1100	Beginning Acting builds on the background established in Introduction to Theatre, focusing on creating honest, believable characters and situations. Techniques will include character development, script analysis, voice and body training, motivation, and focus.

THEATRE STUDIO Prerequisite: Beginning Acting or department recommendation Open to: Grades 9-12 Length: 2 semesters Credits: 1.0 Course Number: TH1200	Theatre Studio is an in-depth, multi-leveled study of skills and techniques introduced in Beginning Acting. Advanced acting techniques are developed through further scene study, improvisational situations, and monologues written by modern playwrights. A history of the American Musical Theatre is included.

MATH

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



Statistics Courses

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

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

PRINCIPLES OF MATH A Prerequisite: Department recommendation Open to: Grade 9-10 Length: 2 semesters Credits: 1.0 Course Number: MA0100	**(Math 180 Course 1 Blocks 1-5)** This class is designed for students who need to build numerical understanding and reasoning skills. It will focus on key foundation concepts that enable students to make connections while learning to think algebraically. Techniques will be learned to help multiply and divide one-digit, two-digit, and three-digit numbers. An introduction to fractions will be presented, including adding and subtracting fractions and/or mixed numbers with different denominators. A calculator is recommended for the course. (BLOCKS) Multiplicative Thinking, The Distributive Property, Division, Fraction Concepts, Fraction Relationships

PRINCIPLES OF MATH B Prerequisite: Department recommendation Open to: Grade 9-10 Length: 2 semesters Credits: 1.0 Course Number: MA0200	**(Math 180 Course 1 Blocks 5-9)** This class is designed to continue to build the algebraic skills used with fractions. Techniques will be learned to help students multiply and divide whole numbers with fractions and mixed numbers. Visual products will be created to help represent the questions being asked. Students will then use many of the same skills (addition, multiplication, etc.) with decimals. To conclude the class, expressions with negative numbers will be solved. A calculator is recommended for the course. (BLOCKS)Fraction Relationships, Fraction Multiplication and Division, Decimals and Place Value, Decimal Operations, Both Sides of Zero.

INTRODUCTION TO ALGEBRA C & D Prerequisite: Department recommendation Open to: Grade 9-12 Length: 2 semesters Credits: 1.0 Course Number: MA0320	**(Math 180 Course 2 Blocks 1-9)** This class is designed to build pre-algebra skills through learning strategies, not memorizing. Students will have the ability to solve rate and ratio problems through the demonstration of visual representations. When exploring percentages, students will use additional visual representations (such as the double number-line) to compare the percentage to the whole. This class is designed to build pre-algebra skills through the use of variables and graphing. By graphing, the students will build visual representations when solving for functions and linear relationships. Additionally, alternate strategies will be used to help students solve multi-step equations. The equation-solving process will be vital as students continue through their algebra and geometry classes. A calculator is recommended for the course. (BLOCKS) Rates in Time, Rate and Ratio, Ratio Relationships, Percent and Proportional Reasoning, Proportional Relationships,Proportional Relationships, Linear Relationships, Graphs in the Plane, Functions, Systems of Equations

CONSUMER MATH Prerequisite: Department recommendation Open to: Grade 12 Length: 2 semesters Credits: 1.0 Course Number: MA4030	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..

ALGEBRA 1 Prerequisite: Department recommendation Open to: Grades 9-12 Length: 2 semester Credits: 1.0 Course Number: MA1030, MA1100, MA1200, MA1500	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 Prerequisite: Algebra 1 Open to: Grades 9-12 Length: 2 semesters Credits: 1.0 Course Number: MA3030, MA3100, MA3200, MA3500	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

HONORS GEOMETRY Prerequisite: Department recommendation Open to: Grades 9-10 Length: 2 semesters Credits: 1.0 Course Number: MA3900	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 Open to: Grades: 10-12 Length: 2 semesters Credits: 1.0 Course Number: MA2030. MA2100, MA2200, MA2500	In Algebra 2, basic algebra concepts are reviewed and expanded to include such topics as complex numbers, advanced polynomial equations, rational functions, powers, roots, and radicals. Successful completion of this course will prepare students for Advanced Algebra and Trigonometry. This course is aligned to the Common Core State Standards for Math. A graphing calculator is suggested.

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 2. Logarithms, conics, sequences and series will be studied, as well as a deep investigation into trigonometric functions, identities, equations and their graphs. Successful completion of this course will prepare students for an entry level college course, as well as Honors Pre-Calculus. This course is aligned to the Common Core State Standards for Math. A graphing calculator is suggested.
HONORS ALGEBRA 2/TRIG. Prerequisite: Honors Geometry or Department recommendation Open to: Grades 9-11 Length: 2 semesters Credits: 1.0 Course Number: MA2900	In Honors Algebra 2/Trig., advanced topics in algebra and trigonometry will be studied at an accelerated pace. Students will investigate such topics as complex numbers, advanced polynomial equations, rational functions, powers, roots, radicals, logarithms, conics, sequences and series. Trigonometric topics will include identities, solving equations, graphing, and oblique triangles. Successful completion of this course will prepare students for Honors Pre-Calculus. This course is aligned to the Common Core State Standards for Math. A graphing calculator is required.
APPLIED MATHEMATICS Prerequisite: Algebra 2 Open to: Grades 11-12 Length: 2 semesters Credits: 1.0 Course Number: MA4600	This course is designed for students who are college bound, interested in majoring in fields that do not require continued mathematics. Students will investigate mathematics as it is applied in the real world. Students will build on their algebra and geometry skills, emphasizing problem solving. Additional topics will include trigonometry, probability, statistics, matrices, finance, graph theory, and more. A graphing calculator is suggested
PRE-CALCULUS Prerequisite: Advanced Algebra and Trigonometry Open to: Grades 11-12 Length: 2 semesters Credits: 1.0 Course Number: MA4700	Pre-Calculus is designed as a typical fourth course for college-bound students. A heavy emphasis is placed on the analysis of functions which includes polynomial, rational, piecewise, exponential, logarithmic, and trigonometric. Other topics include matrices, graphing of functions, sequences, series, conics, and additional applications of Trigonometry. A graphing calculator is suggested.
HONORS PRE-CALCULUS Prerequisite: Honors Algebra 2/Trig. or Advanced Algebra and Trigonometry Open to: Grades 9-12 Length: 2 semesters Credits: 1.0 Course Number: MA4900	Honors Pre-Calculus is the preparatory course for Calculus. It is the culmination of the study of elementary functions, trigonometry, and analytical geometry. It also contains the calculus topics of continuity, limits, and derivatives. Successful completion of this course will prepare students for AP Calculus B or BC. A graphing calculator is required.

PROBABILITY AND STATISTICS Prerequisite: Geometry Open to: Grades 11-12 Length: 2 semesters Credits: 1.0 Course Number: MA6000	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 Honors Algebra 2/Trig. Open to: Grades 10-12 Length: 2 semesters Credits: 1.0 Once a prerequisite course is completed, this course may be taken concurrently with other math courses. Course Number: MA5200	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: Honors Pre-Calculus Open to: Grades 10-12 Length: 2 semesters Credits: 1.0 Course Number: MA5000	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: Honors Pre-Calculus Open to: Grades 10-12 Length: 2 semesters Credits: 1.0 Course Number: MA5100	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.*

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

SCIENCE

COURSE	CREDIT	OPEN TO	PREREQUISITE
Biology	1.0	9	None
Honors Biology	1.0	9	Enrollment in Honors Geometry or higher Math course or Honors English, and department recommendation
AP Biology	1.5	11-12	Biology and Chemistry
Physical Science	1.0	10-12	Biology
Chemistry	1.0	10-12	Biology and Algebra 1
Honors Chemistry	1.0	10	Honors Biology or Regular Biology, Algebra 1, or department recommendation
AP Chemistry	1.5	11-12	Chemistry or Honors Chemistry, and Algebra 2
Earth Science	1.0	10-12	Biology
Physics	1.0	10-12	Biology
Honors Physics	1.0	10-12	Algebra 2, Honors Biology or Regular Biology, or department recommendation
AP Physics 1	1.0	11-12	Physics or Honors Physics, and Algebra 2
AP Physics 2	1.0	11-12	AP Physics 1
Zoology	0.5	9-12	None
Honors Anatomy/Physiology	1.0	11-12	Biology or Honors Biology, and Chemistry or Honors Chemistry
Astronomy	0.5	11-12	None
AP Environmental Science	1.0	10-12	Chemistry or Honors Chemistry or department recommendation
STEM Inquiry and Research	1.0	10-12	Biology and Algebra 1
Nanotechnology and Research	1.0	10-12	Biology and Algebra 1

BIOLOGY Prerequisite: None Open to: Grade 9 Length: 2 semesters Credits: 1.0 Course Number: SC1200, SC1300, SC1500	Biology emphasizes reading comprehension, data analysis, practical experimentation, hypothesis formulation, data collection, problem solving, and critical thinking as they relate to the life sciences. Areas of study include genetics, cell structure, photosynthesis, respiration, ecology, microbiology, botany and zoology. This course is aligned to the Next Generation Science Standards. It is also offered in a bilingual (Spanish) format.

HONORS BIOLOGY Prerequisite: Enrolled in Honors Geometry or higher Math course or Honors English, and department recommendation Open to: Grade 9 Length: 2 semesters Credits: 1.0 Course Number: SC1900	Honors Biology emphasizes reading comprehension, data analysis, practical experimentation, hypothesis formulation, data collection, problem solving, and critical thinking as they relate to the life sciences. Genetics, cell structure, photosynthesis, respiration, ecology, microbiology, botany, zoology, and other topics are studied and integrated. The knowledge and concepts in Honors Biology are studied in greater depth than in Biology. This course is aligned to the Next Generation Science Standards

AP BIOLOGY Prerequisite: Biology and Chemistry Open to: Grades 11-12 Length: 2 semesters Credits: 1.5 Course Number: SC5000 **The class meets for 1.5 periods each day and will be matched up with a lunch period**	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. **The class meets for 1.5 periods each day and will be matched up with a lunch period.** **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 Course Number: SC3600, SC3630	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. The course is accepted as an ACT core course and is considered a college preparatory course.

CHEMISTRY Prerequisite: Biology and Algebra 1 Open to: Grades 10-12 Length: 2 semesters Credits: 1.0 Course Number: SC2100, SC2200, SC2030, SC2500	Chemistry focuses on experimental design, scientific inquiry, data analysis, mathematical calculation, and scientific reading. These skills are developed through the study of properties of matter, atomic structure, chemical formulas, chemical reactions, periodic properties of elements, chemical bonding, acid/base chemistry, and the behavior of atomic particles in accordance with Kinetic Theory of Matter. Students write formal lab reports. Connections to relevant societal and technological issues are emphasized. This course is aligned to the Next Generation Science Standards. It is also offered in a bilingual (Spanish) format.

HONORS CHEMISTRY Prerequisite: Algebra 1, Honors Biology or Regular Biology, or department recommendation Open to: Grade 10 Length: 2 semesters Credits: 1.0 Course Number: SC2900	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: Chemistry or Honors Chemistry, and Algebra 2 Open to: Grades 11-12 Length: 2 semesters Credits: 1.5 Course Number: SC5100 **The class meets for 1.5 periods each day and will be matched up with a lunch period.**	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. **The class meets for 1.5 periods each day and will be matched up with a lunch period.** **It is highly recommended that all students in an Advanced Placement course take the Advanced Placement Exam offered each May by the College Board.*
EARTH SCIENCE Prerequisite: Biology Open to: Grades 10-12 Length: 2 semesters Credits: 1.0 Course Number: SC2200, SC2220, SC2230	Earth Science is a lab oriented course that counts towards the 3.0 science credit graduation requirement. Students will study major units in astronomy, geology, meteorology, and physical geography. This course is aligned to the Next Generation Science Standards. The course is accepted as an ACT core course and is considered a college preparatory course.
PHYSICS Prerequisite: Biology and Algebra 1 Open to: Grades 10-12 Length: 2 semesters	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

Credits: 1.0 Course Number: SC3100, SC3200, SC3500	magnetism. This course is aligned to the Next Generation Science Standards.

HONORS PHYSICS Prerequisite: Algebra 2 and Honors Biology or Regular Biology, or department recommendation Open to: Grades 10-12 Length: 2 semesters Credit: 1.0 Course Number: SC3900	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.

AP PHYSICS 1 Prerequisite: Physics or Honors Physics and Algebra 2 Open to: Grades 11-12 Length: 2 semesters Credits: 1.0 Course Number: SC5400	AP Physics 1 is equivalent to first semester a college course in algebra based physics that is broader and more highly specialized than in previous physics courses. Skills in science reasoning, experimental design, laboratory procedures, and problem solving are integrated and developed through a study of physics topics. Students are challenged to extend what they learn to solve problems of various levels of structure and depth. This course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy and power, and mechanical waves and sound. It will also introduce electrical circuits. Strong Algebra and basic trigonometry skills are recommended as prerequisites. **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: AP Physics 1 Open to: Grades 11-12 Length: 2 semesters Credits: 1.0 Course Number: SC5500	AP Physics 2 is a equivalent to second semester college course in algebra based physics that is broader and more highly specialized than in previous physics courses. Skills in science reasoning, experimental design, laboratory procedures, and problem solving are integrated and developed through a study of physics topics. Students are challenged to extend what they learn to solve problems of various levels of structure and depth. This course covers fluid dynamics, thermodynamics, electricity and magnetism, optics, and atomic and nuclear physics. Strong Algebra and basic trigonometry skills are recommended as prerequisites. **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	Zoology focuses on animal taxonomy, animal anatomy/physiology, animal development, and animal behavior. The course will emphasize basic life science

Open to: Grades 9-12 Length: 1 semester Credits: 0.5 Course Number: SC6000	laboratory skills and techniques. It can be taken before or after Biology. **Animal dissection is a required part of the laboratory experience**. This course is a science elective and does not fulfill the Biology requirement.

HONORS ANATOMY AND PHYSIOLOGY Prerequisite: Biology and Chemistry Open to: Grades 11-12 Length: 2 semesters Credits: 1.0 Course Number: SC6500	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 11-12 Length: 1 semester Credits: 0.5 Course Number: SC6200	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

AP ENVIRONMENTAL SCIENCE Prerequisite: Chemistry or Honors Chemistry or department recommendation Open to: Grades 10-12 Length: 2 semesters Credits: 1.0 Course Number: SC5300	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.*

NANOTECHNOLOGY AND RESEARCH Prerequisite: Biology and Algebra 1 Open to: Grades 10-12 Length: 2 semesters Credits: 1.0 Course Number: SC6600	During the first term students will learn and apply the protocols and scientific research in the context of laboratory experiences. Students will learn how to operate electron microscopes, atomic force microscopes and the theory about how they work. They will learn how materials' properties change at the nanotechnology level and how those properties are applied in our daily lives. As the students develop skills and techniques they will refine their own research questions they will investigate during the second term. The investigation will include designing original experiments to help answer their research questions. The students will share their research design and findings at the end of the course. This course meets the prerequisite for Independent STEM Inquiry and Research.

STEM INQUIRY AND RESEARCH Prerequisite: Biology and Algebra 1 Open to: Grades 10-12 Length: 2 semesters Credits: 1.0 Course Number: SC2700	During the first term students will learn and apply the protocols of scientific research in the context of laboratory experiences. The inquiry experiences will include topics from the STEM (Science, Technology, Engineering and Math) fields of Biology and the Physical Sciences. As the students develop skills and techniques they will refine their own questions they will research during the second term. The students will design original experiments to help answer their research questions. Students will share their research design and findings at the end of the second term. This course meets the prerequisite for Independent STEM Inquiry and Research.

SOCIAL STUDIES

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

*10th grade with departmental approval

WORLD STUDIES Prerequisite: Department recommendation Open to: Grade 9 Length: 2 semesters Credits: 1.0 Course Number: SS1100, SS1200, SS1030, SS1500	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. This course has an earned honors option for all students. The instructor will review these requirements at the start of the course.

UNITED STATES HISTORY Prerequisite: World Studies or AP World History Open to: Grades 10-12 Length: 2 semesters Credits: 1.0 Course Number: SS2100, SS2030, SS2200, SS2500	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 or AP World History Open to: Grades 10-12 Length: 2 semesters Credits: 1.0 Course Number: SS5100	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 Course Number: SS3100, ss3200, SS3300, SS3500	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 Course Number: SS5200	AP American Government and Politics explores how Congress, the Presidency, and the Supreme Court work to make public policy. Students will focus on political parties, campaigns and elections, the media and interest groups, as well as civil rights and civil liberties. This course is designed for students who have an interest in current events, as well as the study of the structure and function of our government. AP American Government and Politics prepares students to become more responsible citizens and more informed voters. 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 UNITED STATES AND COMPARATIVE GOVERNMENT AND POLITICS Prerequisite: U.S. History or AP U.S. History Open to: Grades 11-12 Length: 2 semesters Credits: 1.0 Course Number: SS	The first semester of this college level course will focus on United States Government and Politics and will give students an analytical perspective of the American political system. The second semester will focus on Comparative Government and Politics, and will give students a basic understanding of the world's diverse political structures. This course is designed for students who have an interest in current events, both in the United States and around the world. AP Government and Politics prepares students to become more responsible citizens and more informed voters, as well as more knowledgeable members of a global community. The Comparative Government course will focus primarily on Great Britain, Russia, Mexico, China, Iran and Nigeria. **It is highly recommended that all students in an Advanced Placement course take the Advanced Placement Exam offered each May by the College Board.*
ECONOMICS Prerequisite: None Open to: Grades 10-12 Length: 1 semester Credits: 0.5 Course Number: SS3200, SS3350, SS3150, SS3550	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 *11-12 *10th grade with departmental approval Length: 2 semesters Credits: 1.0	This course provides an accelerated study in the field of economics. Students acquire understandings equivalent to those gained in a college level introductory course. The course of study of will prepare students to take both the AP Microeconomics and AP Macroeconomics Tests and also fulfills the consumer education requirement for graduation. The course will examine both broad economic theory and principles such as supply and demand, the

Course Number: SS5500	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*..

CURRENT WORLD ISSUES Prerequisite: None Open to: Grades 9-12 Length: 1 semester Credits: 0.5 Course Number: SS6000	In Current World Issues, students examine the causes and possible solutions of major global problems. Topics of study include poverty, disease, genocide, human trafficking, and global climate change. Students will explore ways they can personally make a difference in these global problems

CIVIL LAW Prerequisite: None Open to: Grades 9-12 Length: 1 semester Credits: 0.5 Course Number: SS6300	Civil Law is designed for students who are interested in learning more about topics such as lawsuits, conflict resolution, family legal issues, and discrimination. Students will discuss current Supreme Court cases that focus on civil issues such as gender discrimination. Students will participate in mock trial, legal hearings, simulations, and interact with guest speakers. This course may be taken concurrently with other law courses.

CRIMINAL LAW Prerequisite: None Open to: Grades 10-12 Length: 1 semester Credits: 0.5 Course Number: SS6200	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 or AP World History Open to: Grades 10-12 Length: 2 semesters Credits: 1.0 Course Number: SS5400	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: Incoming 9th graders should have strong reading and writing skills Open to: Grades 9-12 Length: 2 semesters Credits: 1.0 Course Number: SS5700	The AP Human Geography course is equivalent to an introductory college-level course in human geography. The course introduces students to the study of patterns and trends that have shaped human understanding. How have humans adapted and adjusted to their environments will be a question examined throughout the course. Student will analyze data regarding where and how people live to better understand the consequences on the environment. They also learn about methods and tools geographers use in their research and applications. The curriculum reflects the goals of the National Geographic Standards (2012). **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 Course Number: SS6600	Psychology is an introductory course designed to provide an overview of human thinking and behavior. Topics of study include research methods in psychological study, the biological bases of behavior, personality, states of consciousness such as sleep and hypnosis, how the brain learns and creates memories, abnormal psychological disorders, psychological development, and how social interactions affect behavior.
AP PSYCHOLOGY Prerequisite: None Open to: Grades 11-12 Length: 2 semesters Credits: 1.0 Course Number: SS5300	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: 2 semesters Credits: 1.0 Course Number: SS6500	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.

Dual Credit F.A.Q.

College of Lake County

What is Dual Credit?

Dual Credit is a program that allows students to take high school courses at Tech Campus in 18 different program areas while also enrolled at the College of Lake County (CLC). While students are enrolled at Tech Campus, they concurrently earn credits at the College of Lake County. This credit is placed on an official college transcript and can be used to pursue an Associate's degree or other certification.

What are the benefits of Dual Credit courses?

- Facilitates the transition between high school and college
- Reduces the time needed to complete a degree program
- Raises student motivation and aspiration
- Increases post-secondary enrollment
- Reduces the cost of a college education
- Reduces high school drop out rates
- Prepares students for college course work

How do I enroll in Dual Credit?

After you begin your Tech Campus class, your instructor and representatives from the College of Lake County will work with you to enroll at CLC.

What does it cost to enroll in Dual Credit?

There is absolutely no cost to students that enroll in dual credit, in fact, students will never have to pay for the college credits earned while taking a Tech Campus class. This equates to a savings of $138 per credit hour that is earned at Tech Campus.

Do I have to be enrolled at Tech Campus for two years to earn dual credit?

No, you can get dual credit if you are enrolled only for one year at Tech Campus.

How are dual credit courses different from high school AP courses?

Both types of courses are taught at the college level, but students in dual credit courses gain college credit immediately after successfully completing the course. In an AP course, students must pass the end-of-course exam to be eligible to apply for college credit once they graduate from high school. With dual credit courses, students do not have to wait to be awarded college credit.

How important is taking a dual credit course for college admissions?

Depending on the dual-credit course and the grade given, a student enrolling and completing dual-credit classes is usually a good sign that their motivation and academic interest in attending college is high. Colleges may see dual-credit work as a positive when considering an application for admission or advanced academic standing in an honors program.

Tech Campus
Dual Credit Offerings Through the College of Lake County

Tech Campus Program	CLC Course No.	CLC Course Name	Dual Credits	Year
Automotive Collision Repair	ACR 110	Introduction to Collision Repair	3	1
	ACR 131	Automotive Refinishing I	3	1
	ACR 215	Automotive Detailing	3	2
Auto Service	AUT 170	Introduction to Automotive	4	1
Construction Skills and Management	CMT 115	Carpentry I	3	1
	CMT 116	Carpentry II	3	2
Certified Nurse Assisting	NUR 110	Nurse Assisting	7	1
Computer Support Services	CIT 130	Operating Systems for A+ Certification	3	1
Culinary Arts	HCM 110	Introduction to the Hospitality Industry	3	1
	HCM 113	Serv-Safe: Food Service Sanitation	1	1
	HCM 111	Culinary Principles I	3	2
	HCM 212	Menu Marketing and Management	3	2
Early Education & Teaching	ECE 116	Creative Activities for Preschool	3	1
	ECE 117	Creative Activities for Infants & Toddlers	3	2
Emergency Medical Services	EMT 111	Emergency Medical Technician - Basic	7	1
Fire Fighting Program	FST 111	Introduction to Fire Science	3	1
3D Game Programming and App Development	CIT 120	Introduction to Computers	3	1
	CIT 177	3D Game Development	3	1
Game Programming and Virtualization	CIT 176	2D Game Development	3	1

Robotics & Automation	ARM 116	Mechatronics Graphics I	1	1
	ARM 117	Mechatronics Graphics II	1	1
	ARM 118	Mechatronics Graphics III	1	1
	MET 299	Mechatronics Engineering Technology	1	1
Multimedia Design	DMD 233	Digital Video Editing	3	1
Laser Technology	LPO 110	Intro to Lasers, Photonics & Optics	3	1
	LPO 111	Fundamentals of Light and Lasers	4	1
	LPO 112	Elements of Photonics	3	1
	LPO 113	Photonics Enabled Technologies	3	2
	ARM 156	Electrical Systems I	1	2
	ARM 157	Electrical Systems II	1	2
	ARM 158	Electrical Systems III	1	2
Welding & Fabrication	WLD 170	General Welding	3	1
	WLD 171	Gas Welding, Cutting, and Brazing	3	2
	WLD 172	Shielded Metal Arc Welding	3	2

Articulated Credit with CLC

Tech Campus Program	CLC Course No.	CLC Course Name	Dual Credits	Year
Automotive Collision Repair	ABR 110	Non Structural Repair	5	1
Computer Support Services	ELT 151	PC Hardware Fundamentals	3	1
	ELT 152	PC Peripherals and Troubleshooting	3	1
Criminal Justice	CRJ 121	Introduction to Criminal Justice	3	1
Law Enforcement & Policing	CRJ 122	Introduction to Policing	3	1

TECHNOLOGY CAMPUS

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

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

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

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

TECHNOLOGY CAMPUS PLACEMENT CRITERIA

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

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

MHS/TECHNOLOGY CAMPUS INFORMATION

1. Bus transportation from Mundelein High School is REQUIRED for students attending Tech Campus. Any deviation from this practice MUST be by prior written approval between Mundelein High School administration and the Technology Campus administration.
2. The bus times for Tech Campus will always remain the same despite the MHS bell schedule:

Session 1	departure	7:50 am	arrival	10:50 am
Session 3	departure	12:40 pm	arrival	3:25 pm (5:00pm for Cosmetology)

3. On late start days ("F" schedule) AM Tech Campus students will need to provide their own transportation to MHS to take the bus to Tech Campus.
4. To report an absence the parent/guardian must call Mundelein High and Technology Campus.

INFORMATION TECHNOLOGY

GAME PROGRAMMING AND VIRTUALIZATION/ Prerequisite: Algebra and basic programming Open to: Grades 11-12 Length: Full year Credits: 3.0 Fee: $5.00 Lab fee Supplies purchased by student required Course Number: TE3650	This program is designed to provide instruction in the computer science field. Students will be able to develop video games & professional programs using realistic hands-on interdisciplinary exercises. The game programming curriculum will focus on industry standard coding languages. Additional training will cover 2D and 3D animation. Additionally, students will work with virtual reality technologies providing experience in virtualizations allowing complex data or situations in a simulated real-world application. *Students may be eligible for up to 9 dual credits with the College of Lake County.

APP DEVELOPMENT AND 3D GAMING Prerequisite: Algebra and basic programming Open to: Grades 11-12 Length: Full year Credits: 3.0 Fee: $5.00 Lab fee Supplies purchased by student required Course Number: TE4650	Mobile Media Programmers become creative coders competent in applying interactive principles and theories to mobile and 3D game development. Students learn to think and act as innovators, adept at using a variety of technologies and processes to express ideas and solve gaming as well as mobile media design problems. We prepare students to develop software applications and other interactive media for mobile devices such as: smartphone, tablets, and 3-D Game Applications that can run on a variety of platforms. *Students may be eligible for up to 9 dual credits with the College of Lake County.

VISUAL ARTS

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

COMPUTER NETWORKING

COMPUTER SUPPORT SERVICES 1 & 2 Prerequisite: None Open to: Grades 11-12 Length: Full year Credits: 3.0 Fee: $35.00 Lab fee	This program will prepare students for careers in the computer field. Students will install, maintain, upgrade, and repair computer hardware and software on workstations and network systems. This program will prepare students for the A+ Certification Exam. Upon successful completion of this program, students will be able to diagnose hardware or software failures and perform the actions necessary to correct the problems based on knowledge of the system's

Supplies purchased by student required Course Number: TE3250, TE4250	operation. Additionally, students will learn how to provide the necessary support services to system users. Internships are available to students with local business partners. *Students may be eligible for up to 3 dual credits with the College of Lake County.

LASER TECHNOLOGY 1 & 2 Prerequisite: Algebra 1 and Geometry-enrolled in Algebra 2, two years of science Open to: Grades 11-12 Length: Full year Credits: 3.0 Fee: $15.00 Lab notebook Course Number: TE3950, TE4950	This program will offer students hands on learning with state-of-the art optical and laser equipment. Photonics is the technology of generating and harnessing light and other forms of radiant energy whose quantum unit is the photon. Photonics involves cutting-edge uses of lasers, optics, fiber-optics, and electro-optical devices in numerous and diverse fields of technology, manufacturing, health, telecommunication, environment monitoring, homeland security, aerospace, green construction and many others. *Students may be eligible for up to 16 dual credits with the College of Lake County.

HUMAN SERVICES

CERTIFIED NURSE ASSISTING Prerequisite: None Open to: Grade 12 Length: Full year Credits: 3.0 Fee: $73.00 Lab fee (1st year students) $53.00 Lab fee (2nd year students) $5.00 Lock replacement fee Supplies purchased by student required Course Number: TE4100	This program is designed to prepare students for employment as nurse assistants and for future entry into nursing education programs. This program leads to a CNA certification. Training will include the development of basic nursing and cardiopulmonary resuscitation skills through lecture, laboratory demonstrations, laboratory practice, and clinical experience. Instruction in this program includes a minimum of forty clinical hours held in long-term facilities in the community. Upon successful completion of this program, students will be eligible to take the written examination for the nurse assistant state certification. Students in this program must be seniors. *Students may be eligible for up to 7 dual credits with the College of Lake County.

COSMETOLOGY 1 & 2 Prerequisite: None Open to: Grades 11-12 Length: Full year Credits: 4.0 Fee: $320.00 Kit fee (1st year students) Replacement items (2nd year students) $5.00 Lock replacement fee Supplies purchased by student required Course Number: TE3300, TE4300	The Tech Campus offers a Cosmetology program that includes nail technology. Students will acquire the 1500 hours of experience required for licensing while learning how to perform shampoos, make-overs, facials, hair-styling, manicuring, sculptured nails, permanent waving, hair coloring, and cutting. Following the lab phase of the program, students will reinforce their training by working on clients in the Tech Campus Creations Salon. The Cosmetology program is only offered 3rd session (12:30-5:00 pm). Cosmetology students are required to attend Saturday sessions and Summer School.

CRIMINAL JUSTICE Prerequisite: None Open to: Grades: 11-12 Length: Full year Credits: 3.0 Fee: $48.00 Lab fee (1st year students) $23.00 Lab fee (2nd year students) $20.00 Program polo shirt $5.00 Lock replacement fee Supplies purchased by student required Course Number: TE3350	The class will cover ethical considerations for criminal justice professionals and challenges to police officers as well as constitutional considerations for policing. The class will also cover functions and structure of the court and judicial system. Further topics will include correctional institutions, current and pending court cases, juvenile justice and role playing opportunities related to criminal justice. *Students may be eligible for up to 6 dual credits with the College of Lake County
LAW ENFORCEMENT & CRIME SCENE INVESTIGATION Prerequisite: None Open to: Grades: 11-12 Length: Full year Credits: 3.0 Fee: $48.00 Lab fee (1st year students) $23.00 Lab fee (2nd year students) $20.00 Program polo shirt $5.00 Lock replacement fee Supplies purchased by student required Course Number: TE4350	This program prepares students for careers in the policing field. The class will focus on police procedures that are standard to a new police officer and the steps that are necessary to take to continue into a career of policing. The class will also explore basic crime scene investigation, Interview and interrogation methods, and a study of criminal investigation. *Students may be eligible for up to 6 dual credits with the College of Lake County
CULINARY ARTS 1 & 2 Prerequisite: None Open to: Grade 11-12 Length: Full year Credits: 3.0 Fee: $123.00 Lab fee (1st year students) $42.00 Lab fee (2nd year students) Fee for uniform replacement if necessary $5.00 Lock replacement fee Supplies purchased by student required Course Number: TE3400, TE4400	This program provides culinary and hospitality management education designed to prepare students for the many positions in the hospitality industry. Students will gain skills and knowledge in cold and hot food preparation, nutrition, baking, pastry, menu planning, sanitation, equipment operation, inventory control, purchasing, and front-of-the-house customer service skills. Skills will be practiced in planning, organizing, and preparing culinary creations for special events, competitions and the Tech Campus Deli. *Students may be eligible for up to 10 dual credits with the College of Lake County.
EARLY EDUCATION & TEACHING 1 & 2 Prerequisite: Child Development Open to: Grades 11-12 Length: Full year Credits: 3.0 Fee: $42.00 Lab fee (1st year students) $15.00 Lab fee (2nd year students)	This program is designed to prepare students for a variety of careers serving children. Students will develop skills to plan and implement age-appropriate activities in one of the two operating preschool labs. These skills include developing educational activities for the preschool children in creative arts, math, science, music, and language. Instruction will focus on the positive guidance of child behavior and all aspects of their development.

$5.00 Lock replacement fee Supplies purchased by student required Course Number: TE3500, TE4500	*Students may be eligible for up to 6 dual credits with the College of Lake County.

EMERGENCY MEDICAL SERVICES Prerequisite: None Open to: Grade 12 Length: Full year Credits: 3.0 Fee: $145.00 Lab fee (1st year students) $75.00 Lab fee (2nd year students) $20.00 Program polo $5.00 Lock replacement fee Supplies purchased by student required Course Number: TE4550	This program prepares students to take the licensure examination of the Illinois Department of Public Health to become certified as an EMT-B. Activities include clinical experiences in a hospital emergency room and ride alongs with local Fire/EMS departments. Students will learn American Heart Association Healthcare Provider CPR, patient assessment, stabilization, and initial pre hospital medical treatment of injured and ill patients. Students in this program must be a senior in high school. *Students may be eligible for up to 7 dual credits with the College of Lake County.

FIREFIGHTING 1 & 2 Prerequisite: None Open to: Grades 11-12 Length: Full year Credits: 3.0 Fee: $119.00 Lab fee (with optional textbook) $59.00 Lab fee (w/out optional textbook) $20.00 Program polo $9.00 Lock & safety glass replacement fee Supplies purchased by student required Course Number: TE3600, TE4600	This program is designed to prepare students for entry-level fire fighter positions. Skills taught are: understanding fire chemistry, wearing personal protective clothing, identifying ropes, tying knots, using fire extinguishers, performing forcible entry, carrying and raising ladders, operating self-contained breathing apparatus, employing search and rescue techniques, working with ventilation tools, and practicing hose evolutions on an operating fire engine. Leadership and communication skills help prepare the student for future certification. *Students may be eligible for up to 3 dual credits with the College of Lake County

MEDICAL ASSISTING Prerequisite: None Open to: Grades 11-12 Length: Full year Credits: 3.0 Fee: $100.00 Lab fee Supplies purchased by student required Course Number: TE3750	This program introduces students to a wide variety of careers in the allied health field including medical lab technician, medical assistant, and medical office professional. Training will include medical terminology, communication, body structure and function, vital sign measurement, principles of infection control, medical instrumentation, pharmacy technology, medical office assistant certification procedures, and microscope usage. *This course may be eligible for articulated credit with the College of Lake County.

MANUFACTURING/INDUSTRIAL

ROBOTICS AND AUTOMATION Prerequisite: Open to: Grades 11-12 Length: Full Year (1st session only) Credits: 3.0 Fee: $9.00 Lab fee (1st year students) $9.00 Lock & safety glass replacement fee Students must purchase their own tools Course Number: TE5300	Consider a career in Mechatronics. The field combines mechanics, electronics and computer technologies to create "smart" products that improve lives in countless ways. Mechatronics technicians help design, install, maintain and repair industrial equipment and a wide variety of appliances used in businesses and at home. These range from personal and industrial robots to artificial limbs, automatic teller machines (ATM's) and hybrid cars-just to name a few. *Students may be eligible for up to 4 dual credits with the College of Lake County.

WELDING AND FABRICATION 1 & 2 Prerequisite: Intro. to Industrial Tech. or Geometry Open to: Grades 11-12 Length: Full Year Credits: 3.0 Fee: $130.00 Lab fee (1st year students) Replacement items (2nd year students) $9.00 Lock & safety glass replacement fee Students must purchase their own tools Course Number: TE3900, TE4900	This program provides hands-on experiences gained from extensive practice and application of knowledge in shop safety, oxy-fuel welding and burning, arc welding, (stick, MIG, TIG), plasma arc cutting, and automatic shape cutting. Layout and fit-up, blueprint reading, and weld symbols are used to fabricate a variety of metal projects. The American Welding Society (AWS) recognizes the Tech Campus Welding program as an Educational Instruction Member. *Students may be eligible for up to 8 dual credits with the College of Lake County.

TRANSPORTATION

AUTOMOTIVE COLLISION REPAIR 1 & 2 Prerequisite: None Open to: Grades 11-12 Length: Full year Credits: 3.0 Fee: $120.00 Lab fee (1st year students) $33.00 Lab fee (2nd year students) $9.00 Lock & safety glass replacement fee Course Number: TE3150, TE4150	This program provides students with the fundamental skills of the automotive collision repair industry. Instruction in the program emphasizes both the repair and the refinishing skills associated with restoring a damaged automobile to factory specifications. Using an industry-endorsed curriculum, students will develop core skills in automobile construction, sheet metal damage repair, MIG welding, and basic refinishing. Upon mastery of the skills in core areas, students will gain skills in damage estimating, shop management, heavy collision repair, and finish matching. *Students may be eligible for up to 21 dual credits with the College of Lake County.

AUTOMOTIVE SERVICE 1 & 2 Prerequisite: None Open to: Grades 11-12 Length: Full year Credits: 3.0 Fee: $111.50 Lab fee (1st year students) $50.00 Lab fee (2nd year students)	This program will provide students with a solid foundation of skills to enter the automotive service industry. Training in the program emphasizes the development of skills in the core service areas utilizing factory procedures and industry standards in the school's fully operational repair shop. Instruction will feature training on brakes, steering and suspension, electrical systems, and engine performance. Upon successful completion of this program, students will be prepared to take the ASE (Automotive Service Excellence)

$9.00 Lock & safety glass replacement fee Students must purchase their own tools Course Number: TE3000, TE4000	certification exams in the areas emphasized in the program. *This course may be eligible for articulated credit with the College of Lake County.

PROJECT LEAD THE WAY (Specialization Courses)

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

CONSTRUCTION SKILLS AND MANAGEMENT

CONSTRUCTION SKILLS AND MANAGEMENT 1 Prerequisite: Open to: Grades 11-12 Length: Full year Credits: 3.0 Fee: Course Number: TE5200	This course provides students with an introduction to careers in the field of architecture, construction contracting, and civil engineering technology, including surveying. The program offers an overview and analysis of conventional construction methods with a focus on carpentry, HVAC, electrical, plumbing, environmental impacts on construction and overall construction safety. The hands-on use of building materials and tools in various construction systems is emphasized, including basic design of temporary structures. To further enrich students' experience, case studies and guest speakers are utilized to expose students to various professions and careers in the field. The course also provides students with resources for interdisciplinary academic success.

CONSTRUCTION SKILLS AND MANAGEMENT 2 Prerequisite: Open to: Grades 11-12 Length: Full year Credits: 3.0 Fee: Course Number: TE5250	This course provides students with fundamental knowledge and skills in job planning and scheduling. Students will be involved in all phases of planning and scheduling from the process of listing and sequencing to the development of the more complicated critical path network. In addition, students will review construction specifications and how they relate to national, state, and local building codes. Topics related to job safety and Occupational, Safety, and Health Administration (OSHA) regulations will also be discussed.

WELLNESS

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

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

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

Wellness Athletic Exemption Policy

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

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

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

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

HEALTH Prerequisite: None Open To: Grade 9 Length: 1 semester Credits: 0.5 Course Number: WE7100	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 Course Number: WE7100	This course will provide an introduction to physical fitness concepts, along with safety techniques and exposure to a variety of physical fitness apparatus to provide lifelong knowledge. Students will learn sports related activities in individual and group settings. The students will participate in activities such as but not limited to: tennis, badminton, volleyball, basketball, soccer, and floor hockey. Students will learn and have the opportunity to receive CPR/AED certification. Students will perform fitness testing at the beginning and end of the semester. Heart rate monitors will be used throughout the semester. A Mundelein High School Physical Education shirt is required.

Freshman PE Strength Prerequisite: None Open To: Grade 9 Length: 1 semester Credits: 0.5 Course Number: WE1200	This class will follow very closely to "Strength 1," with modifications being made for the age and experience level of each Freshman student. Students will learn and have the opportunity to receive CPR/AED certification. A Mundelein High School Physical Education shirt is required.

STRENGTH 1 Prerequisite: Open To: Grades 9-12 Length: 2 Semesters Credits: 0.5 Course Number: WE5300	This class is designed for the dedicated student who wants to learn and be introduced to the basics of a strength training program. This class is an attempt to optimize physical competence in ten fitness domains (endurance, stamina, strength, flexibility, power, speed, coordination, agility, balance, and accuracy). The class is designed for universal scalability, making it the perfect application for any committed student regardless of athletic experience or ability level. Students will be taught basic strength training concepts and techniques, as well as power and olympic lifts. Other fitness concepts will be discussed, that includes, but is not limited to plyometrics, speed and agility drills, interval training and aquatic activities. The weekly course schedule will change daily. Students will be assessed with a muscular strength and aerobic capacity growth model. Students will perform fitness testing at the beginning and end of the semester. Heart rate monitors will be used throughout the semester. A Mundelein High School Physical Education shirt is required.

STRENGTH 2 Prerequisite: Open To: Grades 10-12 Length: 2 Semesters Credits: 0.5 Course Number: WE5600	This class is designed for the student that is also competing in athletics. This Strength class is designed to provide an opportunity for athletes to participate in a structured strength and athletic enhancement program. Every athlete, no matter their sport, will follow a similar program. There will be differentiation between In-Season and Off-Season

	athletes. Movements are the same for each, difference is with intensity (weight) and volume (# of reps). Other fitness concepts will be discussed, that includes, but is not limited to plyometrics, speed and agility drills, interval training and aquatic activities. Students will perform fitness testing at the beginning and end of the semester. Heart rate monitors will be used throughout the semester. A Mundelein High School Physical Education shirt is required.

DANCE Prerequisite: None Open To: Grades 10-12 Length: 1 semester Credits: 0.5 Course Number: WE5000 Required attire: Black pants and solid colored sports tank shirts.	This is a one semester course in the art, craft and science of modern dance for all level dancers. Ballet, jazz and ethnic forms will be integrated into the curriculum. The purpose of this course will be to introduce students to the basic technical, sensory, expressive, and formal elements of dance and consequently develop their artistic appreciation. Students will be assessed on movement fundamentals and dance terminology. There will be some exploration of the role of dance in historical, social and cultural contexts. This course will also address issues of health, safety, and wellness that are of particular interest and importance to adolescent dancers. There will be mandatory participation in the dance recital. This course can be repeated. Heart rate monitors will be used throughout the semester. Students will perform fitness testing at the beginning and end of the semester.

GROUP FITNESS Prerequisite: Open To: Grades 10-12 Length: 1 semester Credits: 0.5 Course Number: WE3200	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, kickboxing, boot camp training, cycling, high and low aerobics. Activities will also include strength training with resistance bands, TRX bands and free weights. Students will perform fitness testing at the beginning and end of the semester. Heart rate monitors will be used throughout the semester. A Mundelein High School Physical Education shirt is required.

SPORT AND FITNESS Prerequisite: None Open To: Grades 10-12 Length: 1 semester Credits: 0.5 Course Number: WE2000 *This course will also be offered as an Early Bird	Sport and Fitness is designed for the student that enjoys sports and fitness related activities in individual and group settings. The students will participate in activities such as: tennis, badminton, volleyball, basketball, soccer, and floor hockey. The students will also participate in fitness activities such as circuit training, spin classes, running, and swimming. Students will perform fitness testing at the beginning and end of the semester. Heart rate monitors will be used

option.	throughout the semester. A Mundelein High School Physical Education shirt is required.

PE ADAPTIVE Prerequisite: Department recommendation Open To: Grades 9-12 Length: 2 semester Credits: 0.5 Course Number: WE6000	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.

DRIVER EDUCATION Prerequisite: None Open To: Grades 10-12 Length: 1 semester Credits: 0.5 Course Number: WE8000 **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 2018) MHS fee waiver on file.** **The $20 instructional permit fee is paid to the Illinois Secretary of State and cannot be waived.**	Driver Education is a two phase course that emphasizes a philosophy of safety and collision prevention and practical application of driving skills. Each student will receive a minimum of 30 hours of classroom instruction; and 6 hours of behind-the-wheel instruction to meet state requirements. Students are required to participate in both phases of the course and have met the financial obligation by the end of the first week of the term that they are enrolled in. Students must have a passing grade in 8 classes of the previous 2 semesters in order to enroll in Driver Education,

WORLD LANGUAGES

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

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

FRENCH 1 Prerequisite: None Open to: Grades 9-12 Length: 2 semesters Credits: 1.0 Course Number: WL1500	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	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,

Open to: Grades 9-12 Length: 2 semesters Credits: 1.0 Course Number: WL2500	speaking and listening in the French language. Students will conduct a more advanced study of the culture and traditions of French-speaking countries.

FRENCH 3 Prerequisite: French 2 Open to: Grades 10-12 Length: 2 semesters Credits: 1.0 Course Number: WL3500	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: French 3 Open to: Grades 10-12 Length: 2 semesters Credits: 1.0 Course Number: WL4500	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 10-12 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 Course Number: WL1000	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: Spanish 1, or department recommendation	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

Open to: Grades 9-12 Length: 2 semesters Credits: 1.0 Course Number: WL2000	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.

SPANISH 3 Prerequisite: Spanish 2 Open to: Grades 9-12 Length: 2 semesters Credits: 1.0 Course Number: WL3000	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: Spanish 3 or Spanish for Heritage Learners 3 Open to: Grades 10-12 Length: 2 semesters Credits: 1.0 Course Number: WL4000	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 Spanish for Heritage Learners 4 Open to: Grades 10-12 Length: 2 semesters Credits: 1.0 Course Number: WL4050	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 Spanish for Heritage Learners 3 Open to: Grades 10-12 Length: 2 semesters Credits: 1.0 Course Number: WL5000	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: Department recommendation Open to: Grades 9-12 Length: 2 semesters Credits: 1.0 Course Number: WL2100	Spanish for Heritage Learners 2 is designed for students who understand some spoken Spanish, and who need strategies to develop their reading and writing abilities in the classroom. Students will learn how to read, write, and communicate in the Spanish language through a focus on authentic literature and culture of Latin America. Students will explore a variety of themes such as immigration and global challenges. They will also be a focus on "comparing various Spanish-speaking cultures within the Americas". There will also be an in-depth focus on the culture, traditions, and customs of Spanish speaking countries.

SPANISH FOR HERITAGE LEARNERS 3 Prerequisite: Spanish for Heritage Learners 2 or department recommendation Open to: Grades 9-12 Length: 2 semesters Credits: 1.0 Course Number: WL3100	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: Spanish for Heritage Learners 3 or department recommendation Open to: Grades 10-12 Length: 2 semesters Credits: 1.0 Course Number: WL4100	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.

,Summer School 2018

Course Offerings

- Assessment Strategies (SAT Prep): Grades 11, 12
- Algebra 1 (for credit recovery or to ensure placement in Geometry)
- American Government and Politics: Grades 11, 12
- Economics: Grades 11, 12
- Driver's Education – Behind the Wheel
- Health: Grade 9
- GradPoint Lab (for credit recovery): Grades 10, 11, 12
- AP Boot Camp: Grades 9, 10, 11, and 12
- AP Calculus Boot Camp: Grades 9, 10, 11, and 12
- Spanish 1 refresher: Grade 9
- ***Other courses as determined by student need and availability. Watch for updates on d120.org in the Spring of 2018!***

Session Dates/Times

- **Session 1**
  - June 6-29
  - 8:00 a.m. – 11:00 a.m.
- **Session 2**
  - July 9-August 1
  - 8:00 a.m. – 11:00 a.m.

AP Boot Camp

AP Boot Camp is a 10-hour seminar designed to prepare students who are new to the Advanced Placement Courses. They will learn skills and strategies for success in an AP course.

Date: July 23-July 27
Time: 9:00 – 11:00 AM
Location: Mundelein High School
Registration: Complete Summer School Registration form in April and mail or drop off in the MHS Guidance Office