The Deer Creek-Mackinaw High School

Course Description Guide

2026 - 2027

Class Merit Status **7**
Graduation Requirements **7**
Honors Courses **7**
College Bound Students* **8**
Electives **8**
English **9**
English 9 10
Accelerated English 9 10
English 10 10
Accelerated English 10 11
English 11 11
AP English Language 11* 12
English 12 12
AP English Literature 12* 12
Modern Literature 13
Creative Writing 14
Mathematics **15**
Algebra 1 16
Accelerated Algebra 1 16
Geometry 17
Accelerated Geometry 17
Algebra 2 17
Accelerated Algebra 2 18
Trigonometry * 18
Statistics 18
Quantitative Literacy/Statistics 19
Precalculus* 19
Dual Credit ICC Calculus* 19
Science **20**
Life Science 21
Biology 1 21
General Science 21
Chemistry 1 22
Environmental Science 22
Biology 2* 22
Advanced Placement (AP) Biology* 23

Chemistry 2* 23
Physics 24
Social Studies 25
World History 25
Geography 25
Civics 26
U.S. History 26
Psychology 27
Sociology 27
Contemporary Issues 27
Foreign Language 29
Spanish 1 29
Spanish 2 29
Spanish 3* 30
Spanish 4* 30
Fine Arts 31
Band 32
Choir 32
Piano Methods 33
Introduction to Visual Art 33
Intermediate Art 33
Digital Art 34
Advanced Art 34
Portfolio Art 34
Media Production/Yearbook 35
Physical/Health/Safety 36
Health 36
Physical Education (P.E.) 37
Athletic Physical Education 37
Drivers Education 38
Family and Consumer Sciences 40
Foods & Nutrition 1 40
Foods & Nutrition 2 41
Foods 3 - Culinary Occupations 41
Child Development 41
Child Care 1 – Care and Learning Services Occupations 42
Child Care 2 – Care and Learning Services Management 42
Education 1 – Introduction to Education 43
Education 2 – Managing the Learning Environment 43

Industrial Technology Courses **44**
Introduction to Drafting 45
Introduction to Metals/Woods 45
General Metals/Welding 45
Machine Woodworking 46
Mechanical Drafting 46
Architectural Drafting 46
Advanced Metals 47
Advanced Shop Technology 47
Computer Aided Design and Drafting (CAD) 47
Business Courses **49**
Careers & Digital Literacy 50
Computer Concepts 1 50
Computer Concepts 2 50
Sports and Entertainment Marketing 51
Business Ventures 51
AP Computer Science * 52
Accounting * 52
Inter-related Cooperative Education Class (Co-op Class) 53
Inter-related Cooperative Education Work (Co-op Work) 53
Resource Management 54
Misc/Study Hall **55**
Office Assistant 55
Study Hall 55
D-Study Hall 55
Special Education Classes 55
ICC Dual-Credit Classes and Early Graduation **56**
ICC ENG 110 - Composition I 57
ICC ENG 111 - Composition II 57
ICC PSY 110 - Intro to Psychology 57
ICC SOC 110 - Intro to Sociology 57
ICC ART 110 - Art Appreciation 58
ICC BUS 110 - Intro to Business 58
ICC COMM 110 - Intro to Communication 58
ICC HLTH 121 - Medical Terminology 58
Work-Based Learning (WBL) 59
Certified Nurse Assistant (CNA) 59

Construction 59
Emergency Medical Services (EMS) 60
Production Welder Certificate 60
Welding Operator Certificate 61
Bloomington Career Academy (BCA) 62
Automotive Technology 62
Automotive Technology I* 62
Automotive Technology II* 62
CDL Trucking 63
CDL Trucking 63
Certified Nurse Assistant 63
Certified Nurse Assistant* 63
CNA Leadership 64
CNA Leadership (Formerly Advanced CNA) 64
Construction Trades 64
Construction Trades I* 64
Construction Trades II* 65
Construction Trades III* 65
Computer Technology & Networking 65
Computer Technology & Networking I* 65
Computer Technology & Networking II* 66
Computer Technology & Networking III* 67
Cosmetology 67
Cosmetology I, II, & III 67
Criminal Justice & Law Enforcement 68
Criminal Justice & Law Enforcement I 68
Criminal Justice & Law Enforcement II 69
Criminal Justice & Law Enforcement III 69
Culinary Arts 69
Culinary Arts I* 69
Culinary Arts II* 70
Cybersecurity 70
Cybersecurity 70
Cybersecurity II 71
Emergency Medical Technician 71
EMT (Emergency Medical Technician)-Basic* 71
Esthetics 72
Esthetics I & II 72
Fire Science 72

Fire Science*....72
Foundations of Teaching....73
Foundations of Teaching*....73
Foundations of Teaching II*....73
Graphic Design & Video Production....74
Graphic Design & Video Production I*....74
Graphic Design & Video Production II*....75
Graphic Design & Video Production III*....75
Health Careers & Medical Terminology....75
Health Careers and Medical Terminology*....75
Heavy Equipment Repair & Operations....76
Heavy Equipment Repair and Operation....76
Heavy Equipment Repair and Operation II....76
Mechatronics....77
Mechatronics*....77
Robotics & Engineering....77
Robotics & Engineering....77
Robotics & Engineering II....78
Welding....78
Welding I*....78
Welding II*....79
Links to Course Registration Forms....80
Freshman....80
Sophomore....80
Junior....80
Senior....80
Links to Sample Schedules....80
Freshman....80
Sophomore....80
Junior....80
Senior....80

Class Merit Status

Students will need 26 credits for graduation. 1 Semester = 0.5 credits. You must pass Math and English yearly to progress to the next class status (9, 10, 11, 12th grade).

Graduation Requirements

Subject	Specific Courses / Notes	Credits
English	English 9, 10, 11, 12	4
Math	Algebra 1	1
	Geometry	1
	Algebra 2	1
Science	Choose courses (1 MUST BE A LAB SCIENCE)	2
Social Studies	U.S. History	1
	Civics	1
Business	Careers & Digital Literacy Computer Concepts 1	.5 .5
	Resource Management or Interrelated Coop Class	.5
Physical Education	8 semesters enrolled @ ½ credit per year	4
Health	Health	.5
Fine Arts	Choose from one of the following Art / Music / Foreign Language / Technical Education	1
Electives	Choose courses	8
TOTAL		**26**

Honors Courses

Honors courses will carry weighted credit for successful completion. For example, an "4" in a class would normally result in four grade points but an "4" in an honors class will result in five grade points. Honors classes may result in the student's grade point average being raised. Failure in an honors class will result in no credit and no grade points. The honors courses are listed below:

- AP English Lit 12
- AP English Lang 11
- AP Biology
- Chemistry II
- Biology 2
- AP Calculus
- Precalculus
- Spanish 3
- Spanish 4
- Accounting
- Trigonometry
- Some BCA programs
- AP Computer Science
- All transferable ICC courses

College Bound Students*

If you plan to attend a 4 year college or university immediately after high school, these institutions have more stringent requirements for admission.

The following is a summary of <u>minimum</u> requirements at various Illinois colleges and universities*:

+ 4 years of English
+ 3 years of Social Studies-You will need an additional 2 semesters on top of Dee-Mack requirements.
+ 3 to 3.5 years of Math

(Algebra I (Math I), Algebra II (Math III), Geometry (Math II) and/or Pre-Calculus)

+ 3 years of science
+ 3 **<u>lab</u>** sciences: physical science, biology, chemistry, biology 2, chemistry 2, environmental science or physics.
+ 2 years of foreign language****or** music **or** art

1. The University of Illinois requires 2 years of the same foreign language
2. No other state university requires a foreign language as an **ENTRANCE** requirement-the requirement is 2 years of foreign language or fine arts
3. Several colleges have a foreign language **GRADUATION** requirement which can be met by taking a foreign language in high school

*If you plan to play sports in college, see Ms. Putney about NCAA & NAIA requirements

**For more information about specific colleges or universities see Ms. Putney.

Electives

Elective classes are **<u>ANY</u>** class that is additional to the required classes:
Examples:

+ You need 2 years of Science for graduation. You take Biology and General Science. Your third year you take Chemistry. Chemistry falls outside the 2 years of Science and is now classified as an elective.
+ You are in Band, which meets the graduation requirement of 1 year of either music, foreign language, art, or vocational education. If you take any class in these categories after your 1 year of band (i.e. yearly Band/Chorus involvement, Spanish, Industrial Tech., Art) these credits will be elective credits.
+ You don't need to take Intermediate Art to graduate, but you take it anyways. This is an elective credit.
+ Work-based learning programs (i.e. CNA and Construction) are electives.

<u>You need 8.0 credits of elective classes to graduate (16 semester classes total)</u>

English

Graduation Requirement: 4 credits (4 years)

Key: Y Year long
S Semester long course
\+ Graduation requirement
* Honors/weighted course

Course	Prerequisite	Term Length	Grade			
			9	10	11	12
English 9 +	None	Y	X			
Accelerated English 9 +	8th grade Teacher Recommendation	Y	X			
English 10 +	English 9	Y		X		
Accelerated English 10 +	"3" or higher in Accelerated English 9 or "3" or higher and Teacher Recommendation in English 9	Y		X		
English 11 +	English 10	Y			X	
AP English Language 11	"3" or higher in Accelerated English 10 or "3" or higher and Teacher Recommendation in English 10	Y			X	
English 12 +	English 11	Y				X
AP English Literature 12 +*	English 11 & Teacher Recommendation	Y				X
ICC Dual-credit English +*	English 11, Teacher Recommendation & Appropriate Accuplacer Score	Y				X
Journalism	A "3" in English 10 or 11 and Teacher Recommendation	Y			X	X
Modern Literature	English 9	S		X	X	X
Creative Writing	English 9	S		X	X	X

English 9

Course **#ENG09** Grade 9 1 Credit Year Course

PREREQUISITE: None

AIM OF COURSE: To expand knowledge/ability in analytical reading/thinking, writing, and speaking.

COURSE DESCRIPTION: This course focuses on developing the skills of reading, writing, speaking and listening. Students will develop their skills through a variety of activities and assessments. Readings for this course include various fictional short stories and non-fiction texts, as well as extended readings such as Romeo & Juliet. This course also involves multiple writing-based assessments including argumentative, informative, and narrative essays. The emphasis of this course is developing foundational skills for high school ELA.

Accelerated English 9

Course **#ACLENG09** Grade 9 1 Credit Year Course

PREREQUISITE: 8th grade teacher recommendation

AIM OF COURSE: To expand knowledge/ability in analytical reading/thinking, writing, and speaking.

COURSE DESCRIPTION: This course focuses on developing the skills of reading, writing, speaking and listening. Students will develop their skills through a variety of activities and assessments. Readings for this course include various fictional short stories and non-fiction texts, as well as extended readings such as Romeo & Juliet. This course also involves multiple writing-based assessments including argumentative, informative, and narrative essays. The emphasis of this course is developing foundational skills for high school ELA.

English 10

Course **#ENG10** Grade 10 1 Credit Year Course

PREREQUISITE: English 9

AIM OF COURSE: To expand skills in grammar, writing, speech, and literature.

COURSE DESCRIPTION: This course is designed to help students improve their communication skills through heavy emphasis in writing, listening, and speaking. The students will prepare and deliver several speeches. The course of study

includes common core aligned vocabulary, grammar, journal writing, and weekly nonfiction reading. Novels, short stories, and poetry will be presented during both semesters, as well as outside reading novels and required research papers. Students will study the novels Anthem, and Night, as well as Shakespeare's Hamlet. There is a focus on enrichment activities in this course, and the pacing, rigor, and variety of some elements will differ from the Eng 10 course.

Accelerated English 10

Course **#ACLENG10** Grade 10 1 Credit Year Course

PREREQUISITE: "3" or higher in Accelerated English 9 or "3" or higher and teacher recommendation in English 9

AIM OF COURSE: To expand skills in grammar, writing, speech, and literature.

COURSE DESCRIPTION: This course is designed to help students improve their communication skills through heavy emphasis in writing, listening, and speaking. The students will prepare and deliver several speeches. The course of study includes common core aligned vocabulary, grammar, journal writing, and weekly nonfiction reading. Novels, short stories, and poetry will be presented during both semesters, as well as outside reading novels and required research papers. Students will study the novels Anthem, and Night, as well as Shakespeare's Hamlet. Students will conduct a semester-long project that will require a great deal of in-depth research and analysis that will largely take place outside of class time. There is a focus on enrichment activities in this course, and the pacing, rigor, and variety of some elements will differ from the Eng 10 course.

English 11

Course **#ENG11** Grade 11 1 Credit Year Course

PREREQUISITE: English 9 & 10

AIM OF COURSE: To continue the development of advanced skills in grammar, writing, listening, reading, and vocabulary with a focus on American literature.

COURSE DESCRIPTION: This course is an advanced study of American literature and will include the development of many rigorous skills that relate to analytical reading, research writing, application of new and challenging vocabulary, modern fiction and nonfiction, essay writing, poetry, and drama.

AP English Language 11*

Course **#APENG11** Grade 11 1 Credit Year Course

PREREQUISITE: "3" or higher Accelerated English 10 or "3" or higher and teacher recommendation in English 10

AIM OF COURSE: To continue the development of advanced skills in grammar, writing, listening, reading, and vocabulary with a focus on American literature.

COURSE DESCRIPTION: In AP English Language and Composition, students cultivate their understanding of writing and rhetorical arguments through reading, analyzing, and writing texts as they explore topics like the rhetorical situation, claims and evidence, reasoning and organization, and style. The focus of AP Language and Composition is the study of rhetoric in nonfiction texts. Therefore, we will be studying a multitude of nonfiction texts including famous speeches, excerpts from memoirs, songs, personal and academic essays, news articles and editorials, and more. Students will have the opportunity to take an AP English Language & Composition exam in the spring to earn one semester (3 hours) of college credit in English. Families are responsible for the additional cost of this optional exam. **You may receive credit at your chosen university/college; if appropriate end of semester criteria are met.

English 12

Course **#ENG12** Grade 12 1 Credit Year Course

PREREQUISITE: Three years of English

AIM OF COURSE: To expand writing, reading, and communication skills for students who desire to attend a junior college, technical school, or enter the working world.

COURSE DESCRIPTION: In this class, students will practice their communication skills, as well as develop their critical thinking and analytical abilities. They will read a variety of fiction and nonfiction texts and complete writing tasks designed to expand their skills in order to further develop academic and real-world applications.

AP English Literature 12*

Course **#APENG12** Grade 12 1 Credit Honors Course Year Course

PREREQUISITE: English 9, 10, 11

AIM OF COURSE: To expand writing skills for the above average English student whose desire is to attend a four year college.

COURSE DESCRIPTION: AP Literature is a Senior course designed to stimulate a college-level study of American and World Literature. Students taking this course will have the opportunity to earn college credit by taking the AP Literature and Composition Exam. In this class, we will read and analyze a set of literary works in order to prepare for the AP Exam, as well as gain an understanding and appreciation of literature. The text set of this class consists of both literary classics and contemporary works; core skills include reading fiction, literary analysis through writing and discussion, and drawing connections between texts and the world.

Journalism

Course **#JOURN** Grade 10-12 1 Credit Year Course

PREREQUISITE: English 10, (or 11) with a "3"

AIM OF COURSE: This course gives students the opportunity to explore more real-life writing techniques while also diving into media literacy, a crucial skill to develop in the digital age.

COURSE DESCRIPTION: Take "Connected" to a new level by putting students at the center of projects that reach the student body, parents, and the community. In this class, we will create a cohesive online presence to showcase DCMHS excellence through social media and a digital newspaper.

Modern Literature

Course **#MODLIT** Grade 10-12 ½ Credit Semester Course

PREREQUISITE: None

AIM OF COURSE: To allow students to delve into contemporary novels and popular authors. This course will not count for English graduation requirement, it is an elective.

COURSE DESCRIPTION: This class is designed for the student who enjoys reading. This course will offer students a variety of texts, the practice of writing about literature, and the chance to work cooperatively with other students. The assignments designed for this course include not only the reading of contemporary novels, but also written work, projects, and the chance to view critical analysis of some contemporary novels. The difference between the written word and the art of film will also be analyzed.

Creative Writing

Course **#CRWR** Grade 10-12 ½ Credit Semester Course

PREREQUISITE: None

AIM OF COURSE: To allow students to develop and strengthen their writing skills in different genres and for different audiences. This course will not count for English graduation requirement, it is an elective.

COURSE DESCRIPTION: This course explores various types of creative writing–playwriting, fiction, memory, and poetry. Over the course of the semester, you'll work on both short and long creative assignments, with the goal of creating one long, formal polished project by the end. We will produce a product for publication, either a bound volume or published digitally and distributed online. Much emphasis will be placed on discipline writing, the rewriting and editing process, and on experimenting with different forms of creative expression. Additionally, there are a number of national contests and writing competitions that you can participate in, potentially winning prizes or even cash for yourself and the school.

Mathematics

Graduation Requirement: 3 credits (3 years)

Key: Y Year long
S Semester long course
\+ Graduation requirement
* Honors/weighted course

Course	Prerequisite	Term Length	Grade			
			9	10	11	12
Algebra 1+	None	Y	X			
Accelerated Algebra 1+	Recommendation of 8th grade Math teacher	Y	X			
Geometry +	Algebra 1	Y		X		
Accelerated Geometry +	"3" or better in Accelerated Algebra 1 or "3" or better in Algebra 1 with teacher recommendation	Y		X		
Algebra 2	Geometry	Y			X	
Accelerated Algebra 2 +	"3" or better in Accelerated Algebra, Concurrent enrollment or a 3 in Accelerated Geometry And teacher recommendation	Y			X	
Trigonometry *	**Juniors**: "3" in Geometry & teacher recommendation **Seniors**: "3" in Algebra 2 & teacher recommendation	S			X	X
Statistics	**Juniors**: "3" in Geometry & teacher recommendation **Seniors**: "3" in Algebra 2 & teacher recommendation	S			X	X
Quantitative Literacy Statistics (QL Stats)	Algebra 2 and teacher recommendation.	S				X
PreCalculus*	"3" or better in Algebra 2 and Trigonometry, & a teacher recommendation	S				X
Dual Credit Calculus*	"3" or better in PreCalculus	S				X

Math Considerations

- Students should consider their post-high school education plans when choosing their mathematics sequence. Students planning to attend college should take four years of math.
- It is recommended that if a student fails the first semester of a mathematics course he/she drop the course and retake the course during the following year or retake 1st semester in a credit recovery program. Students who pass the first semester but fail the second semester of any mathematics course must retake the 2nd semester during summer school..
- course he/she drop the course and retake the course during the following year or retake 1st semester in a credit recovery program. Students who pass the first semester but fail the second semester of any mathematics course must retake the 2nd semester during summer school.

Algebra 1

Course **#ALG1** Grade 9-10 1 Credit Year Course

PREREQUISITE: 8th Grade Math - A TI-83 or TI-84 calculator will be required.

AIM OF COURSE: Math to develop the skills and concepts of common core Algebra.

COURSE DESCRIPTION: In this course students will build understanding of the following modules: Searching for Patterns, Exploring Constant Change, Investigating Growth and Decay, Describing Distributions, and Maximizing and Minimizing. Each module will include teacher instruction, student problem solving, and MATHia for individual learning.

Accelerated Algebra 1

Course **#ACALG1** Grade 9-10 1 Credit Year Course

PREREQUISITE: 8th Grade Math - A TI-83 or TI-84 calculator will be required.

AIM OF COURSE: Math to develop the skills and concepts of common core Algebra.

COURSE DESCRIPTION: In this course students will build understanding of the following modules: Searching for Patterns, Exploring Constant Change, Investigating Growth and Decay, Describing Distributions, and Maximizing and Minimizing. Each module will include teacher instruction, student problem solving, and MATHia for individual learning. ***This course will move at an accelerated pace with the intention of addressing more content.***

Geometry

Course **#GEOM** Grade 10-11 1 Credit Year Course

PREREQUISITE: Algebra 1 - A TI-83 or TI-84 calculator will be required.

AIM OF COURSE: Math to develop the skills and concepts of common core Geometry.

COURSE DESCRIPTION: In this course students will build understanding of the following modules: Reasoning with Shapes, Establishing Proof, Investigating Proportionality, Connecting Geometric and Algebraic Descriptions, and Making Informed Decisions. Each module will include teacher instruction, student problem solving, and MATHia for individual learning.

Accelerated Geometry

Course **#ACGEOM** Grade 10-11 1 Credit Year Course

PREREQUISITE: Algebra 1 - A TI-83 or TI-84 calculator will be required.

AIM OF COURSE: Math to develop the skills and concepts of common core Geometry.

COURSE DESCRIPTION: In this course students will build understanding of the following modules: Reasoning with Shapes, Establishing Proof, Investigating Proportionality, Connecting Geometric and Algebraic Descriptions, and Making Informed Decisions. ***This course will move at an accelerated pace with the intention of addressing more content.*** Each module will include teacher instruction, student problem solving, and MATHia for individual learning.

Algebra 2

Course **#ALG2** Grade 11-12 1 Credit Year Course

PREREQUISITE: Geometry **- A TI-83 or TI-84 calculator will be required.**

AIM OF COURSE: To focus on specific Standards for Mathematical Content that pertains to Algebra 2.

COURSE DESCRIPTION: In this course students will build understanding of the following modules: Analyzing Structure, Developing Structural Similarities, Inverting Functions, Investigating Periodic Functions, Relating Data and Decisions. Each module will include teacher instruction, student problem solving, and MATHia for individual learning.

Accelerated Algebra 2

Course **#ACALG2** Grade 11-12 1 Credit Year Course

PREREQUISITE: Geometry **- A TI-83 or TI-84 calculator will be required.**

AIM OF COURSE: To focus on specific Standards for Mathematical Content that pertains to Algebra 2.

COURSE DESCRIPTION: In this course students will build understanding of the following modules: Analyzing Structure, Developing Structural Similarities, Inverting Functions, Investigating Periodic Functions, Relating Data and Decisions.

Each module will include teacher instruction, student problem solving, and MATHia for individual learning. ***This course will move at an accelerated pace with the intention of addressing more content.***

Trigonometry *

Course **#TRIG** Grade 11 or 12 ½ Credit Semester Course

PREREQUISITE: For juniors*** a 3 or above in Geometry *and* must have a teacher recommendation and for seniors a 3 or above in Algebra 2 or a "2" with teacher recommendation. A TI-83 or TI-84 calculator will be required.
*****If you are a Junior and are not in the accelerated Algebra 2 class, you can only take Trigonometry during second semester.**

AIM OF COURSE: This semester elective presents specific and in-depth Trigonometric information for a college bound student.

COURSE DESCRIPTION: This course is designed to cover the basic trigonometric concepts to set a good foundation for Calculus or for the start of their college career. Concepts covered include the unit circle, radian measure, trig equations, and identities and properties of trigonometry, as well as techniques of graphing.

Statistics

Course #**STATS** Grade 12 ½ Credit Semester Course

PREREQUISITE: For Seniors: a 3 or above in Algebra 2 or "2" with teacher recommendation. A TI-83 or TI-84 calculator will be required.

COURSE DESCRIPTION: This course is designed to supplement the math foundation for students for the start of their college career. Concepts covered include general statistics

and probability, including population studies, random samples, measures of central tendency, standard deviation, and techniques of graphing.

Quantitative Literacy/Statistics

Course #**QLSTATS** Grade 12 ½ Credit Semester Course

PREREQUISITE: This class is For Seniors Only. A graphing calculator will be required. This class is by nomination only based on ACCUPLACER math scores or teacher recommendation.

COURSE DESCRIPTION: A transitional math class in accordance with the Postsecondary Workforce Readiness Act (PWRA). Seniors who did not or would not place into College Algebra at a 2 or 4 year college may take this class. If a C or better is earned, the 2 yr college will recognize the achievement and place the student directly into College Algebra (no prerequisite at the college level will be needed). Topics covered will include: Personal Finance; Statistics in everyday life; Analyzing and Optimizing the world: and Math in decision making. Topics are presented using real world applications and group learning projects.

Precalculus*

Course#**PRECAL** Grade 12 ½ credit, Honors Course Semester Course

PREREQUISITE: "3" or above in Algebra 2, "3" or above in Trigonometry, and a teacher recommendation. A Texas Instrument TI-84 Plus graphing calculator is recommended for the course.

COURSE DESCRIPTION: Precalculus is an honors course designed to prepare students for Calculus. The course focuses heavily on advanced algebra and simplifying algebraic expressions; polynomial functions; and exponential & logarithmic functions.

Dual Credit ICC Calculus*

Course# **ICDCALC** Grade 12 ½ credit, Honors Course Semester Course

PREREQUISITE: "3" or above in PreCalculus. A Texas Instrument TI-84 Plus graphing calculator is recommended for the course.

COURSE DESCRIPTION: The Dual Credit Calculus course is designed to be the equivalent of a one semester college level calculus course. This course includes such topics as slopes, functions, limits of functions, derivatives and applications of derivatives, integration, the definite integral, areas and volumes of curves and solids, as well as a review of trigonometry, and geometric and algebraic concepts. Cost to students is a $50.00 fee to ICC and the cost of the textbook (waivers possible for students with free and reduced lunch) in addition to taking and placing appropriately on the ICC ACCUPLACER test.

Science

Graduation Requirement: 2 credits (2 years: 1 Life Science, 1 physical science)

Key: Y Year long
S Semester long course
\+ Graduation requirement
* Honors/weighted course

Course	Prerequisite	Term Length	Grade			
			9	10	11	12
Life Science	Must ***not*** have passed Biology 1	Y	X			
Biology 1	Junior high grades, teacher recommendation, Fastbridge Scores	Y	X	X	X	X
General Science	Taken and passed Life Science or Biology. Must ***not*** have passed Chem 1 or Physics.	Y		X	X	
Chemistry 1	Algebra 1 with a "2" or better AND Biology with a "2" or better OR Life Science with a "4" AND teacher approval	Y		X	X	X
Environmental Science	Teacher Approval	Y			X	X
Biology 2 *	Biology 1 & Chemistry 1 with a "3" or better. Sophomores may only enroll if Chemistry 1 is taken concurrently	Y		X	X	X
AP Biology *	"3" or better in Biology 1, Chemistry 1, Algebra 1 and Geometry	Y			X	X
Chemistry 2 *	"3" or better in Chemistry 1 and Algebra 1	Y			X	X
Physics	A "3" or better in Algebra 1, Geometry, and Algebra 2	Y				X

Life Science

Course **#LIFESCI** Grade 9 1 Credit Year Course

PREREQUISITE: Recommendation from junior high teachers, junior high grades, FastBridge scores

AIM OF COURSE: To present an introduction to the life sciences and fundamental biological concepts. This fulfills the Life Sciences credit.

COURSE DESCRIPTION: This introductory course is a study of the fundamentals of life, with emphasis on cell biology, genetics, classification, and ecology. Students will explore concepts through hands-on, group and independent classwork.

Biology 1

Course **#BIO1** Grade 9 – 10 1 Credit Year Course

PREREQUISITE: Recommendation from Junior High Teachers, Junior high grades, Fastbridge scores

AIM OF COURSE: To present an introduction to the biological sciences and fundamental biological concepts, in preparation for college readiness. This fulfills the Life Sciences credit.

COURSE DESCRIPTION: This course is a study of the fundamentals of life including the structural, functional, and chemical basis of life. Molecular biology, cell reproduction, genetics, ecology, natural selection, and classification are taught. Moral and bioethical issues as well as environmental concerns will be studied with an emphasis on discovery, laboratory work, and dissection.

General Science

Course **#GENSCI** Grade 10 1 Credit Year Course

PREREQUISITE: None

AIM OF COURSE: To introduce students to the fundamentals of chemistry, physics and earth science. This fulfills the physical sciences credit.

COURSE DESCRIPTION: This introductory course of basic physical and chemical concepts emphasizes applications of questioning and examining the physical world, using inferences for large or small models, and making connections between the evidence we can gather and the structure and behavior of the physical world. A calculator is required for this course.

Chemistry 1

Course **#CHEM1** Grade 10-12 1 Credit Year Course

PREREQUISITE: Successful completion of Algebra 1 with a "2" or better and, Biology 1 with a "2" or better, OR Life Science with a "4" AND teacher approval.

AIM OF COURSE: To introduce the students to the fundamentals of the science of the role of mathematics in the study of chemistry. Lab experiments accompany units of study in order to prepare students for other lab sciences. This fulfills the physical sciences credit.

COURSE DESCRIPTION: Explore matter at the atomic and subatomic levels by looking at data and drawing inferences about the atomic/subatomic composition. There is a focus on science literacy and problem solving throughout the course. Nuclear and chemical reactions will be explored as well as a basis for chemical bonding and reactivity as it relates to periodicity.

Environmental Science

Course **#ENVSCI** Grade 11-12 1 Credit Year Course

PREREQUISITE: Teacher Recommendation

AIM OF COURSE: Introduce students to major ecological concepts and environmental problems.

COURSE DESCRIPTION: Students will learn about technological developments that have created environmental problems and how to solve them. The course will promote a deeper understanding of biodiversity, population dynamics, natural processes, and the effects that humans have on the environment around them. Topics include natural resources, energy flow, plant processes, and ways to improve the quality of life while preserving the environment.

Biology 2*

Course **#BIO2** Grade 10-11-12 1 Credit Year Course

PREREQUISITE: "3" or better in Biology 1. Sophomores may enroll ONLY when also enrolled in Chemistry I concurrently.

AIM OF COURSE: To provide the students with a detailed study of biology and to prepare them for future college biology courses.

COURSE DESCRIPTION: This course will include the study of biotechnology, forensics (with an investigation of a mock crime scene), and human anatomy and physiology, which includes the dissection of a fetal pig.

Advanced Placement (AP) Biology*

Course **#APBIO** Grade 11-12 1 credit/Honors Course Year Course

PREREQUISITE: "3" or better in *all* of the following: Biology I, Chemistry I, Algebra 1, and Geometry

AIM OF COURSE: The two main goals of AP Biology are to help students develop a conceptual framework for modern biology and an appreciation of science as a process. At the conclusion of this course, students may elect to take the College Board AP Biology exam to earn college credit for up to two semesters of biology. Families will be responsible for the additional cost of this optional AP Exam.

COURSE DESCRIPTION: The AP Biology course is designed to be the equivalent of a two-semester college introductory biology course usually taken by biology majors during their first year. It will focus on the following themes in biology: Science as a Process, Evolution, Energy Transfer, Continuity and Change, the Relationship of Structure to Function, Regulation, and Interdependence in Nature, Science, Technology, and Society. Students will apply the units of study to these themes in a series of advanced lab activities. An AP Biology exam is administered in the spring to allow students the opportunity to earn up to two semesters of college credit in biology. This rigorous course requires extensive time outside of class for projects, reading assignments, and homework. A calculator is required for this course.

Chemistry 2*

Course **#CHEM2** Grade 11-12 1 Credit, Honors Course Year Course

PREREQUISITE: Chemistry I and Algebra 1 with a "3" or better.

AIM OF COURSE: To develop proficiency and stronger math applications of the fundamental concepts of general chemistry. Typically students who are successful in second semester of Chemistry 1 will be successful in Chemistry 2.

COURSE DESCRIPTION: The major emphasis will be on solutions, colligative properties, chemical equilibrium, acid base equilibrium, thermochemistry, VESPER theory, thermodynamics, kinetics, and electrochemistry. There will be a focus on lab collaboration and experiment design as well as scientific communication skills. A great deal of mathematics is involved in this course. A scientific calculator is required.

Physics

Course **#PHYS** Grade 12 1 Credit, Honors Course Year Course

PREREQUISITE: A "3" or better in Algebra 1, Geometry, and Algebra 2

AIM OF COURSE: To develop proficiency and stronger mathematical application of the fundamental concepts of general physics. Typically students with a high mathematical aptitude will be successful.

COURSE DESCRIPTION: The course includes topics of kinematics, vectors, force, momentum, energy, gravity, waves, electricity, and magnetism.. Emphasis is placed on problem solving, laboratory work and analysis. A great deal of mathematics is involved in this course. A scientific calculator is required.

Social Studies

Graduation Requirement: 2 credits (2 years)
U.S. History and Civics

Key: Y Year long
S Semester long course
+ Graduation requirement
* Honors/weighted course

Course	Prerequisite	Term Length	Grade			
			9	10	11	12
World History	None	Y	X	X	X	X
Geography	None	S	X	X	X	X
Civics +	None	Y	X	X	X	X
U.S. History +	Civics	Y			X	
Psychology	None	S			X	X
Sociology	None	S			X	X
Contemporary Issues	Civics/U.S. History	S				X

World History

Course **#WOHIST** Grade 9 – 12 1 Credit Year Course

PREREQUISITE: None

AIM OF COURSE: Help students understand the importance of the world community.

COURSE DESCRIPTION: This course is a study of world history from prehistoric to contemporary issues. Students will learn about the socio-economic, political, and ideological conditions of various time periods as they study historical events and cultural achievements of world regions.

Geography

Course **#GEOG** Grade 9 - 12 ½ Credit Semester Course

PREREQUISITE: None

AIM OF COURSE: To enrich students' understanding of a changing, complex and increasingly interdependent world.

COURSE DESCRIPTION: The five fundamental themes of geography are taught first to allow the students the tools of geographical analysis. These themes are: Location, Place, Region, Human and Environmental Interaction, and Movement. Since geography is cross-curricular, this course will offer a variety of topics. Political, Physical, and Cultural Geography will all be studied in order for the students to understand more about the world.

Civics

Course **#CIVICS** Grade 9-12 1 Credit Year Course

PREREQUISITE: None

AIM OF COURSE: To help develop habits which will lead to an informed active citizenry and thus strengthen our American way of life. **GRADUATION REQUIREMENT –Civics will include the state-mandated Constitution test.**

COURSE DESCRIPTION: The areas of study are: (1) to develop skills in thinking, studying, and learning related to decision making as a citizen; (2) to create interest in civics and civic related activities; (3) to develop an understanding of the students' role as a person, student, family member, and citizen in the community, United States, and the world; and, (4) to develop an understanding of the place on the United States in the contemporary world. This course does not repeat the study of the U. S. government taught in the eighth grade.

U.S. History

Course #**USHIST** Grade 11 1 Credit Year Course

PREREQUISITE: Civics

AIM OF COURSE: To provide students with an understanding and appreciation of the development of American ideals. Knowing those ideals will enable students to serve the United States as participating citizens. **GRADUATION REQUIREMENT**

COURSE DESCRIPTION: In US History students will study the political, geographical, social, military, and economic history of the United States of America. The scope of this course will span from the first human settlement of the continent through the end of the Cold War. Students will explore this time period through the use of primary sources and the secondary interpretations created from them to gain a better understanding of the nation and its place in the world we live in today.

Psychology

Course **#PSYCH** Grade 11 – 12 ½ Credit Semester Course

PREREQUISITE: None

AIM OF COURSE: The aim of this course is to help students understand the nature of individual behavior and how and why humans learn, think, and react as they do to "normal" and sometimes "abnormal" situations.

COURSE DESCRIPTION: Psychology will look at current and historical methodologies, theories, and concepts as they relate to individual behavior by studying learning, memory, research techniques, and individual identity. Students will learn about the biological, psychological, and sociocultural factors that influence how people act and respond to events through the use of written material, in class discussion, and designing psychological research.

Sociology

Course **#SOC** Grade 11 -12 ½ Credit Semester Course

PREREQUISITE: None

AIM OF COURSE: To make students aware of the complex social patterns of our society and the impact of social relationships on their lives.

COURSE DESCRIPTION: Sociology presents a study of human relationships and provides practical information useful to students. Emphasis is on adolescence/ socialization; institutions such as family, education, and religion; and the impact of the social stratification on our society. Students learn to see interdependence and view the social order as a system where events in one part have repercussions in others.

Contemporary Issues

Course **#CTMISS** Grade 12 ½ Credit Semester Course

PREREQUISITE: Civics or World History and U.S. History (intended for college bound students)

AIM OF COURSE: Help students to understand the dynamics of the social, economic, and political issues of the twenty-first century.

COURSE DESCRIPTION: Contemporary Issues is a project based class organized around themes central to our daily lives. Students will be asked to research and share their findings on topics of their choice as they relate to the current theme that is being explored. The six themes that will be used to frame this class are

beauty and aesthetics, contemporary life, families and communities, global challenges, personal and public identities, and science and technology.

Foreign Language

Graduation Requirement: 1 credit (1 year) of either Foreign Language, Music, Art, or Vocational Education

Key: Y Year long
S Semester long course
\+ Graduation requirement
* Honors/weighted course

Course	Prerequisite	Term Length	Grade			
			9	10	11	12
Spanish 1	None	Y	X	X	X	X
Spanish 2	Spanish 1 with a grade of "2" or better, and/or teacher recommendation.	Y		X	X	X
Spanish 3 *	Spanish 2 with a "3" or better AND teacher recommendation	Y			X	X
Spanish 4 *	Spanish 3 with a "3" or better AND teacher recommendation	Y				X

Spanish 1

Course **#SPAN1** Grade 9 – 12 1 credit Year Course

PREREQUISITE: None

AIM OF COURSE: To develop basic skills in reading, writing, listening, and speaking Spanish. Students will also begin to explore the cultures of Spanish-speaking countries.

COURSE DESCRIPTION: This course will enable students to become familiar with reading, writing, speaking, and listening to Spanish. Basic vocabulary and grammar will be introduced. Topics include information such as greetings, weather and time expressions, families, food and ordering in a restaurant, describing yourself and others, and school activities/hobbies. Cultural awareness and language skills are practiced and obtained through various in class activities.

Spanish 2

Course **#SPAN2** Grade 10 - 12 1 Credit Year Course

PREREQUISITE: Spanish 1 with a grade of "2" or better, and/or teacher recommendation.

AIM OF COURSE: Students will continue to develop Spanish skills in listening, speaking, reading, writing. Various aspects of culture will also continue to be explored.

COURSE DESCRIPTION: This course is designed to build proficiency in understanding, speaking, reading, and writing in Spanish. Oral proficiency is developed through classroom presentations, conversations, and speaking games. The written aspects of language are intensified by using more complex grammatical concepts, such as: using object pronouns, talking about activities in the past, talking about ongoing events, and giving commands. Topics include the home, shopping, travel, and preparing for special events. Cultural awareness and language skills are practiced and obtained through various in class activities.

Spanish 3*

Course **#SPAN3** Grade 11 – 12 1 Credit, Honors Course Year Course

PREREQUISITE: Spanish 2 with a "3" or better AND with teacher recommendation.

AIM OF COURSE: To further enhance skills in listening, speaking, reading, writing, and cultural areas of Spanish.

COURSE DESCRIPTION: Advanced grammatical, conversational, reading, and writing skills are developed through the use of conversations, skits, games, videos, music, presentations, short stories, excerpts from novels, and projects. Cultural topics include food, music, holidays, and folk stories.

Spanish 4*

Course **#SPAN4** Grade 12 1 Credit, Honors Course Year Course

PREREQUISITE: Spanish 3 with a "3" or better AND with teacher recommendation.

AIM OF COURSE: To develop advanced skills in the four skill areas and to probe Hispanic cultural areas more extensively.

COURSE DESCRIPTION: Advanced grammatical, conversational, reading, and writing skills are developed through the use of conversations, skits, games, videos, music, presentations, short stories, excerpts from novels, and projects. Cultural topics include food, music, holidays, and folk stories.

Fine Arts

Graduation Requirement: 1 credit (1 year) of either Foreign Language, Music, Art, or Vocational Education

Key:
- Y Year long
- S Semester long course
- \+ Graduation requirement
- * Honors/weighted course

Course	Prerequisite	Term Length	Grade			
			9	10	11	12
Band (may repeat)	Junior High/HS experience preferred	Y	X	X	X	X
Choir (may repeat)	Junior High/HS experience preferred	Y	X	X	X	X
Piano Methods (may repeat)	None	Y	X	X	X	X
Introduction to Visual Art	None	Y	X	X	X	X
Intermediate Art	Introduction to Visual Art	Y		X	X	X
Advanced Art	Intermediate Art	Y			X	X
Digital Art	Introduction to Visual Art	Y		X	X	X
Portfolio Art	Any Advanced Art course & Teacher recommendation	Y				X
Media Production/ Yearbook	None	Y		X	X	X

Band

Course **#BAND** Grade 9 – 12 1 Credit Year Course

PREREQUISITE: Previous band experience or director approval. Band may be taken more than once.

AIM OF COURSE: Explore creative expression through instrumental performance and musical knowledge.

COURSE DESCRIPTION: Band is designed to expose students to performance while gaining musical knowledge in areas such as music theory and history. The first nine-ten weeks of the school year are devoted to the marching band season. There is a mandatory marching band camp that is held before school starts in the summer. The rest of the year, students participate in both concert (2-3 performances) and pep band (about 6 performances) performances. In band, students have the opportunity to learn self-discipline, responsibility, hold leadership positions, and learn to serve their school and community through music. Band is a co-curricular class and follows the established activity code.
This is considered a co-curricular activity, and as such falls under the Activity Code, including a $35.00 activity fee. Individuals who do not follow the Activity Codes' guidelines will not be allowed to perform in IHSA, or conference activities.

Choir

Course **#CHOIR** Grade 9 – 12 1 Credit Year Course

PREREQUISITE: Previous choir experience or director approval. May be taken more
than once.

AIM OF COURSE: To explore creative musical expression through vocal knowledge and performance.

COURSE DESCRIPTION: Students develop vocal musicianship skills within the context of a choral ensemble in which they perform a variety of styles of repertoire. Choir is designed to develop independent singers through knowledge of music theory, music history, vocal technique, ensemble skills, and reflection. Choir performances include the Veteran Appreciation concert, holiday concert, spring concert, baccalaureate, graduation, Memorial Day, and specified home athletic events. Small ensembles and solo opportunities are offered at IHSA solo/ensemble contest. Other performance opportunities are ILMEA auditions and district choir and the HOI conference music festival.
This is considered a co-curricular activity, and as such falls under the Activity Code, including a $35.00 activity fee. Individuals who do not follow the Activity Codes' guidelines will not be allowed to perform in IHSA or conference activities.

Piano Methods

Course #PIMETH Grade 9-12 .5 Credit Semester Course

PREREQUISITE: None

AIM OF COURSE: Explore musical performance through learning how to play the piano.

COURSE DESCRIPTION: Piano class is an introductory course designed to develop foundational skills in piano performance, music theory, and music literacy. Students will learn proper piano technique, how to read and interpret sheet music, and gain familiarity with essential piano repertoire. No prior music experience is required, and all levels of piano players are welcome. By the end of the course, students will be able to identify and play all keys on the piano, understand musical notation and rhythm, and begin learning piano pieces independently outside of class.

Introduction to Visual Art

Course **#INTART** Grade 9-12 1 Credit Year Course

PREREQUISITE: None

AIM OF COURSE: To introduce students to foundational concepts for making and understanding art.

COURSE DESCRIPTION: This course focuses on visual art and design fundamentals. Students will maintain a sketchbook for planning and practice assignments. The emphasis of this class will be building basic studio art techniques in drawing, painting, sculpture, and ceramics. Students will make personal and art historical connections in their projects.

Intermediate Art

Course **#2DART** Grade 10-12 1 Credit Year Course

PREREQUISITE: Introduction to Visual Art

AIM OF COURSE: To continue students' development of art concepts for making and understanding art.

COURSE DESCRIPTION: This course focuses on improving techniques in a variety of studio art media. The emphasis of this class will be on experimenting with new methods in 2D and 3D art projects. Students will make personal and art historical connections in their projects.

Digital Art

Course **#DIGART** Grade 10-12 1 Credit Year Course

PREREQUISITE: Introduction to Visual Art

AIM OF COURSE: To introduce students to foundational concepts for making and understanding digital art and graphic design.

COURSE DESCRIPTION: This course focuses on creating digital art and graphic design using computer software as well as digital cameras and equipment. Students will maintain a portfolio of digital work including photography, video, and digital graphics. The emphasis in this class will be developing work flow and personal style in response to project prompts while learning digital editing software.

Advanced Art

Course **#ADVART** Grade 11-12 1 Credit Year Course

PREREQUISITE: Intermediate Art

AIM OF COURSE: To offer instruction on advanced level art techniques and topics in visual art.

COURSE DESCRIPTION: This course focuses on creating visual art with independently generated concepts by the student. The emphasis of this class will be refining art techniques in a variety of media and developing personal style through choice based projects. Students further develop personal and art historical connections in their projects.

Portfolio Art

Course **#PORTFOL** Grade 12 1 Credit Year Course

PREREQUISITE: Advanced Art Course & Instructor Approval. Portfolio Art may be taken more than once.

AIM OF COURSE: To refine students' personal artistic style and develop a portfolio of visual artwork.

COURSE DESCRIPTION: This course focuses on developing a portfolio of artwork demonstrating breadth of ability and deeper focus on student generated ideas. The emphasis of this class will be refining appropriate skills and techniques while

managing time constraints. Students will make personal and art historical connections in their projects and look for opportunities to display their artwork outside of school.

Media Production/Yearbook

Course **#YRBK** Grade 10-12 1 Credit Year Course

PREREQUISITE: None

AIM OF COURSE: To provide the student with more advanced knowledge of computer desktop publishing software. In this class, students produce a product in the form of the school yearbook, which is sold to the student population.

COURSE DESCRIPTION: Advanced instruction in desktop publishing will result in producing documents that are ready for final publication. There is a lot of hard work required, and many hours outside of the school day throughout the year. **This class will REQUIRE outside of school hours.**

Physical/Health/Safety

Graduation Requirement: 4 credits in P.E. and ½ credit in Health

Key: Y Year long
S Semester long course
\+ Graduation Requirement

Course	Prerequisite	Term Length	Grade			
			9	10	11	12
Athletic P.E.	4 in PE (3 w/teacher recommendation) semester prior	S	X	X	X	X
Physical Education (P.E.) +	None	S	X	X	X	X
Health +	None	S	X	X	X	X
Drivers Education	Must be aged 15 by the cut date assigned and must have passed 8 semester classes prior to beginning of class.	S	X	X		

Health

Course **#HEALTH** Grade 9-12 ½ Credit Semester Course

PREREQUISITE: None

AIM OF COURSE: To develop an awareness of the human body and the problems associated with adolescence to assure physical, mental and social health throughout life. **GRADUATION REQUIREMENT**

COURSE DESCRIPTION: Major topics covered will be health history, current statutes, mental health, nutrition, substance abuse, and sex education. Incorporated within these topics are the related areas of physical fitness, STDs, first aid, consumer health, personal health, and safety. Please contact the school at the beginning of the semester if you do not want your child to participate in the sex education unit, an alternate assignment will be given. This course is designed to satisfy the State's requirements for health and meet the mandates of the Health Education Act.

Physical Education (P.E.)

Course **#PES1/PES2** Grade 9 – 12 ½ Credit Semester Course

PREREQUISITE: None

AIM OF COURSE: To develop mental, social, and emotional awareness as well as physical skills and physical fitness.

COURSE DESCRIPTION: Physical Education will be taught in units with emphasis on physical conditioning and fitness, rules, skills, team building and cooperation, and knowledge of lifelong fitness attributes. Grading will be based on the student's participation, and written and skill tests. The units include Walking, Football, Volleyball, Speedball, Ultimate Frisbee, Eclipse Ball, Fitness for Life, Pickleball, Badminton, Dodgeball, Softball and Aerobic conditioning.

Athletic Physical Education

Course **#ATHPES1/ATHPES2** Grade 9-12 ½ Credit Semester Course

PREREQUISITE: Must have a 4 (or 3 w/teacher recommendation) in PE the semester prior. Must have a PE teacher initial on the registration form. Must maintain a 3 to remain in athletic PE.

AIM OF COURSE: To provide intense physical training to enhance the student's fitness level both in season and during the off season. While not a sport specific class, the course will focus on cardiovascular fitness, agility, and strength and speed training. Male and female athletes are encouraged to enroll.

COURSE DESCRIPTION: The objective of this course is to give the student athlete a broad foundation for maximizing strength, endurance, and stamina. This class allows students to achieve their goals to become a competitive student athlete. The course will be offered to Seniors and Juniors first, and if slots remain sophomores and then freshmen may be admitted.

Drivers Education

Course **# DRED** Grade 10 ½ Credit Semester Course

The Driver Education fee for the high school is $250.00. An extra $20.00 fee is required for the Illinois Secretary of State for the Instructional Permit at the beginning of this course.

FLIPPED CLASS: The first possible date you are eligible to receive a permit is 30 days prior to the start of the semester you are registered for. At this moment you have one option to receive your official instruction permit. You will join our "flipped" classroom and study the Rules of the Road information on your own and take the State of Illinois permit test prior to starting the semester. This is a way to receive your permit early and start the mandated nine month timeframe established under the graduated licensing program. Flipped permit students are still enrolled as full-time driver education students and will take part in the in-person class during the spring semester.

Note: If you are NOT interested in the Dee-Mack Driver Education Program please contact your counselor or me as soon as possible.

PREREQUISITE: Must be 15 years old and meet the cut-off date. See registration sheets for exact dates for each semester. Students must have passed 8 academic courses during the prior 2 semesters. Enrollment in this course will depend upon available space and scheduling.

AIM OF THE COURSE: To provide training for students to obtain an instruction permit and to understand the laws and rules needed for driving safety.

COURSE DESCRIPTION: Classroom phase: Consists of a minimum of 30 hours of classroom instruction.

- Behind the wheel phase: Consists of a minimum of 6 hours of driving instruction and 50 hours of documented driving experience with a parent/guardian before becoming eligible for an Illinois State Driver License.
- The student must pass **BOTH** the classroom and the behind-the-wheel phase.]
- 4 general goals of the driver education program:
    - Create mastery for students in the rules of the road and the operation of a vehicle.
    - Develop habits that will assist students to become safe independent drivers.
    - Encourage an attitude toward driving and cooperation within the highway traffic control system.
    - Develop skills that will improve the student's decision-making skills.

ILLINOIS STATE REQUIREMENTS:

- 30 hours of classroom instruction
- 6 hours of behind the wheel instruction
- 50 hours of supervised driving with a parent or adult age 21 or older with a valid driver's license for 1 year. Ten hours are required at night.
- Students must hold a valid permit for **nine months** before receiving a driver's license.
- By state law, students must have passed 8 academic subjects during the previous 2 semesters to be eligible to enroll in Driver Education. (105 ILCS 5/27-24.2)

Family and Consumer Sciences

Key: Y Year long
S Semester long course
\+ Graduation Requirement

Course	Prerequisite	Term Length	Grade			
			9	10	11	12
Food and Nutrition 1	None	S	X	X	X	X
Food and Nutrition 2	Food 1	S	X	X	X	X
Foods 3 - Culinary Occupations	Food 2	S		X	X	X
Child Development/ Parenting	None	S	X	X	X	X
Child Care 1	None	S	X	X	X	X
Child Care 2	Child Care 1	S	X	X	X	X
Education 1	None	S	X	X	X	X
Education 2	Education 1	S	X	X	X	X

Foods & Nutrition 1

Course **#FOOD1** Grade 9-12 ½ Credit Semester Course

AIM OF COURSE: To show students certain procedures that should be followed for success in the preparation of food.

COURSE DESCRIPTION: This course is designed for students who want to learn more about the principles of cooking and nutrition and the applications of those principles. The topics to be covered include food preparation skills such as measuring, equipment, cooking techniques and knife skills; reading and understanding a recipe; safety and sanitation; proper nutrition; and baking. Individual food groups may also be covered during this course. Most of the units are reinforced with demonstrations and hands-on laboratory experiences.

Foods & Nutrition 2

Course **#FOOD2** Grade 9-12 ½ Credit Semester Course

PREREQUISITE: Must have a passing grade in Foods & Nutrition I

AIM OF COURSE: To continue to build on skills learned in Foods 1 and advance practical applications of food preparation techniques.

COURSE DESCRIPTION: This course is for students to learn advanced food principles and preparation techniques. Individual food groups will continue to be taught from where Foods 1 left off at. Regional and international cooking will be explored where students have a choice of the recipes they would like to prepare during laboratories and demonstrations. Desserts, including cookie and cake decorating will also be explored. Most of the units are reinforced with demonstrations and hands-on laboratory experiences.

Foods 3 - Culinary Occupations

Course **#FOOD3** Grade 10-12 ½ Credit Semester Course

PREREQUISITE: Must have a passing grade in Foods & Nutrition 2

AIM OF COURSE: To provide practical experiences needed for the development of culinary workplace skills.

COURSE DESCRIPTION: Through classroom and laboratory experiences, the topics explored will be working in the front of the house, back of the house, and workstations as well as event planning, customer service and relations, food service styles, baking and pastry arts, hors d'oeuvre, and breakfast cookery. Safety and sanitation instruction and classroom application will prepare students for an industry recognized sanitation exam.

Child Development

Course **#CHIDEV** Grade 9-12 ½ Credit Semester Course

PREREQUISITE: None

AIM OF COURSE: To understand the different domains of child development from birth to school-age as well as research-based nurturing and parenting practices and skills, including brain development research, that support positive development of children.

COURSE DESCRIPTION: In this course the intellectual, physical, social-emotional, and language domains of child development are explored from infancy through school-age. It also addresses the knowledge, skills, attitudes, and behaviors

associated with supporting and promoting the optimal growth and development of infants and children. Other topics include health issues, nutrition, safety, guidance, learning in relationships, family and community, and careers. By taking this course, students can earn the Level One Early Childhood Education Credential which will allow them to access a state-funded scholarship should they choose to study Child Development or Early Childhood Education in college. Students will also be assigned to an infant simulator over a weekend that they must care for as practice for the realities of parenting.

Child Care 1 – Care and Learning Services Occupations

Course **#CHCR1** Grade 9-12 ½ credit Semester Course

PREREQUISITE: None

AIM OF COURSE: To provide hands-on, practical, and theoretical experiences working with children while developing competencies related to working with children, daycare, and other child care services occupations.

COURSE DESCRIPTION: In this course, students will operate a preschool program within the high school classroom. Young children from the community will receive care and teaching from high school students within a structured environment that puts the needs of the young children first. Course content includes projects to develop an understanding of preparing curriculum, preparing the environment, developmental theorists, and developing guidance skills

Students will develop standards-based lessons and assist the children with activities. Classroom study includes the philosophy and management of child care centers and home daycares.

Child Care 2 – Care and Learning Services Management

Course **#CHICR2** Grade 9-12 ½ credit Semester Course

PREREQUISITE: Child Care 1

AIM OF COURSE: To continue to provide hands-on, practical, and theoretical experiences working with children while gaining an understanding of requirements for working in Early Care and Education, Child Development, and other fields that involve working with children.

COURSE DESCRIPTION: In this course, students will operate a preschool program within the high school classroom. Young children from the community will receive care and teaching from high school students within a structured environment that puts the needs of the young children first. Course content includes projects to develop an understanding of workplace communication, human relations, state

licensing and regulation requirements, and service needs of clients in early care and education.

Education 1 – Introduction to Education

Course **#EDU1** Grade 9-12 ½ credit Semester Course

PREREQUISITE: None

AIM OF COURSE: To provide hands-on, practical, and theoretical experiences working with children while introducing students to the principles underlying teaching and learning, responsibilities and duties of teachers, and strategies and techniques to deliver knowledge and information.

COURSE DESCRIPTION: In this course, students will operate a preschool program within the high school classroom. Young children from the community will receive care and teaching from high school students within a structured environment that puts the needs of the young children first. Course content includes projects to develop an understanding of effective teacher attributes, philosophies of education, educational settings challenges, and the historical background of American education.

Education 2 – Managing the Learning Environment

Course **#EDU2** Grade 9-12 ½ credit Semester Course

PREREQUISITE: Education 1

AIM OF COURSE: To continue to provide hands-on and practical experiences working with children while presenting best practices in classroom and behavior management.

COURSE DESCRIPTION: In this course, students will operate a preschool program within the high school classroom. Young children from the community will receive care and teaching from high school students within a structured environment that puts the needs of the young children first. Course content includes projects to develop an understanding of classroom discipline and management, motivational theory, learners with special needs, and students at risk.

Industrial Technology Courses

Graduation Requirement: 1 credit (1 year) of either Foreign Language, Music, Art, or Vocational Education

Key: Y Year long
S Semester long course

Course	Prerequisite	Term Length	Grade			
			9	10	11	12
Introduction to Drafting	None	S	X	X	X	X
Introduction to Metals/Woods	None	S	X	X	X	X
Mechanical Drafting	Introduction to Drafting	S		X	X	X
Architectural Drafting	Introduction to Drafting	S		X	X	X
General Metals/Welding	Introduction to Metals/Woods	S		X	X	X
Machine Woodworking	Introduction to Metals/Woods	S		X	X	X
Advanced Metals	Introduction to Metals/Woods, General Metals/Welding, AND a “2” or better in Geometry	S				X
Advanced Shop Technology	Machine Woodworking OR General Metals/Welding	S				X
Computer Aided Design and Drafting (CAD)	Mechanical Drafting OR Architectural Drafting	S			X	X

Introduction to Drafting

Course**#INTDRAF** Grade 9 – 12 ½ Credit Semester Course

PREREQUISITE: None

AIM OF COURSE: To introduce the student to the procedures needed to enter the field of design and drafting.

COURSE DESCRIPTION: This course is a prerequisite to all other industrial education Drafting courses. It includes nine weeks of Mechanical drafting and nine weeks of Architecture. The introduction to mechanical drafting includes care and use of drafting instruments, the study and drawing of blueprint type drawings, 3-view drawings, scale drawings, geometric construction, and information dealing with drafting occupations. Students will be able to design, build and test balsa wood bridges in a cooperative group setting. Architecture includes 2 small floor plans and a Dream House plan.

Introduction to Metals/Woods

Course **#INTMW** Grade 9 – 12 ½ Credit Semester Course

PREREQUISITE: None

AIM OF COURSE: To orientate students to the world of woodworking, give them an applied basic use of woodworking and metal skills.

COURSE DESCRIPTION: This course will include general woodworking including the care and use of basic hand tools, the Radial Arm Saw, Table Saw, Jointer, Planer, Band Saw, Disc Sander, Miter Saw, Router and various small power tools, shop safety, and project finishing techniques used today. The student completes several wood projects. General metals will include information, practical experience, and applications in the area of metalworking. Major areas covered are bench metal occupations, and sheet metal.

General Metals/Welding

Course **#GENMET** Grade 10 – 12 ½ Credit Semester Course

PREREQUISITE: Introduction to Metals/Woods

AIM OF COURSE: To orientate students to the world of metal-working and present basic metalworking skills.

COURSE DESCRIPTION: This course is an introduction to the materials, processes, tools, and machines utilized in the metalworking industry. The course is designed to provide the student with the awareness of occupational opportunities in the field of metal-working. The course includes basic instruction in foundry processes,

forging, metal forming, metal cutting, welding, brazing, and heat treatment of metals. Students will use hand, bench, and power tools in a variety of metalworking processes. Also, Oxyacetylene welding and cutting, Arc and MIG welding and Plasma cutting will be emphasized. Included in this class will be joints, the different welding positions and symbols used in plans and blueprints.

Machine Woodworking

Course **#MACHWD** Grade 10 – 12 ½ Credit Semester Course

PREREQUISITE: Introduction to Metals/Woods

AIM OF COURSE: To provide students with knowledge and experiences that involve a variety of occupations relating to working with wood, emphasizing those that can be located in the surrounding communities.

COURSE DESCRIPTION: Special emphasis will stress the safe and practical use of the common industrial woodworking machines. The design, planning, construction, and finishing of projects are a major part of this course. Each individual student must pass written safety exams and manipulative skill tests pertaining to each machine.

Mechanical Drafting

Course **#MECDRF** Grade 10 – 12 ½ Credit Semester Course

PREREQUISITE: Introduction to Drafting

AIM OF COURSE: To introduce the student to occupations in the field of drafting.

COURSE DESCRIPTION: The course provides the student with the opportunity to study a variety of drafting occupations and to acquire basic knowledge and skills for further training. Instruction is related to the tools, materials, techniques used in the production of mechanical drawings. The course provides the student with learning experiences in the use of drafting instruments and equipment, lettering, dimensioning, geometric construction, orthographic and pictorial drawing, sectioning, and construction of auxiliary views. The use of the Computer Aided Drafting system will be taught in this class.

Architectural Drafting

Course **#ARCDRF** Grade 10 – 12 ½ Credit Semester Course

PREREQUISITE: Introduction to Drafting

AIM OF COURSE: To provide students with general architectural design concepts and terminology.

COURSE DESCRIPTION: This course will describe building materials; explain construction principles and present information necessary for building, planning and design. Students will draw floor plans, foundation plans, plot plans, wall sections, roof sections, stair layouts, elevations, and window and door schedules of a house. All drawings will be done on the computer.

Advanced Metals

Course **#ADVMET** Grade 12 ½ Credit Semester Course

PREREQUISITE: Intro to Metals/Woods and General Metals/Welding. Interested students should have earned a 2 or better in Geometry.

COURSE DESCRIPTION: It is designed to give students the opportunity to advance their skills in manufacturing using metal lathes, mils, CNC lathe and a plasma cutter.

Advanced Shop Technology

Course **#ADVSHP** Grade 12 ½ Credit Semester Course

PREREQUISITE: Machine Woodworking or General Metals/Welding

AIM OF COURSE: To allow the student to pursue in depth an area of interest in industrial technology.

COURSE DESCRIPTION: This includes designing, planning and constructing a major project. Areas of endeavor may be in woods, metals, drafting, or any other industrial related area. Students must keep a record of work completed in notebook form. Importance is placed on design, planning, construction, time study, and cost-study of all projects. There is a fee for this course dependent on the project completed.

Computer Aided Design and Drafting (CAD)

Course **#CAD** Grade 11 – 12 ½ Credit Semester Course

PREREQUISITE: Mechanical Drafting or Architectural Drafting

AIM OF COURSE: To provide students with the basic fundamentals of computer-aided drafting (CAD).

COURSE DESCRIPTION: This class will require students to learn and use CAD commands to complete drawing assignments. In the Mechanical Drafting path students will be able to draw orthographic, pictorial and auxiliary views of

mechanical objects using CAD. In the Architectural Drafting path, advanced architectural floor plans and elevations will be completed. This course is recommended for students going into the fields of fashion design, interior decoration, architecture, engineering, and drafting.

Business Courses

Graduation Requirements: Computer Concepts 1, Careers & Digital Literacy, and Resource Management or COOP Class

Key: Y Year long
S Semester long course
+ Graduation Requirement
* Honors/ Weighted Course

Course	Prerequisite	Term Length	Grade			
			9	10	11	12
Computer Concepts 1 +	None	S	X	X	X	X
Careers & Digital Literacy +	None	S	X	X		
Computer Concepts 2	Computer Concepts 1	S	X	X	X	X
Sports & Entertainment Marketing	None	Y			X	X
Business Ventures	None	S			X	X
AP Computer Science *	Algebra 1, Computer Concepts 1 & 2	Y			X	X
Accounting *	Geometry with a "2" or better	Y			X	X
Inter-related Cooperative Education Class (Co-op Class)	Must be employed (NOT at a family business)	Y				X
Inter-related Cooperative Education Work (Co-op Work)	Must be employed (NOT at a family business)					X
Resource Management +	None	S				X

Careers & Digital Literacy

Course **#CDL** Grade 9 – 10 ½ Credit Semester Course

PREREQUISITE: None. Preferred enrollment during freshman year.

AIM OF COURSE: To assist the student in using technology safely and to help students explore future career choices.

COURSE DESCRIPTION: This course is designed to allow student self-exploration of interests and abilities as they apply to future career choices and study internet safety. Units of study include character development and goals and habits, cyberbullying, internet safety, career research, and creating four-year plans of study to prepare for post-secondary education or career pathways. Projects are completed using various online technology tools.

Computer Concepts 1

Course **#CC1** Recommended grade 9 or 10 ½ Credit Semester Course

PREREQUISITE: None.

AIM OF COURSE: To assist the student expanding computer skills that can be applied to all areas where computers are utilized.

COURSE DESCRIPTION: This course is designed to introduce students to the fundamentals of computer operations and the principles of business-oriented software programs. It will engage students in exploring and deepening their understanding of "big ideas" regarding technology. Included will be units of instruction in word processing, spreadsheets, and presentation software. Emphasis on engineering design, manufacturing technologies, construction technologies, energy & power, information & communication technologies and emerging technologies.

Computer Concepts 2

Course **#CC2** Grade 9 – 12 ½ Credit Semester Course

PREREQUISITE: Computer Concepts 1

AIM OF COURSE: To help students develop more advanced computer skills in business-oriented software programs that can be applied to all areas where computers are utilized.

COURSE DESCRIPTION: This course is a business-focused course designed to deepen students' mastery of professional productivity software through advanced

applications of Microsoft Word, Excel, and PowerPoint. Students will enhance their Word skills by collaborating with others, integrating external data, building multi-page business documents, creating and customizing forms, and automating tasks to improve efficiency. In Excel, students will format and organize complex worksheets, analyze data using formulas and functions, create and customize charts and tables, manage multi-sheet workbooks, integrate images and external content, automate tasks, perform what-if analysis, and utilize PivotTables for data-driven decision making. Finally, students will apply their advanced Word and Excel skills to develop polished, high-impact PowerPoint presentations that effectively communicate professional information in a business environment.

Sports and Entertainment Marketing

Course **#SEM** Grade 11 - 12 1 credit Year Course

PREREQUISITE: None

AIM OF COURSE: To provide students with the opportunity to explore and develop sports and entertainment marketing skills.

COURSE DESCRIPTION: This hands-on course explores the exciting world of sports and entertainment marketing. Students will learn the fundamentals of promoting and managing live events, including athletic games and extracurricular activities. From running cameras and video boards to live streaming and creating podcasts, students will develop practical skills in event production and technical operations. Additionally, the class covers branding, sponsorship, ticket sales strategies, and fan engagement techniques, giving students insight into what it takes to bring events to life. With a focus on creative content creation, students will design promotional materials and manage digital platforms, preparing them for real-world marketing challenges in the fast-paced sports and entertainment industry. **Special note - This class will require work outside of school hours in running events as part of the grade for the course.**

Business Ventures

Course **#BSNVEN** Grade 11 – 12 ½ Credit Semester Course

PREREQUISITE: None

AIM OF COURSE: To provide students with the opportunity to explore starting, financing and running a business.

COURSE DESCRIPTION: Topics to be covered include supply and demand; production, productivity, and an in-depth look into the different economic factors and marketing strategies that apply to the school based business world. Students will have the opportunity to create their own business and participate in a variety of computer business simulations while also learning about web-based businesses.

This course is definitely for the student who would like to use their creativity to investigate the world of business.

AP Computer Science *

Course **#APCOMPSCI** Grade 11-12 1 Credit Year Course

PREREQUISITE: Algebra 1. Computer Concepts 1 & 2.

AIM OF COURSE: To provide students with a basic understanding in computer science with a focus in Java programming language.

COURSE DESCRIPTION: This course emphasizes problem solving and design using Java language. The course introduces students to computer science with fundamental topics that include problem solving, design strategies, methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing. The techniques learned during this course allow students to develop solutions that can scale up from small, simple problems to large, complex problems. The course deals with these principles as they apply in each of the systems that make up both the simplest and most complex technological devices and equipment.

Accounting *

Course **#ACTG** Grade 11-12 1 Credit Honors Course Year Course

PREREQUISITE: A grade of 3 or higher in Algebra 1 and Geometry. An Algebra 1 and Geometry grade of a 2 for either semester requires instructor approval.

AIM OF COURSE: To prepare students for careers in business or accounting.

COURSE DESCRIPTION: College accounting uses an integrated approach to teach accounting. Students first learn how businesses plan for and evaluate their operating, financing and investing decisions and then how accounting systems gather and provide data to internal and external decision makers. This year-long course covers all the learning objectives of a traditional college level financial accounting course, plus those from a managerial accounting course. Topics include an introduction to accounting, accounting information systems, time value of money, and accounting for merchandising firms, sales and receivables, fixed assets, debt and equity. Other topics include statement of cash flows, financial ratios, cost-volume profit analysis and variance analysis.

Inter-related Cooperative Education Class (Co-op Class)

Course **#COOPCL** Grade 12 1 Credit Year Course

Successful completion of this course will fulfill the Resource Management graduation requirement.

PREREQUISITE: Concurrent enrollment in work phase.

AIM OF COURSE: To give the student supervised work experience with the objectives of learning general occupational skills both in the classroom and on the job.

COURSE DESCRIPTION: Interrelated Cooperative Education is designed to provide an opportunity for students to develop marketable skills and knowledge in a variety of occupations. Students are released from school for their paid cooperative education work experience and participate in related classroom instruction. Classroom instruction focuses on providing students with employability skills, career exploration skills related to the job, improving the student's abilities to interact positively with others as well as specific job skills. The course content includes the following broad areas of emphasis: job seeking skills, planning for the future, personal development, interpersonal relationships, legal protection and responsibilities, organizations and job termination, and strategies for success. In addition, broad areas of emphasis include goal setting, budgeting, financial planning, managing money, budgeting, saving/investing, insurance, purchasing a vehicle, housing, credit, debt, installment purchasing, and comparison of prices.

Inter-related Cooperative Education Work (Co-op Work)

Grade 12 1 Credit Semester Course

PREREQUISITE: Concurrent enrollment in Interrelated Cooperative Education Class

AIM OF COURSE: To give the student supervised work experience with the objectives of learning general occupational skills both in the classroom and on the job.

COURSE DESCRIPTION: This is the work portion of the Interrelated Cooperative Education. It is designed to provide on the job opportunity for students. Students are released from school for their paid cooperative education work experience.

Written training agreements and individual student training plans are developed and agreed upon by the employer, student and coordinator. The coordinator, student and employer assume compliance with federal, state and local laws and regulations. **The student, parent, employer, *and* coordinator must sign the training agreement.**

Students Must:

- Complete the work co-op application process.
- Have a job at an *approved* site by the first day of school or will be dropped from the course (You can't work for your family business or be employed by a relative)
- Be able to be released from school every afternoon
- Provide their own transportation
- Show proof of insurance and valid driver's license
- Must be 17 years of age before school starts
- Follow *all* workplace rules and regulations
- Follow *all* school rules

Course **#COOPWRKArcCon**	**Architecture & Construction**
Course **#COOPWRKBSN**	**Business, Management & Administration**
Course **#COOPWRKFinance**	**Finance**
Course **#COOPWRKHosp/Tou**	**Hospitality & Tourism**
Course **#COOPWRKHumServ**	**Human Services**
Course **#COOPWRKInfoTech**	**Information Technology**
Course **#COOPWRKMANUFACT**	**Manufacturing**

Resource Management

Course **#RESMGT** Grade 12 ½ Credit Semester Course

PREREQUISITE: None

AIM OF COURSE: To provide an understanding of personal economics and social values as students learn to apply the concepts to help reach their financial goals.**GRADUATION REQUIREMENT** This course will meet the State of Illinois consumer requirement.

COURSE DESCRIPTION: This course is a graduation requirement for seniors. Students will learn about being a financially responsible adult. The course topics include the following: Character and Values, S.M.A.R.T. Goal-Setting, Career Exploration, Paychecks and Taxes, Budgeting, Banking (Debit/Checking, Saving, Investing), Credit/Loans (includes buying a car, buying a house, etc.), Insurance, and Receiving Help.

Misc/Study Hall

Office Assistant

Course #**ASTNT** Grades 11-12 No credit

PREREQUISITE: Administrative Approval

COURSE DESCRIPTION: Assist in the Main Office, Library, Tech Office or Counseling Office doing various jobs as needed by staff. Approval is necessary and only a maximum of 2 students are allowed per office, per period. Assistants are assigned based on staff need.

Study Hall

Course #**HSSH** Grades 9-12 No credit

COURSE DESCRIPTION: Non credit study hall for students who need extra time during the day to make progress with classwork.

D-Study Hall

Course #**D-SH** Grades 9-12 No credit

COURSE DESCRIPTION: Teacher directed study hall that provides academic and executive functioning interventions with students. **Placement is made based on teacher recommendation and department approval.**

Special Education Classes

The special education curriculum is paced for students with an IEP (Individualized Education Plan). This includes accommodations, modifications, and alternate curriculums. The IEP team will help create schedules with students during their annual IEP.

ICC Dual-Credit Classes and Early Graduation

Dual-credit classes are taken online with ICC. You MUST take the class at Dee-Mack, during school hours on your Chromebook, to gain dual-credit (You earn college credit for taking a college class and you earn high school credit because you are taking it during your day at Dee-Mack. You must take the ACCUPLACER test in the Spring to qualify for these classes. Dual-Credit courses are a privilege earned as a Senior. **If a student is withdrawn from the class by ICC in the middle of the semester and the class is needed for graduation, the student will receive the "W" and will be immediately placed in a credit recovery class through Deemack that will need to be completed at the end of that semester or the student will receive the failing grade.** Currently we offer the following classes as dual-credit through ICC:

+ **English 110 - Fall Class**
+ **English 111 - Spring Class**
+ **Intro to Psychology - May be Fall or Spring**
+ **Intro to Sociology - May be Fall or Spring**
+ **Art Appreciation - May be Fall or Spring**
+ **Intro to Business - May be Fall or Spring**
+ **Intro to Communication - May be Fall or Spring**
+ **Medical Terminology - May be Fall or Spring**

NOTE**- *You can still take classes at ICC either during the summer or even after school hours and you will earn college credit. However, unless an extenuating circumstance arises, you will not receive school credit.*

If you are interested in graduating early, please read the following guidelines:

+ You must meet with Ms. Putney for credit assessment
+ You must complete the Early Graduation Request form in time for the December board meeting of the Fall semester ***prior to*** the year you graduate early (e.g. You want to graduate at the end of the Fall 2021 semester so you must complete your paperwork and submit before the December 2020 board meeting)
+ You must go to the board meeting and tell them why you would like to graduate early.

ICC ENG 110 - Composition I

Course **#ICCENG10** Grade: 12 Credit: .5 HS credits/ 3 College credits

PREREQUISITE: Approved ACCUPLACER reading score

COURSE DESCRIPTION: This course progresses the student from writing expressive compositions (expressing the ideas of the writer) to writing referential compositions (explaining or analyzing the subject matter for the reader) to writing persuasive compositions (persuading an audience), through critical reading, discussion, exercises, conferences, and revision. The majority of the writing is referential.

ICC ENG 111 - Composition II

Course **#ICCENG11** Grade: 12 Credit: .5 HS credits/ 3 College credits

PREREQUISITE: Must take and pass ENG 110 with a "C" or better

COURSE DESCRIPTION: This course progresses the student from writing analysis of and inquiring about issues to writing argumentative and persuasive compositions using research, through critical reading, discussion, exercises, conferences, and revision. The majority of the writing is argumentative.

ICC PSY 110 - Intro to Psychology

Course **#ICCPSY** Grade: 12 Credit: .5 HS credits/ 3 College credits

PREREQUISITE: Approved ACCUPLACER reading score

COURSE DESCRIPTION: Psychology is the scientific study of behavior and mental processes. This course will introduce the student to fundamentals of physiological psychology, sensation and perception, learning, emotions and motivation, and psychological disorders and their treatment. The role of research and the scientific method are emphasized throughout the course.

ICC SOC 110 - Intro to Sociology

Course **#ICCSOC** Grade: 12 Credit: .5 HS credits/ 3 College credits

PREREQUISITE: Approved ACCUPLACER reading score

COURSE DESCRIPTION: This course utilizes the approaches of functionalism, conflict theory, and interactionism to analyze the structures and processes of group life from a scientific perspective. Major areas of inquiry include: theory and methodology, culture, social organizations, socialization, groups, institutions, formal organizations, collective behavior, and social change.

ICC ART 110 - Art Appreciation

Course **#ICCART** Grade: 12 Credit: .5 HS credits/ 3 College credits

PREREQUISITE: Approved ACCUPLACER reading score

COURSE DESCRIPTION: This course is a survey of the visual arts, exploring the nature, language, and history of art, in relation to cultural, humanistic, and aesthetic values. Lectures are reinforced by written assignments, presentations, gallery visits, critical evaluations of art, and introductory art experiences. This course is acceptable for Humanities credit in the area of Fine Arts. It is intended for general studies of non-majors.

ICC BUS 110 - Intro to Business

Course **#ICCBUS** Grade: 12 Credit: .5 HS credits/ 3 College credits

PREREQUISITE: Approved ACCUPLACER reading score

COURSE DESCRIPTION: This course covers the factual and informational survey of business designed to give the student a background for understanding the principles and practices governing the operation of modern business.

ICC COMM 110 - Intro to Communication

Course **#ICCCOMM** Grade: 12 Credit: .5 HS credits/ 3 College credits

PREREQUISITE: Approved ACCUPLACER reading score

COURSE DESCRIPTION: This course provides the foundations for theoretical understanding about interpersonal communication, intercultural communication, group communication, nonverbal communication, verbal communication, intrapersonal communication, and rhetorical strategies. This course also provides practical application in public speaking and group membership.

ICC HLTH 121 - Medical Terminology

Course **#ICCMEDTERM** Grade: 12 Credit: .5 HS credits/ 2 College credits

PREREQUISITE: Approved ACCUPLACER reading score

COURSE DESCRIPTION: This course is a study of terminology used in all areas of medical and paramedical specialities. Emphasis is placed on word-building techniques and understanding of typical medical reports.

Work-Based Learning (WBL)

Work-Based Learning provides students with an opportunity to learn more about, and earn experience in, the trade industry or certified nurse assistant field. Students in their Senior year will experience this program in five ways:

Certified Nurse Assistant (CNA)

Course **#HLTHOCC**

Illinois Central College (ICC), in cooperation with local high schools, offers high school seniors the opportunity to learn about careers in Health Care and qualify to take the State Exam to become a Certified Nursing Assistant (CNA). This is a great opportunity to earn a college certificate while still in high school. Work-based learning, dual credit Health Occupations classes meet from 7am to 10am Monday through Friday in Pekin. If selected to participate, all students will be required to provide their own transportation. Students will exit this program with eligibility to sit for the Nursing Assistant State Exam, CPR Certification, and 7.5 college credits.
Any student interested in a career in health care is encouraged to apply. Applications are available with Ms. Putney. Deadline for applications is February 1, 2021. Once applications are screened, students may be scheduled for an interview. Selection for this program is based on availability and high school attendance record. Students will report to ICC where they will take some nursing classes and assist nurses on the medical floor at a local hospital. Students in this program will go to their site in the morning and return to Dee-Mack for 4th period. If you achieve a "C" or better, WE (Dee-Mack) PAY FOR THIS!!! **MUST HAVE YOUR OWN TRANSPORTATION and pay for all materials and textbooks. Students in this program arrive to Dee-Mack after 3rd hour from ICC.**

Length of Course: One (1) Semester

Credit Earned: One (1) per semester

Open to: 12th Grade

Construction

Course **#CONSTR**

Students will report to P.E.R.F.E.C.T. where they will take some classes and spend time working with different trade professions. You will spend two weeks with each profession and will also receive your OSHA-10 certification.. Students in this program will go to Dee-Mack HS in the morning and leave to go to P.E.R.F.E.C.T. after 4th period. If you achieve a "C" or better, WE (Dee-Mack) PAY FOR THIS!!! **MUST HAVE YOUR OWN TRANSPORTATION and pay for all materials and textbooks. Students in this program leave for ICC after 4th hour from Dee-Mack**

Length of Course: One (1) Year

Credit Earned: One (1) per semester

Open to: 12th Grade

Emergency Medical Services (EMS)

Course **#EMT**

Students will complete a series of classes which will prepare them to take the Illinois Department of Public Health Emergency Medical Responder licensure exam, the Illinois Department of Health EMT licensing exam, or the National Registry of Emergency Medical Technician EMT certification exam. **MUST HAVE YOUR OWN TRANSPORTATION and pay for all materials and textbooks. Students in this program arrive to Dee-Mack after 3rd hour from ICC**

Length of Course: One (1) Year

Credit Earned: One (1) per semester

Open to: 12th Grade

Production Welder Certificate

Course #**PWELDCT**

The mission of the Production Welder certificate program is to prepare students with the knowledge and skills pertaining to gas metal arc welding processes for employment as an entry-level welder. This certificate program provides minimum coursework and laboratory practice for individuals gaining MIG (GMAW) welding skills required by local employers for entry-level production welding skills. Students focus on the theory and practice associated with production welding in a manufacturing setting. **MUST HAVE YOUR OWN TRANSPORTATION and pay for all materials and textbooks. Students in this program arrive at Dee-Mack after 4th hour.**

Length of Course: One (1) Year, split into two Certificates

Credit Earned: One (1) per semester

Open to: 12th Grade

Welding Operator Certificate

Course **#WELOPCT**

The Welding Operator Certificate consists of twelve semester hours of instruction. Upon completion of this program, the graduate is prepared for entry-level employment as a manufacturing production or construction apprentice welder. **MUST HAVE YOUR OWN TRANSPORTATION and pay for all materials and textbooks. Students in this program arrive at Dee-Mack after 4th hour.**

Length of Course: One (1) Year, split into two Certificates (production welding is the first certificate

Credit Earned: One (1) per semester

Open to: 12th Grade

Bloomington Career Academy (BCA)

Students have an opportunity to attend the Bloomington Career Academy where they can enroll in programs that can follow their career interests while earning credits. Students will be expected to ride the bus provided by Dee-Mack to and from the career academy. Students who attend may be eligible for 1 to 2 hours of early release if their schedule allows. Students will register for these programs the year prior to attendance (i.e. register fall of junior year for senior year). The following programs will be available to students:

Automotive Technology

Automotive Technology I*

State Course Code – 20104A001
Available to: Juniors and Seniors

This course is designed to prepare students for an entry-level job or advanced training in the automotive service and diesel technology field. Students will develop skills in the design, theory, function, and diagnostic procedures of gasoline and diesel engines. In addition, all aspects of the vehicle will be covered, including safety, basic maintenance, braking systems, engine repair, suspension and steering, electrical/electronic, which include modern computer controls and emissions systems. Students will perform automotive service work with an emphasis on shop operating safety procedures.

Industry Certifications Available: ASE A1 – Engine Certification
Heartland Community College Dual Credit: EVES110, 2 Credit Hours, EVES115, 2 Credit Hours

Automotive Technology II*

State Course Code – 20104A002
Prerequisite: Successful Completion of Automotive Technology I

Students will enhance the skills learned in Automotive Technology I as well as develop new skills. Students will learn to use advanced tools and equipment through hands-on experience with the latest technology in the automotive industry. Specific topics that will be covered in depth include safety, basic maintenance, braking systems, engine repair, suspension and steering,

electrical/electronic, which include modern computer controls and emissions systems. The students will perform automotive service work with an emphasis on real world shop operating scenarios using teacher and community vehicles. Electric Vehicle theory and application methods including service, diagnostics, and repair.

CDL Trucking

CDL Trucking

State Course Code – 20051A001
Available to: Seniors who are 18 years old.

This Commercial Driver's License (CDL) course, offered in partnership with Nussbaum Trucking Academy at Heartland Community College, provides comprehensive instruction in the safe and proper handling and operation of semi-trucks. The course includes classroom training for the CDL Learner's Permit, Essential Workplace Skills training in communication and customer service, and extensive behind-the-wheel training in an automatic or manual transmission semi tractor-trailer. Students will learn essential strategies for driving in hazardous conditions, observing laws and regulations, and properly loading and securing cargo. The course also covers the expectations and realities of a career in commercial driving. At the end of the course, students will take the Class "A" License Road and Skill Test, administered by the Illinois Secretary of State's Office. This course is designed to fully prepare you for an entry-level position as a professional driver, with a strong emphasis on practical, behind-the-wheel experience.

Industry Certifications Available: Class A Commercial Driver's License through the Illinois Secretary of State

Certified Nurse Assistant

Certified Nurse Assistant*

State Course Code – 14051A001
Available to: Juniors and Seniors

Are you contemplating a career in health care? The opportunities are unlimited for trained professionals in the healthcare field. Upon successful completion of this course, students are eligible to take the state competency exam to become certified nursing assistants (CNAs). Classroom instruction includes certification in Basic Life

Support/CPR and fundamental healthcare principles. Some of these healthcare principles include infection control, safety, patient confidentiality, measuring vital signs, bathing and grooming techniques, nutrition, and transferring residents. Students will participate in hands-on care of residents in long-term care facilities as part of the clinical requirements. Attendance is essential due to the number of state-mandated hours that are required. This class is recommended for students planning for post-secondary education or career attainment.
Excellent attendance and communication skills are necessary.

Industry Certifications Available: Certified Nurse Assistant License, and CPR/AED Certified
Heartland Community College Dual Credit NURS110, 8 Credit Hours

CNA Leadership

CNA Leadership (Formerly Advanced CNA)

State Course Code – 14098A005
Prerequisite: Completion of Nurse Assistant program, CNA certification, and approval from Certified Nurse Assistant instructors.

Are you interested in getting hands-on experience in local hospitals, clinics, and medical offices? The CNA Leadership program is an internship program in which students gain learning experiences in local health care facilities. Students will benefit from speakers within the industry, enhance their technical skills, and develop workplace readiness. Students who have completed the BCA Certified Nurse Assistant program have an opportunity to apply for the CNA Leadership program. Students are chosen based on their clinical skills, grades, attendance, professionalism, communication skills, and leadership qualities. Participating internship sites include, but are not limited to: Carle BroMenn Medical Center, OSF St. Joseph Medical Center, Center for Wound Healing and Hyperbaric Medicine, and Illinois Cancer Care. This class is recommended for students planning for post-secondary education or career attainment.

Construction Trades

Construction Trades I*

State Course Code – 17002A001

Available to: Juniors and Seniors

This course provides an opportunity for students who are planning on entering a post-secondary educational program in construction or entering into the workforce at entry level. The focus of this class is hands-on construction. There will be emphasis on foundations, framing, exterior and interior finish, electrical, plumbing, and roofing. Students will develop workplace skills in basic math, hand and power tools, basic blueprint reading, safe work habits, proper job attitudes, technical jargon and learn about the wide variety of opportunities in the field of construction.

Industry Certifications Available: OSHA 10-Hour Safety
Heartland Community College Dual Credit CNST101, 3 Credit Hours

Construction Trades II*

State Course Code – 17002A002
Prerequisite: Successful Completion of Construction Trades I

This course provides an opportunity for students who are planning to enter a post-secondary educational program in construction or enter into the workforce at entry level. Students will enhance workplace skills in blueprint reading, mechanical systems, electrical wiring, and construction estimating and scheduling, while developing leadership roles.

Construction Trades III*

State Course Code – 17013A001
Prerequisite: Successful Completion of Construction Trades I and II

This course provides an opportunity for students planning to enter a postsecondary educational program in construction or enter the workforce at entry level with some management experience. Students will enhance workplace skills in blueprint reading, tool safety, stair construction, drywall applications, interior finishes, mechanical systems, electrical wiring, and construction estimating and scheduling while further developing leadership roles.

Computer Technology & Networking

Computer Technology & Networking I*

State Course Code – 10252A001

Available to: Juniors and Seniors

The Computer Technology & Networking course is designed to equip both the novice and experienced students with entry- level computer technician proficiencies. Students will work closely with the instructor, an educational technology department, and local technology businesses to better their understanding of the material covered in class. The course will help students become adept with customer support techniques and key computer hardware architecture components, such as the motherboard, processor, memory, drives, networks, power supplies, and peripheral devices for both desktop and laptop computers. Additionally, students will install, configure, and troubleshoot the significant operating systems utilized today. Significant lab time is provided to offer the student authentic hands-on experiences in working with computers. The goal is to prepare these students to take the COMPTIA A+ Certification (starting point for a career in IT) and have them available to assist schools' technology departments in a variety of manners. In addition to hardware curriculum, the class will also be working on basic networking knowledge and skills; connecting to a network, connecting to the internet through an ISP, network addressing, network services, wireless technologies, basic security, and troubleshooting your network.

Industry Certifications Available: CompTIA's A+ Certification
Heartland Community College Dual Credit NETW150, 3 Credit Hours, NETW151, 3 Credit Hours

Computer Technology & Networking II*

State Course Code – 10252A002
Prerequisite: Successful Completion of Computer Technology & Networking I

This course builds on the skills introduced in Computer Technology & Networking I. Students learn how to connect and install multiple computers and peripherals together to create a computer network. Students build, configure, and maintain network servers along with installing and configuring various network operating systems such as Novell, Windows, and Linux. Students learn to use troubleshooting services, system monitoring utilities, and data backup and recovery systems. Other topics include learning how to connect various network components such as servers, computers, and printers together using data cabling, hubs, and switches. Students learn to run, terminate, and troubleshoot data cabling. In addition, students learn how to install and upgrade software across the network, as well as

map drives and share resources such as printers, software, and files. The course includes setting up and configuring various network services such as TCP/IP, DHCP, DNS, VPN, terminal services, e-mail, and web services. Students learn how to secure and protect network servers and data as well as setting up and configuring a firewall, intrusion detection system, and encryption software for identifying and preventing potential network attacks.

Industry Certifications Available: CompTIA's Net Pro Certification
Heartland Community College Dual Credit NETW160, 3 Credit Hours, NETW167, 3 Credit Hours

Computer Technology & Networking III*

State Course Code – 21008A001
Prerequisite: Successful Completion of Computer Technology & Networking I and II

This course builds on the skills introduced in Computer Technology & Networking I and II. Internships will be a part of this course along with independent study in the students' area of interest. Cybersecurity is currently the main focus of this course through an online lab simulation application.

Cosmetology

Cosmetology I, II, & III

State Course Code – Cosmetology I – 19101A001 ~ Cosmetology II – 19101A002 ~ Cosmetology III - 19148A001
Available to: Juniors and Seniors

Do you want to learn how to braid, style, and perm long and short hair? Then this is the program for you! Students attend Tricoci, which is a Pivot Point School. While attending, students demonstrate competencies in two of the five classroom modules needed for the required Illinois State Board Exam. All students will focus on one module in the first year and another module in the second year. Classes will also attend the Midwest Beauty Show in Chicago, where they are able to network with over 50,000 hair, skin, and nail professionals. Module One will consist of styling hair in a wet and dry state. Training on manikins will develop an understanding of the shape of the head. Observation will be made of different ways of styling long and short hair. These methods may include braiding, curling, straightening, up and down styles, and many more. Students then practice these methods until they have mastered these techniques based upon industry standards.

Module Two will consist of understanding the texture of the hair. This will include adding and removing texture to hair, as well as multicultural texture reformation. Observation will be made of different ways of perming using different chemicals and rod styles, and relaxing hair using different chemical relaxers. Students then practice these methods until they have mastered these techniques based upon industry standards. All hours accumulated during the students' time at Tricoci Cosmetology are credited towards the completion of the 1,500-hour course and licensure. First and second year students may also earn extra hours towards their certification with the approval of their instructor. The Bloomington Career Academy will pay for additional hours for approved students. This program pathway can be completed at Tricoci where they will prepare you to take the Illinois State Board mandated exam.

Criminal Justice & Law Enforcement

Criminal Justice & Law Enforcement I

State Course Code – 15054A001
Available to: Juniors and Seniors

This program is designed to acquaint students with the various aspects of the criminal justice system, including the structure of law enforcement; procedures of criminal law; the court system; corrections; and juvenile justice. Students will first learn the basics of the criminal justice system and become familiar with criminal law and how it applies to individual rights. United States Supreme Court landmark cases will be examined to have a better understanding of their importance in today's role in our criminal justice system. Students will also hear from experts who will expand their knowledge about the multitude of career opportunities within the criminal justice field. Students will take part in field trips to various locations within the criminal justice specialty areas to see and learn about their daily operations. Students will also take part in various hands-on activities similar to the duties of a police officer, as well as explore aspects of various roles within the police departments, including exploration in forensic science, evidence processing, and steps to properly process a crime scene.

Industry Certifications Available: CPR/AED and Stop the Bleed Certifications, OSHA 10-Hour Safety, Emergency Telecommunicator Certification

Criminal Justice & Law Enforcement II

State Course Code – 15054A002
Prerequisite: Successful Completion of Criminal Justice & Law Enforcement I

During this phase of the program, students will have the opportunity to explore more concise and detailed operations of the criminal justice field. Students will participate in various job-shadowing opportunities and off-site visits to select venues to gain a better understanding of specialties and characteristics within the criminal justice field. Independent study units will be used to allow a more advanced insight, as students will research and analyze actual police cases to examine findings and submit recommendations. Students will also have the opportunity to take on leadership and mentoring roles to first-year students and utilize their first-year experiences to assist in guiding students toward a successful year.

Industry Certifications Available: Emergency Telecommunicator Certification

Criminal Justice & Law Enforcement III

State Course Code – 15001A001
Prerequisite: Successful Completion of Criminal Justice & Law Enforcement I and II

Curriculum will be based on student interest, market trends, and business demands. Internships will also be a primary part of the coursework.

Culinary Arts

Culinary Arts I*

State Course Code – 16052A001
Available to: Juniors and Seniors

This course provides students considering a career in culinary arts and the food service industry with classroom instruction and lab experiences to develop job-related competencies. Students start with basic sanitation and workplace safety, and then continue with instruction on food handling, preparation, quantity production, quality control, planning, operation, and presentation. Commercial quality food service equipment will be used to prepare food and provide hands-on instruction for each area of food study. Areas of study include: sanitation and safety, knife skills, equipment, recipe fundamentals, herbs and spices, meat fabrication,

cooking methods, cake decorating, quick and yeast breads, specialty desserts, cookies, resumes and interviewing, stock and soups, pasta and sauces, and egg preparation methods.

Industry Certifications Available: ServSafe Food Handler, ServSafe Food Protection Manager, and ServSafe Allergens Certifications, OSHA 10 Hour: Culinary Arts

Joliet Junior College Dual Credit CA106, 2 Credit Hours, CA105, 3 Credit Hours

Culinary Arts II*

State Course Code – 16055A001
Prerequisite: Successful Completion of Culinary Arts I including earning Food Protection Manager certification

This course provides students with leadership opportunities and responsibility for food service management. Students in this class have the opportunity to cater many different events. Students have the opportunity to plan menus, select food, supervise food preparation, develop pricing strategies, order food, and maintain safety and sanitation, while mastering operation of all food preparation equipment. Culinary related field trips and events, including a weekly internship experience will be part of the curriculum. Students develop skills that will prepare them for post-secondary education and employment opportunities. Areas of study include: sanitation and safety, foodservice professionals, advanced knife skills, cakes and icing, pies, advanced cake decorating, specialty desserts, garde manger (cold cookery), sous vide cooking, sandwiches, advanced stocks and sauces, meat fabrication, combination cooking methods, hor d'Oeuvres, fruits and vegetables.

Industry Certifications Available: ServSafe Sexual Harassment Prevention

Cybersecurity

Cybersecurity

State Course Code – 10020A001
Available to: Juniors and Seniors

This cybersecurity program is specifically designed for beginners. In this hands-on course, students will learn more about ethical hacking, uncovering vulnerabilities,

and securing systems. Students will receive guidance from google experts and acquire essential skills for entry-level positions like cybersecurity analysts or security operations center analysts while having the unique opportunity to collaborate with local industry experts, gaining invaluable insights into the regional cybersecurity landscape.

Industry Certifications Available: Google Cybersecurity Professional Certificate, CompTIA Security+

Cybersecurity II

State Course Code – 10108A001
Prerequisite: Successful Completion of Cybersecurity

This Network Security course offers a solid foundation in key security principles within computer and information technology. Students will learn to identify and counter various network threats, including attacks on email, web applications, remote access, and file and print services. Core topics include authentication protocols, malware detection, secure communication channels, intrusion detection systems, and firewall implementation. Through hands-on experience with Google Cloud tools like Cloud Shell, Cloud Storage, and the Security Command Center, students tackle real-world cybersecurity challenges while working towards a Google Cloud Cybersecurity certification. The course also includes training in essential cybersecurity programming languages, equipping students with the skills needed to build secure systems and respond to evolving cyber threats.

Emergency Medical Technician

EMT (Emergency Medical Technician)-Basic*

State Course Code – 14055A001
Available to: Seniors

This course will introduce the care and handling of the critically ill and injured. Emphasis is on the development of skills in assessment of illnesses and the application of proper emergency care procedures. This course will meet federal and state guidelines for basic EMT training. Students who successfully complete this course will be able to sit for the National Registry EMT-Basic licensure exam after turning 18 years of age and graduating from high school. Highlights include ride time at the local fire departments and hands-on practical training.

Industry Certifications Available: EMT-B License, CPR and Stop the Bleed Certifications, OSHA 10-Hour Safety
Heartland Community College Dual Credit EMT 101, 8 Credit Hours

Esthetics

Esthetics I & II

State Course Code – Esthetics I - 19101A001 ~ Esthetics II – 19101A002
Available to: Juniors and Seniors

This program will improve your understanding of day-to-day skincare, specialized skin treatments, and more. Our curriculum is ideal for aspiring facialists, waxing specialists, body treatment specialists, and makeup artists. Work as an esthetician sees you addressing unique skin conditions and composing equally unique skincare treatment programs while also helping clients through questions about hair removal, makeup applications, and more. All hours accumulated during the student's time at BCA Esthetics are credited towards the completion of the 750-hour course and licensure.

Fire Science

Fire Science*

State Course Code – 15152A001
Available to: Juniors and Seniors

This program allows students to explore and prepare for a possible career in the Fire Service. Professional Firefighters teach the course. Students will gain lab experience on-site at Bloomington and Normal Fire Stations and will learn technical and manipulative skills. Those skills include, but are not limited to, the following areas of study: fire behavior, safety, self-contained breathing apparatus, turnout gear use, portable fire extinguishers, ladders and ladder use, fire hose and appliances, building construction, forcible entry, ventilation, water supply, nozzles and fire streams, rescue, fire control, and ropes and knots. The students will be offered the opportunity to participate in Skills USA, a competition of other fire science students in Illinois. Students must be in good physical condition to enroll in the course, as training will include climbing stairs and crawling with additional equipment and supplies.

Industry Certifications Available: First Responder Certification
Illinois Central College Dual Credit FRSTK110, 3 Credit Hours, FRSTK113, 3 Credit Hours

Foundations of Teaching

Foundations of Teaching*

State Course Code – 19154A002
Available to: Juniors and Seniors

This course introduces students to the core principles of teaching and learning, along with the responsibilities of educators. Combining classroom instruction and field experiences, students will gain practical knowledge of instructional planning classroom management, assessment techniques, and creating effective learning environments. The course also explores cultural diversity in the American classroom, focusing on understanding and working with diverse student groups, and examining the relationship between schools and their cultural contexts. Students will develop teaching objectives, design lesson plans, and practice teaching in a controlled setting. The course also covers career opportunities in education, Illinois licensing requirements, and essential skills like time management and classroom presentation. By the end, students will be well-prepared for future exploration in the education field. Seniors after graduation are able to test for their Prospective Paraprofessional Licensure.

Heartland Community College Dual Credit EDUC101, 3 Credit Hours, EDUC135, 3 Credit Hours

Foundations of Teaching II*

State Course Code – 19152A001
Prerequisite: ED101

This course builds on the first year of Foundations of Teaching to continue refining teaching and learning best practices. It will also continue developing the dispositions of a responsible, responsive teacher through mentorship of Year 1 students to have more teaching experience in a controlled environment. They will also be able to continue gaining these characteristics through more field experiences in classroom placements to observe and teach students they are building relationships with throughout the year. This will help them continue to

gain confidence with organizational skills to lesson plan with teaching objectives, implement and execute lesson plans, practice different classroom management skills, respond to diverse student needs, examine and practice evaluation techniques, and reflect and learn from the experience to ensure they are building a positive learning environment. The course will also explore a variety of educational technology tools to utilize in the classroom to enhance the student learning experience, along with aiding teachers with productivity in planning, teaching, and assessing. Accompanying teaching implications, the importance of digital citizenship and technology to communicate outside of the classroom will be introduced. Students will also explore different opportunities in education careers and develop/expand their career portfolio. In order to continue providing practical avenues in the field of education, seniors will be encouraged to take their paraprofessional licensure test after graduation in order to continue building connections and gaining experiences with students in schools. Seniors after graduation are able to test for their Prospective Paraprofessional Licensure.

University of St. Francis Dual Credit EDUC225, 2 Credit Hours

Graphic Design & Video Production

Graphic Design & Video Production I*

State Course Code – 11154A001
Available to: Juniors and Seniors

Do you want to know how to turn your ideas into digital graphics? Do you have a skill at conceptualizing advertising graphics and want to turn them into usable pieces? Students in this course will develop skills used by digital media graphic designers, desktop publishers, and other members of the multimedia/communications industry. Students will be using industry standard software packages, such as: Photoshop, Illustrator, Final Cut Pro X, Logic Pro, and more. Students will be introduced to drawing techniques, digital photography, page assembly, multimedia production and print technologies, as well as vinyl printing and branded apparel design. Students will also utilize the steps necessary to mass produce digital media designs. If you are considering a career in graphic arts, this is the class for you!

Industry Certifications Available: Adobe Creative Cloud Industry Recognized Certifications available: Photoshop, Illustrator, InDesign, After Effects, Premier, and Audition
Heartland Community College Dual Credit DMED101, 3 Credit Hours

Graphic Design & Video Production II*

State Course Code – 11154A002
Prerequisite: Successful Completion of Graphic Design & Video Production I

Students in this class will receive intensive study in advanced digital media design. Students will have the opportunity to establish a leadership role within the print shop and partner with outside resources to create projects for distribution. This class is recommended for students who are considering a career in the industry as well as preparing for post-secondary education.

Heartland Community College Dual Credit DMED120, 3 Credit Hours, DMED130, 3 Credit Hours

Graphic Design & Video Production III*

State Course Code – 10202A001
Prerequisite: Successful Completion of Graphic Design & Video Production I and II

Curriculum will be based on student interest, market trends, and business demands. Internships will also be a primary part of the coursework.

Health Careers & Medical Terminology

Health Careers and Medical Terminology*

State Course Code – 1st Semester – 14154A001 ~ 2nd Semester – 14001A001
Available to: Juniors and Seniors

Health Careers and Medical Terminology is a one-year program offered to sophomore, junior, and senior students interested in pursuing a career in the medical field or in public safety. Students will learn basic human anatomy and physiology, a solid foundation in medical terminology, and injury/disease processes. Students will have many opportunities for hands-on training and skills development. It will provide a clear understanding of the first aid process in an emergency situation. The course will explore many medical career options such as Physical and Occupational Therapy, Radiology, Dental Assistant, Nursing, Sports

Medicine, X-Ray Technician, as well as Physician specialties. It will give students an up-close look at employment opportunities and educational pathways. Multiple guest speakers from various backgrounds and career opportunities will present to the class.

Heartland Community College Dual Credit HLTH110, 3 Credit Hours

Heavy Equipment Repair & Operations

Heavy Equipment Repair and Operation

State Course Code – 20052A001
Available to: Juniors and Seniors

Heavy Equipment Repair and Operation equips students with the skills and knowledge needed for a successful career in the heavy equipment industry. Through a combination of classroom instruction and hands-on training, students learn to operate and maintain a variety of heavy equipment. The program emphasizes safety, preventative maintenance, troubleshooting, and repair techniques, ensuring that students can confidently handle equipment used in distribution, manufacturing, and utility industries. With real-world experience gained in our yard and shop, students graduate with the foundational skills required to meet industry demands and excel in the workforce. Students must hold a valid Illinois driver's license.

Heavy Equipment Repair and Operation II

State Course Code – 20112A001
Prerequisite- Heavy Equipment Repair and Operation I
Available to: Seniors

Heavy Equipment Repair and Operation II builds on fundamental skills and knowledge learned in the basic course by introducing students to advanced testing and diagnostics of Diesel Engines, Drivetrains, and Electrical Systems utilized in various forms of Heavy Equipment. This second year course emphasizes the importance of leadership and learning through mentorship of students taking the first year course. Additionally, this program will teach students the importance of communication, attention to detail, and tact needed to excel in the workforce. Students must hold a valid driver's license.

Mechatronics

Mechatronics*

State Course Code – 13102A001
Available to: Juniors and Seniors

The Mechatronics course provides students with a comprehensive introduction to the principles and applications of electro- mechanical systems, with a focus on the integration of electrical, mechanical, and automated technologies. Students will Industry Certifications Available: National Center for Construction Education and Research Credential gain knowledge and hands-on experience in areas such as electricity, mechanics, hydraulics, pneumatics, gears, cams, levers, and industrial circuits, as well as robotic operations and programming. Instruction includes the operation, safety, and troubleshooting of industry-leading robotic systems, motor controls, and advanced automation equipment. Emphasis is placed on understanding manufacturing processes, materials, and system components used in modern production environments. This course is designed to prepare students for careers in advanced manufacturing, automation, and related technical fields, and to provide a strong foundation for postsecondary education in engineering technology or industrial maintenance. An emphasis is placed on the Lean approach to manufacturing—a philosophy centered on minimizing waste and maximizing efficiency. Through this lens, students will gain a deeper understanding of how to optimize manufacturing processes, select the right materials, and utilize system components to achieve streamlined, high-performance production environments.

Heartland Community College Dual Credit MAIN220, 3 Credit Hours, MAIN245, 3 Credit Hours

Robotics & Engineering

Robotics & Engineering

State Course Code – 21009A001
Available to: Juniors and Seniors

Students enrolled in this course will demonstrate the knowledge and skills necessary for robotic and engineering industries. Through implementation of the design process, students will apply concepts learned in physical science and physics classes to mechanical devices. Students will develop skills in mechanical design (CAD), and construction as they work in teams to build simple and complex

robotic devices. They will build prototypes or use simulation software to test their designs. Additionally, students will explore career opportunities, employer expectations, and educational needs in the engineering fields.

Industry Certifications Available: Onshape (CAD) Certification. Drones Certification & Competitions

Robotics & Engineering II

State Course Code – 21010A001
Prerequisite: Successful Completion of Robotics I

The second in a sequence of courses that prepares individuals with a lab-based, hands-on curriculum combining electrical, mechanical, and engineering principles. Students will learn to design, build, program, and control robotic devices. Additionally, students will explore career opportunities, employer expectations, and educational needs in the engineering fields.

Industry Certifications Available: Onshape (CAD) Certification. Drones Certification & Competitions

Welding

Welding I*

State Course Code – BCA – 13207A001 ~ Tri-Valley – 18404A001
Available to: Juniors and Seniors
Location: BCA and Tri-Valley High School

This course is designed for students with an interest in the field of manufacturing, which includes machining, sheet metal, computerized machines, and welding. Classroom instruction will include workplace safety, blueprint reading, applied math, training of hand and power tools, and instruction on proper procedures of laboratory equipment. Specialized laboratory learning experiences include planning, manufacturing, assembling, and metal fabricating process. Students will develop skills necessary to continue with post-secondary education or obtain an entry-level position in the manufacturing occupations. Students will also benefit from the business partnership with Caterpillar.

Industry Certifications Available: American Welding Society (AWS) Certification

Heartland Community College Dual Credit WELD116, 3 Credit Hours, WELD118, 3 Credit Hours

Welding II*

State Course Code – BCA – 13207A002 ~ Tri-Valley – 18404A002
Program held at BCA and Tri-Valley High School
Prerequisite: Successful Completion of Welding I

Students enrolled in this course will enhance their opportunities for obtaining employment in manufacturing. Students will specialize in an area of interest while mastering blueprint reading, applied math, training of hand and power tools, and instruction on proper procedures of laboratory equipment. Students will also increase the amount of lab experience in the area of Computer Numerical Control (CNC) by using a lathe and vertical mill. Students experience 95% hands-on activities during the second year and may work towards the American Welding Society (AWS) certification in Shielded Metal Arc Welding (SMAW). Students will also benefit from the business partnership with Caterpillar.

**Dual Credit is subject to change at the discretion of the community college. **

Links to Course Registration Forms

Freshman

Sophomore

Junior

Senior

Links to Sample Schedules

Freshman

Sophomore

Junior

Senior