2022-2023 Moulton-Udell High School Course Catalog

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The Moulton-Udell CSD offers career and technical programs in the following service areas:

- Agricultural, Food, and Natural Resources
- Business, Finance, Marketing, and Management
- Family & Consumer Sciences/Human Services
- Health Science

Moulton-Udell Community School is an equal employment opportunity and affirmative action employer. The district does not discriminate in our educational programs or employment practices based on race, creed, color, age (for employment), marital status (for programs) religion, national origin, gender, sexual orientation, gender identity, socioeconomic status (for programs), other distinguishing characteristics, or disability in its educational programs, services, or employment practices.

Inquiries concerning application of this statement, including grievance procedures should be addressed to Dan Maeder, Equity Coordinator, 305 East 8th Street, Moulton, Iowa 52572; (641) 642 – 8131; dan.maeder @moulton-udell.org.

It is the policy of the Moulton-Udell Community School District not to discriminate based on race, color, national origin, sex, disability, religion, creed, age (for employment), marital status (for programs), sexual orientation, gender identity and socioeconomic status (for programs) in its educational programs and its employment practices.

There is a grievance procedure for processing complaints of discrimination. If you have questions or a grievance related to this policy please contact the district's Equity Coordinator, Dan Maeder, Superintendent, 305 East 8th Street, Moulton, Iowa 52572; (641) 642 – 8131; dan.maeder @moulton-udell.org.

Moulton-Udell Community School District will take reasonable steps to ensure that persons with Limited English Proficiency (LEP) or Hearing Impairments have meaningful access and an equal opportunity to participate in counseling services, activities, programs, and other benefits. Language assistance will be provided through use of available resources such as; competent bilingual staff, staff interpreters, translation services, or technology and telephonic interpretation services.

GRADUATION REQUIREMENTS

To graduate from Moulton-Udell High School, a student must have successfully completed at least fifty-two (52) credits of coursework beyond the eighth grade in specific areas and a one-day workshop in CPR. A credit is the successful completion of one semester of class. All sequential classes must be passed before enrolling in the next course, unless approved by teacher, administrator, and school counselor.

Moulton-Udell High School graduation requirements, as adopted by the Moulton-Udell Community School District Board of Education and reflecting the Iowa Core Requirements are as follows:

- English/Language Arts: 8 Credits (4 Years)
- Mathematics: 6 Credits (3 Years)
- Science: 6 Credits (3 Years)
- Social Studies: 6 Credits (3 Years)
    - Must include 2 Credits (1 Year) of American History
    - Must include 1 Credit (1 Semester) of Government
    - Must include 1 Credit (1 Semester) of Economics with Financial Literacy
- Physical Education: 4 Credits (4 Years)
    - Earned at 0.5 Credits per semester
- Technology: 2 Credits (1 Year)
    - Must include 1 Credit of Computer Applications
- Fine Arts & World Languages: 1 Credit (1 Semester)
    - Art
    - Music
    - Spanish
- Career & Technical Education: 1 Credit (1 Semester)
    - Agriculture
    - Business
    - Computer Science
    - Health Sciences
- Electives: 18 Credits (9 Semester)

Note: Students must be debt-free to the school and have satisfied all outstanding obligations, including the service of any disciplinary penalties

GRADUATION REQUIREMENT FOR SPECIAL EDUCATION STUDENTS

The Moulton-Udell Community School District Board of Education shall waive specific course requirements as deemed necessary by the IEP/staffing team for those students enrolled in the Special Education Program. The IEP/staffing team [special education teacher, AEA personnel, parents, and principal] shall determine the curriculum for the students enrolled in this program. The curriculum for each student shall be planned on an individual basis. A student receiving special education services shall have an Individual Education Plan (IEP) on file.

GRADUATING WITH HONORS

Students with a final cumulative grade point average of 3.25 or higher will be eligible to Graduate with Honors.

Students with a final cumulative grade point average of 3.65 or higher will be eligible to Graduate with High Honors.

COURSE LOAD REQUIREMENTS

Moulton-Udell High School students must carry seven classes plus P.E. per semester.

GRADE PLACEMENT

Students are considered to be members of each of the following classes if their credits at the beginning of the school year total:

- Grade 9: Must have completed 8th grade.
- Grade 10: Accumulation of minimum of 14 graduation credits.
- Grade 11: Accumulation of minimum of 27 graduation credits.
- Grade 12: Accumulation of minimum of 41 graduation credits.

ADDING/DROPPING CLASSES

Students may change their class schedule within the first 3 days of the semester. Students must fill out the appropriate form to add and/or drop a class, which is available from the high school office. The form must be signed by the student, parent, teacher(s), school counselor, and principal before the change can go into effect. When a student adds a class, they will have the responsibility of making up any work that is required by the teacher of the added class.

This policy applies to Moulton-Udell High School Courses only. For information on dropping or adding Indian Hills College courses, please contact the school counselor or the Indian Hills Community College Website.

ACCELERATED CLASSES

The following courses have been designated as “accelerated classes.” This means that an additional .5 will be added when calculating GPA for students who successfully complete the course requirements. This applies to semester grades.

- Advanced Writing
- Algebra II
- Chemistry
- Math IV
- Physics
- Spanish III/IV
- Indian Hills Community College Courses

ENROLLMENT IN COLLEGE COURSES

Seniors with a 3.0 Cumulative GPA or higher will be allowed to enroll in college courses for a maximum of 2 class periods, except for students enrolled in IHCC Career Academy.

Juniors with a 3.0 Cumulative GPA or higher will be allowed to enroll in college courses for a maximum of 1 class period, except for students enrolled in IHCC Career Academy.

Students must be enrolled in or have completed Math IV to be enrolled in a college Math class.

Students will be allowed to withdraw from 1 College course during their career at M-U without penalty. Students seeking to withdraw from a second college course will be required to finish the course and will receive the grade they earn.

Students who receive a failing semester or trimester grade (F) in a college course will not be allowed to take or enroll in additional college courses.

GRADING SYSTEM

Information about the grading system at Moulton-Udell High School follows, including the grading scale, incomplete grade procedures, grade point averages, and academic eligibility.

GRADING SCALE

A+	98-100	B+	88-90	C+	78-80	D+	68-70	F	0-60
A	94-97	B	84-87	C	74-77	D	64-67		
A-	91-93	B-	81-83	C-	71-73	D-	61-63		

INCOMPLETE GRADES AT THE END OF A TERM

A student with an incomplete must meet with the administration. The student shall have no more than 3 days following the end of a grading period to complete and turn in all work related to the incomplete grade. The principal has discretion in the event of extenuating circumstances.

GRADE POINT AVERAGE CALCULATION

The following points are used when calculating honor roll and grade point averages for traditional classes:

A+	4.00	B+	3.50	C+	2.50	D+	1.50	F	0.00
A	4.00	B	3.00	C	2.00	D	1.00		
A-	3.75	B-	2.75	C-	1.75	D-	0.75		

The following points are used when calculating honor roll and grade point averages for accelerated classes:

A+	4.50	B+	4.00	C+	3.00	D+	2.00	F	0.00
A	4.50	B	3.50	C	2.50	D	1.50		
A-	4.25	B-	3.25	C-	2.25	D-	1.25		

ACADEMIC ELIGIBILITY FOR EXTRA CURRICULAR ACTIVITIES

All students are expected to pass all courses in which he or she is currently enrolled.

3- and 6-Week Grade Check: Student who receives an F in any class will be ineligible until a passing grade is received

Quarter Grade: Student will be ineligible until the next 3-week check.

Semester Grades (State Rule): A student who receives a failing grade at the end of the semester or trimester, will be ineligible for a period of 30 school days from the current or next sport season they are a Bonafede contestant in. The student must complete the season in good standing with the coach. If not, the complete 30-day suspension transfers to the next sport season the student chooses to participate in. Activities includes:

- Sporting events (will not travel to away games)
- Dances
- Co-curricular activities will be left to the discretion of the principal and sponsor/advisor/teacher

COLLEGE REQUIREMENTS FOR ATHLETIC PARTICIPATION\

For those students-athletes who believe they have the time and talent to become a college participant in athletics, there is a summary of rules and regulations governing the transferring, recruiting, eligibility and financial aid that would be very beneficial to Any senior. These may be picked up in the guidance office. Please refer to the NCAA website(s):

- **Http://www.ncaa.org/student-athletes/play-division-i-sports**
- **Http://www.ncaa.org/student-athletes/future/core-courses**

CAREER AND TECHNICAL EDUCATION (CTE) DEPARTMENT

Includes Agricultural Education, Business Education, Family & Consumer Science/Human Services, IHCC Computer Science Academy, IHCC Construction Technology, IHCC Criminal Justice, IHCC Health Sciences, and IHCC Industrial Maintenance.

Courses from the Career and Technical Education Department count towards CTE credits and electives credit for graduation

All students, regardless of race, creed, color, age, marital status, religion, national origin, gender, sexual orientation, gender identity, socioeconomic status, other distinguishing characteristics, or disability are encouraged to take Career and Technical Education courses that interest them or further their educational program.

RECOMMENDED SEQUENCE FOR AGRICULTURAL EDUCATION

1. Introduction to Agriculture
2. Plant and Soil Sciences
3. Agricultural Business

RECOMMENDED SEQUENCE FOR BUSINESS EDUCATION

1. Computer Applications & Multimedia
2. General Business
3. Graphics

RECOMMENDED SEQUENCE FOR FAMILY AND CONSUMER SCIENCES/HUMAN SERVICES

1. Life Skills
2. Careers
3. Child Development

RECOMMENDED SEQUENCE FOR HEALTH SCIENCES

1. IHCC How to Be Successful in College
2. IHCC Health Care Exploration
3. IHCC Medical Terminology
4. IHCC Health Care Job Shadow in Health Sciences
5. IHCC Basic Anatomy & Physiology
6. IHCC Basic Anatomy & Physiology Lab
7. IHCC Introduction to Psychology
8. IHCC Health Unit Records
9. IHCC Health Unit Records Lab

Agricultural Education

The agricultural education program is a comprehensive, general program. Agricultural education prepares students for successful careers and a lifetime of informed choices in the global agriculture, food, fiber, and natural resources system.

Agricultural education is a systematic program of instruction available to students desiring to learn about the science, business and technology of plant and animal production and/or about the environmental and natural resources systems.

There are 7 course available with the opportunity to earn 12 credits in agriculture. Horticulture is offered as either as a CTE credit or Science credit.

Introduction to Agriculture			18001G10010
Credit(s)	2	**Required**	No
Recommended Grade Level	9	**Prerequisites**	None

Through this course, students will gain an understanding of the Agriscience program, gain an appreciation of FFA, and understand its purpose and function. Learning experiences will include hands-on experiences, field trips, and various classroom and laboratory exercises. Students will work cooperatively and learning leadership skills though FFA and Career Experience in Agriculture.

Plant and Soil Sciences			18051G10010
Credit(s)	2	**Required**	No
Recommended Grade Level	10	**Prerequisites**	None

Through this course, students will gain an understanding of plant science and soil fertility. This course will focus on crop production, management, processing, and marketing. Learning experiences will include hands-on experiences, field trips, and various classroom and laboratory exercises. Students will also train and participate in the Sub-District Soil Judging Career Development Event. Students will work cooperatively and learning leadership skills though FFA and Career Experience in Agriculture.

Agricultural Business			18201G10010
Credit(s)	2	**Required**	No
Recommended Grade Level	11	**Prerequisites**	None

Through this course, students will gain an understanding of both farm and agribusiness management. Students will focus on the areas of credit, money management, marketing, and tax and business planning. Learning experiences will include hands-on experiences, field trips, and various classroom and laboratory exercises. Students will work cooperatively and learning leadership skills though FFA and Career Experience in Agriculture.

Agricultural Leadership			18201G10010
Credit(s)	2	**Required**	No
Recommended Grade Level	12	**Prerequisites**	None

Through this course, students will gain an understanding of animal production, management, processing, and marketing. Students will develop an understanding of how animal products become products consumers use daily. Students will also learn about many of the agriculture issues that face the agricultural industry today. Learning experiences will include hands-on experiences, field trips, and various classroom and laboratory exercises. Students will work cooperatively and learning leadership skills though FFA and Career Experience in Agriculture.

Horticulture			**03058G10010**
Credit(s)	2	**Required**	No
Recommended Grade Level	10	**Prerequisites**	None

Through this course, students will gain an understanding of plant science as it relates to the Horticulture Industry. Students will develop an understanding of horticulture, floriculture, landscaping, and greenhouse production. Students will also learn about many careers in the Horticulture Industry. Learning experiences will include hands-on experiences, field trips, and various classroom and laboratory exercises. Students will work cooperatively and learning leadership skills through greenhouse production and plant sales.

IHCC Survey of the Animal Industry			18101C06030
Credit(s)	1	**Required**	No
Recommended Grade Level	11-12	**Prerequisites**	None

This course discusses the integration of livestock in a sustainable farming system including small-scale production for niche markets. Topics include appropriate breed selection, nutrition, reproduction, diseases, processing, land management for hogs, poultry, cattle, sheep, and goats. Learning experiences will include hands-on experiences, field trips, and various classroom and laboratory exercises. Students will work cooperatively and learning leadership skills though FFA and Career Experience in Agriculture.

IHCC Introduction to Agricultural Markets			18249C05011
Credit(s)	1	**Required**	No
Recommended Grade Level	11-12	**Prerequisites**	None

Basic marketing principles will be researched, studied, and discussed. Topics include buying, selling, processing, standardizing, grading, storing, and marketing of agriculture commodities. Students will develop a marketing plan. Learning experiences will include hands-on experiences, field trips, and various classroom and laboratory exercises. Students will work cooperatively and learning leadership skills though FFA and Career Experience in Agriculture.

Business Education

Business and Marketing helps to prepare students master the knowledge and skills needed to function as citizens, consumers, employees, managers, business owners, and directors of their economic futures through the study of accounting, business law, career development, communication, computation, economics, personal finance, entrepreneurship, information technology, international business, management, and marketing.

There are 5 courses available with the opportunity to earn 8 credits.

Computer Applications			10004G05010
Credit(s)	1	**Required**	Yes
Recommended Grade Level	9-12	**Prerequisites**	None

One semester of Computer Applications is required for graduation. The course of study includes the proper use of typing skills. The student will develop skills necessary for business and personal computer usage including keying letters, reports, footnotes, resumes, letters of application, and tabulated columns of information. Microsoft word processing is used for the class. Microsoft Excel is also introduced and used extensively in the second semester. Speed is stressed and good proofreading skills are expected.

Multimedia			11151G10010
Credit(s)	1	**Required**	No
Recommended Grade Level	9-12	**Prerequisites**	Computer Application

This is a computer-based class. Computer keyboarding is a prerequisite. In this class the students explore various computer applications. This course centers on the development of skills and knowledge of the mechanics of computer applications. A variety of Elements of the Computers are presented in each course. The areas of the computer consist of Word Processing, Photo Shop, Page Maker, Print Shop, and many others.

General Business			12051G10010
Credit(s)	2	**Required**	No
Recommended Grade Level	9-12	**Prerequisites**	None

This class is taught mainly for Freshmen & Sophomores but may also be taken by Juniors and Seniors. There is no prerequisite. Introduction to Business is an overview of what the business world is all about. Topics covered include needs and wants, banking, credit, insurance, basic economic systems, communication, and exploring career options, to name just a few. It teaches many survival skills useful for later in life.

Accounting			12104G10010
Credit(s)	2	**Required**	No
Recommended Grade Level	11-12	**Prerequisites**	None

This class is primarily offered to Seniors but can be taken by a Junior if the need warrants. There is no prerequisite. Accounting is the "Language of Business," therefore; you will learn to keep accurate records for a business as well as personal records. It is thinking & reasoning class, with minimal math skills being necessary. This class is a definite plus to learning how to survive in the business world.

Graphics			**11153G10010**
Credit(s)	2	**Required**	No
Recommended Grade Level	10-12	**Prerequisites**	Computer Applications

This is a computer-based class. Computer Applications is a prerequisite. In this class the students explore various computer applications. This course centers on the development of skills and knowledge of the mechanics of computer applications. A variety of Elements of the Computers are presented in each course. The areas of the computer consist of Word Processing, Photo Shop, Page Maker, and many others.

Computer Science

Computer Science is understanding how and why technologies work, exploring whether and how technology could solve real-life problems, investigating procedures, creating solutions, and learning about computing systems, programming, data, networks, and the effects on society and the individual. Computer Science is learning how to create new technologies, rather than simply using them.

Careers			**22151G10010**
Credit(s)	2	**Required**	No
Recommended Grade Level	11-12	**Prerequisites**	None
CAREERS is a two-semester coeducational class for students in grades 11 and/or 12. Classroom instruction covers career exploration, identification of personal values and interests, job seeking skills, goal setting and decision-making. Independent living skills are addressed in the second semester covering money management, consumer skills in buying food, clothing, housing, insurance, banking, and credit use.			

Computer Maintenance			**10252G05000**
Credit(s)	2	**Required**	No
Recommended Grade Level	11-12	**Prerequisites**	None
Computer Maintenance courses prepare students to apply basic electronic theory and principles in diagnosing and repairing personal computers and input/output devices. Topics may include operating, installing, maintaining, and repairing computers, network systems, digital control instruments, programmable controllers, and processors.			

Introduction to Computer Programming			**10151G05011**
Credit(s)	1	**Required**	No
Recommended Grade Level	10-12	**Prerequisites**	None

Computer Programming courses provide students with the knowledge and skills necessary to construct computer programs in one or more languages. Computer coding and program structure are often introduced with the BASIC language, but other computer languages, such as Visual Basic (VB), Java, Pascal, C++, and C#, may be used instead. Students learn to structure, create, document, and debug computer programs. Advanced courses may include instruction in object-oriented programming to help students develop applications for Windows, database, multimedia, games, mobile and/or Web environments. An emphasis is placed on design, style, clarity, and efficiency. In these courses, students apply the skills they learn to relevant authentic applications.

Web Development & Programming			**10151G05001**
Credit(s)	1	**Required**	No
Recommended Grade Level	9-12	**Prerequisites**	None

Business Programming courses provide students with experience in using previously written software packages. Topics may include loops, arrays, and functions as well as instruction on how to design and write programs of their own. These courses contain a business industry focus and provide an overview of the principles of object-oriented design and programming (e.g., Visual Basic [VB], C++, Java, RPL) related to the business industry.

IHCC Computer Science Academy

The Computer Science Academy offers students the opportunity to dive into courses within our three computer related programs: Computer Software Development, Cybersecurity & Systems Administration, and Interactive Media Technology. These classes can be taken through our Live Virtual Learning (Zoom) option. This is a one-year program.

Students wishing to pursue this area of interest will take the Indian Hills Community College Computer Science Discovery Academy Courses. These courses earn 1 credit per trimester for Moulton-Udell. The credits earn per class is noted by the class.

Course descriptions can be found at http://indianhills.edu.

1. Fall Term
    a. CSC 110 Introduction to Computers (1 M-U Credit/3 IHCC Credits)
    b. One Option
        i. BCA 185 Beginning Webpage Development (1 M-U Credit/3 IHCC Credits)
        ii. GRD 105 Deisgn Basics (1 M-U Credit/3 IHCC Credits)
2. Winter Term
    a. CIS 216 Web Design & Management (1 M-U Credit/3 IHCC Credits)
    b. One Option
        i. CIS 351 Intro to Database Concepts (1 M-U Credit/3 IHCC Credits)
        ii. SMM 100 Intro to Social Media (1 M-U Credit/3 IHCC Credits)

3. Spring Term
    a. CIS 121 Intro to Programming Logic (1 M-U Credit/3 IHCC Credits)
    b. GRA 280 Audio/Video Production Basics (1 M-U Credit/3 IHCC Credits)

IHCC CONSTRUCTION TECHNOLOGY

Students have the opportunity to explore the many different aspects of the construction field. The hands on curriculum gives students the opportunity to earn 18 college credits in their first year while learning valuable skills in residential, commercial, industrial or public works construction.

Students wishing to pursue this area of interest will take the Indian Hills Community College Rathbun Area Career Academy Construction Technology Courses. These courses earn 1 credit per trimester for Moulton-Udell. The credits earn per class is noted by the class.

Course descriptions can be found at http://indianhills.edu.

1. Year 1
    a. Fall Term
        i. CON 276 Construction Technology I (1 M-U Credit/3 IHCC Credits)
        ii. CON 450 Construction Lab IA (1 M-U Credit/3 IHCC Credits)
    b. Winter Term
        iii. CON 277 Construction Technology II (1 M-U Credit/3 IHCC Credits)
        iv. CON 451 Construction Lab IB (1 M-U Credit/3 IHCC Credits)
    c. Spring Term
        i. CON 278 Construction Technology III (1 M-U Credit/3 IHCC Credits)
        ii. CON 452 Construction Lab IIA (1 M-U Credit/3 IHCC Credits)
2. Year 2
    a. Fall Term
        i. CON 451 Construction Lab IB (1 M-U Credit/3 IHCC Credits)
        ii. CSC 106 Computer Essentials (1 M-U Credit/1 IHCC Credits)
    b. Winter Term
        i. CON 453 Construction Lab IIB (1 M-U Credit/3 IHCC Credits)
        ii. MAT 762 Technical Math (1 M-U Credit/2 IHCC Credits)
    c. Spring Term
        iii. CON 455 Construction Lab IIIB (1 M-U Credit/3 IHCC Credits)
        iv. One Option
            1. ENG 105 Composition I (1 M-U Credit/3 IHCC Credits)
            2. ENG 111 Technical Writing (1 M-U Credit/3 IHCC Credits)

IHCC CRIMINAL JUSTICE

This career academy is for students who want to make the world a safer place. It gives students the opportunity to explore careers in the area of public safety, learn the basics and ethics of criminal justice, and dive in to the procedures, investigations, laws, and more.

Students wishing to pursue this area of interest will take the Indian Hills Community College Criminal Justice Discovery Academy Courses. These courses earn 1 credit per trimester for Moulton-Udell. The credits earn per class is noted by the class.

Course descriptions can be found at http://indianhills.edu.

1. Fall Term
    a. CRJ 100 Introduction to Criminal Justice (1 M-U Credit/3 IHCC Credits)
    b. CRJ 106 Interviewing & Writing Strategies (1 M-U Credit/3 IHCC Credits)
2. Winter Term
    a. CRJ 101 Ethics in Criminal Justice (1 M-U Credit/3 IHCC Credits)
    b. SOC 242 Introduction to Corrections (1 M-U Credit/3 IHCC Credits)
3. Spring Term
    a. CRJ 141 Criminal Investigation (1 M-U Credit/3 IHCC Credits)
    b. SOC 245 Criminal Law (1 M-U Credit/3 IHCC Credits)

IHCC HEALTH SCIENCES

Students will get a chance to explore the vast opportunities within Health Science in the Indian Hills Community College Career Academy. If students complete the full two years, they will have accrued over 30 credits for college.

Students wishing to pursue this area of interest will take the Indian Hills Community College Rathbun Area Career Academy Health Sciences Courses. These courses earn 1 credit per trimester for Moulton-Udell. The credits earn per class is noted by the class.

Course descriptions can be found at http://indianhills.edu.

4. Year 1
    a. Fall Term
        i. HSC 113 Medical Terminology (1 M-U Credit/2 IHCC Credits)
        ii. PNN 147 Nursing Essentials I (1 M-U Credit/3 IHCC Credits)
        iii. SDV 101 How to Be Successful in College (1 M-U Credit/3 IHCC Credits)
    b. Winter Term
        i. HSC 201 Health Care Exploration (1 M-U Credit/2 IHCC Credits)
        ii. HUC Health Unit Coordinator (1 M-U Credit/5 IHCC Credits)
        iii. PSY 111 Introduction to Psychology (1 M-U Credit/3 IHCC Credits)
    c. Spring Term
        i. BIO 161 Basic Anatomy & Physiology (1 M-U Credit/3 IHCC Credits)
        ii. BIO 199 Basic Anatomy & Physiology Lab (1 M-U Credit/1 IHCC Credits)
        iii. WBL 150 Job Shadowing (1 M-U Credit/1 IHCC Credits)
5. Year 2
    a. Fall Term
        i. HSC 204 Nutrition for Health Professionals (1 M-U Credit/3 IHCC Credits)
        ii. PNN 148 Nursing Essentials II (1 M-U Credit/2 IHCC Credits)
    b. Winter Term
        i. HSC 212 Pathophysiology (1 M-U Credit/3 IHCC Credits)
        ii. HSC 220 Legal Principles for Health Care (1 M-U Credit/3 IHCC Credits)
        iii. HSC 226 Health, Society, and Aging (1 M-U Credit/3 IHCC Credits)
    c. Spring Term
        i. HSC 141 Pharmaceutical Applications (1 M-U Credit/1 IHCC Credits)
        ii. HSC 230 Employment Preparation (1 M-U Credit/1 IHCC Credits)
        iii. PSY 121 Developmental Psychology (1 M-U Credit/3 IHCC Credits)
        iv. WBL 154 Job Shadowing in Health Science (1 M-U Credit/1 IHCC Credits)

IHCC INDUSTRIAL MAINTENANCE

Students will learn about maintaining equipment, which is one of the most important jobs at a company. Get ready to get your hands-on experience and learn how to figure out issues and fix machines that use electricity, hydraulics, pneumatics, and computer-controlled motor circuits. Become a "doctor" of machines!

Students wishing to pursue this area of interest will take the Indian Hills Community College Rathbun Area Career Academy Industrial Maintenance Courses. These courses earn 1 credit per trimester for Moulton-Udell. The credits earn per class is noted by the class.

Course descriptions can be found at http://indianhills.edu.

1. Year 1
    a. Fall Term
        i. ELT 151 Industrial Electricity (1 M-U Credit/3 IHCC Credits)
        ii. MAT 762 Technical Math (1 M-U Credit/2 IHCC Credits)
    b. Winter Term: ELE 196 Motor Control Principles (1 M-U Credit/4 IHCC Credits)
    c. Spring Term: ELT 225 Introduction to PLCs (1 M-U Credit/4 IHCC Credits)
2. Year 2
    a. Fall Term
        i. CSC 110 Introduction to Computers (1 M-U Credit/3 IHCC Credits)
        ii. IND 200 Mechanical Drives I (1 M-U Credit/2 IHCC Credits)
    b. Winter Term
        i. IND 204 Fluid Power I (1 M-U Credit/4 IHCC Credits)
        ii. WBL 110 Employability Skills (1 M-U Credit/2 IHCC Credits)
    c. Spring Term
        i. IND 205 Fluid Power II (1 M-U Credit/4 IHCC Credits)
        ii. IND 134 Print Reading (1 M-U Credit/2 IHCC Credits)

ENGLISH LANGUAGE AND LITERATURE

GRADUATION REQUIREMENTS FOR ENGLISH/LANGUAGE ARTS..... 8 Credits
7 Credits must be from Moulton-Udell Courses

ENGLISH Lab			01009G10010
Credit(s)	2	**Required**	Yes
Recommended Grade Level	9-12	**Prerequisites**	None

Language Arts Laboratory courses provide instruction in basic language skills, integrating reading, writing, speaking, and listening, while placing great emphasis on the progress of individual students. Course content depends upon students' abilities and may include vocabulary building, improving spelling and grammar, developing writing and composition skills, reading silently or aloud, and improving listening and comprehension abilities.

ENGLISH I			01001G10010
Credit(s)	2	**Required**	Yes
Recommended Grade Level	9	**Prerequisites**	None

English I is a course designed to promote language and the students' effectiveness to communicate. Students will also review and reinforce their spelling, grammar, language, mechanical skills as well as increase their reading and speaking skills. Students will identify elements of literature and apply the use of themes and genres in their essay writing. Students will increase their research skills and gain knowledge of issues related to topics of literature through the completion of several literature-based units.

ENGLISH II			01002G10020
Credit(s)	2	**Required**	Yes
Recommended Grade Level	10	**Prerequisites**	English I

Students will identify major authors and poets, gain an appreciation of literature, and develop and understanding of both themes and issues in literature. Students will become proficient in expository and literary writing and participate in a variety of literature-based activities. Proper grammar, vocabulary building, and spelling skills continue to be reinforced.

ENGLISH III			01003G10030
Credit(s)	2	**Required**	Yes
Recommended Grade Level	11	**Prerequisites**	English I & II

Students will read and reflect upon literature written by American authors, gain an appreciation of literature from this country, and improve upon their essay writing skills as well as accomplish the process of writing a research paper. Vocabulary, spelling, and grammatical mechanics are essential to good writing. The students' acquired skills will continue to be reinforced and enhanced through the completion of varied literature-based activities.

ENGLISH IV			01052G10010
Credit(s)	2	**Required**	No
Recommended Grade Level	12	**Prerequisites**	English I, II, & III

English/Literature (juniors and seniors) courses are designed for juniors and /or seniors and emphasize comprehension, discernment, and critical-thinking skills in the reading of texts and literature. These courses introduced and explored more advanced literary genres, with the aim of creating sophisticated readers. Writing assignments are required as an additional method to develop and improve critical thinking and analytic skills.

Creative Writing			01104G10010
Credit(s)	2	**Required**	No
Recommended Grade Level	10-12	**Prerequisites**	English I

Creative Writing courses offer students the opportunity to develop and improve their technique and individual style in poetry, short story, drama, essays, and other forms of prose. The emphasis of the courses is on writing; however, students may study exemplary representations and authors to obtain a fuller appreciation of the form and craft. Although most creative writing classes cover several expressive forms, others concentrate exclusively on one particular form (such as poetry or playwriting).

COLLEGE ENGLISH SEQUENCE

ENGLISH 105 COMPOSITION I

Credit(s)	1 M-U 3 College Credits	**Required**	No
Recommended Grade Level	12	**Prerequisites**	English I, II, & III

This course emphasizes competent writing skills, focusing primarily on expository and analytical writing. Particular attention is given to rhetorical modes and to the analysis of social issues and/or literary works. Students will write four to six 500–1000-word essays. Instruction also includes clarity, punctuation, and style. All students enrolled in this course must take the reading and writing portions of COMPASS test given by IHCC.

ENGLISH 106 COMPOSITION II

Credit(s)	1 M-U 3 College Credits	**Required**	No
Recommended Grade Level	12	**Prerequisites**	Composition I

This course introduces the student to the process of research writing using the Modern Language Association documentation style. A thesis-driven report paper and a thesis-driven argumentative essay, both documented in MLS style, will demonstrate the student's proficiency with the research process.

SPEECH 112 PUBLIC SPEAKING

Credit(s)	1 M-U 3 College Credits	**Required**	No
Recommended Grade Level	12	**Prerequisites**	English I, II, & III

This course prepares the student for a variety of speaking situations, both formal and informal. The student will prepare and deliver 5 to 7 speeches using a variety of preparation and delivery strategies. The student will learn how to incorporate research and professional presentational aids into a speech.

FINE ARTS AND WORLD LANGUAGES

GRADUATION REQUIREMENTS……..... 1 Credit from Fine Arts OR World Language

Art I			05155G10010
Credit(s)	2	**Required**	No
Recommended Grade Level	9	**Prerequisites**	None

This is an introductory art class. This course serves as a combination of art appreciation, art history, art design, and hands-on exploration of techniques and mechanics in completing projects in all/various mediums. A variety of Elements of Art are presented in each course. The areas of Elements of Art consist of Line, Shape, Balance, Texture, and many others. The course is presented in forty-five minutes every day.

Art II			05156G10010
Credit(s)	2	**Required**	No
Recommended Grade Level	10	**Prerequisites**	Art I

This is an advanced art class. This course serves as a combination of art appreciation, art history, art design, and hands-on exploration of techniques and mechanics in completing projects in all/various mediums. A variety of Elements of Art are presented in each course. The areas of Elements of Art consist of Line, Shape, Balance, Texture, and many others. The course is presented in forty-five minutes every day.

Band			05101G10010
Credit(s)	2	**Required**	No
Recommended Grade Level	7-12	**Prerequisites**	None

Membership is open to any 7-12 students who play a band instrument. Instrumental music class will meet daily and also require one individual or group lesson. Members can participate in the following: Marching Band, Concert Band, Jazz Band, Pep Band, Honor Band, and solo/ensemble performances. By participating in these bands students will develop listening skills, teamwork, and a lifelong skill in music.

Vocal Music	05110G10010

Credit(s)	2	**Required**	No
Recommended Grade Level	7-15	**Prerequisites**	None

The vocal music students (grade 7-12) receive instruction in the development of the singing voice and a study of the centuries of choral literature created for it. The whole group will meet twice per week, and students will receive 3 individual or group lessons per week. Through daily rehearsals, public performances and participation in contests and festivals, efforts are made to develop the singer's knowledge and talents, and to instill a respect for this art form so that the students may discover a lifetime of enjoyment and improved quality of life.

Other world language courses may be available through Odysseyware.

Spanish I 06101G10010

Credit(s)	2	**Required**	No
Recommended Grade Level	9	**Prerequisites**	None

The student will learn the basics in speaking and writing Spanish. Listening and reading are also ways in which the student will learn. Basics in grammar are taught. The student will also learn about the Spanish, Central American and South American cultures. Daily work is essential for student success in this course. No prerequisites are necessary to take this course, but successful Spanish language students usually have strong English skills. Spanish I is designed to be taught in 2 semesters in a non-discriminating manner to a wide variety of students who have very strong English skills and well-developed study habits since daily work is crucial to success in Spanish.

Spanish II 06102G10020

Credit(s)	2	**Required**	No
Recommended Grade Level	10	**Prerequisites**	Spanish I

A more detailed and continuous study of Spanish is involved in Spanish II. Speaking and writing are essential in learning along with listening and reading. Students will also learn more about the cultures and lives of people from Spain, Central America, and South America. Daily work is essential for successful completion of this course. Spanish II is designed to be taught in 2 semesters in a non-discriminating manner to a wide variety of students who have successfully completed both semesters of Spanish I.

Spanish III			06103GJ10030
Credit(s)	2	**Required**	No
Recommended Grade Level	11	**Prerequisites**	Spanish I & II

Students will learn more about the Spanish language, life, and customs in Spanish III. Short readings are used to acquaint the student with literature written in Spanish. Students also experiment with Spanish foods. Using oral Spanish is emphasized. Daily work is essential for successful completion of this course. Spanish III is designed to be taught in 2 semesters in a non-discriminating manner to a wide variety of students who have successfully completed Spanish I and II.

Spanish IV			06104G10040
Credit(s)	2	**Required**	Yes
Recommended Grade Level	12	**Prerequisites**	Spanish I, II, & III

Literature selections along with magazine and newspaper articles are chosen as topics for discussion in Spanish IV. Demonstrative speeches, skits, and role-playing are examples of other activities used in this course. Problem areas in grammar are revisited, discussed, and strengthened. Using the language is greatly emphasized. Daily work is essential for successful completion of this course. Spanish IV is designed to be taught in 2 semesters in a non-discriminating manner to a wide variety of students who have successfully completed Spanish I, II, and III.

MATHEMATICS

GRADUATION REQUIREMENTS FOR Mathematics..... 6 Credits (3 Years)

RECOMMENDED SEQUENCE

1. Algebra I
2. Geometry
3. Algebra II
4. Math IV
5. College Math
    a. Statistics, College Algebra, & Pre-calculus
    b. Calculus I, Calculus II, & Calculus III
6. Practical Math

Math Lab			**02002G10010**
Credit(s)	2	**Required**	No
Recommended Grade Level	9	**Prerequisites**	None

General Mathematics courses reinforce and expand students' foundational mathematic skills, such as arithmetic operations using rational numbers; area, perimeter, and volume of geometric figures, congruence and similarity, angle relationships, the Pythagorean theorem, the rectangular coordinate system, sets and logic, ratio and proportion, estimation, formulas, solving and graphing simple equations and inequalities.

Practical Math			**02151G10010**
Credit(s)	2	**Required**	No
Recommended Grade Level	9	**Prerequisites**	None

Practical Math is a two-semester course. This course is a junior/senior level class. Practical Math deals with several "Practical" math situations, some examples are checking accounts, cooking (recipes), budgeting, auto/home loans, taxes, planning vacations, and much more. This course also deals with real world applications of algebra, geometry, and other basic mathematical concepts, as well as statistics and probability. Students in this course apply mathematical knowledge to many everyday activities.

Algebra I			**02052G10001**
Credit(s)	2	**Required**	No
Recommended Grade Level	9	**Prerequisites**	None

Algebra I is a two-semester course. It is a course targeted for students intending to continue any type of post-secondary education. Algebra I is a prerequisite for higher level courses. It is a foundation for courses other than mathematics such as science and computer courses. The course includes the mastery of solutions and application of equations and inequalities, graphing, rational expressions, polynomials, factoring, and others. An emphasis will be placed on developing problem solving skills, and social skills involved in cooperative learning situations.

Geometry			**02072G10013**
Credit(s)	2	**Required**	No
Recommended Grade Level	9	**Prerequisites**	Algebra I

Geometry is a two-semester cours.. Geometry is a course designed to help students with reasoning and proof as well as applying general math and algebra to real world situations. Students learn through oral, written, and hands on activities, along with daily assignments, projects, tests, individual and group activities. Some topics covered in Geometry are translations, rotations, reflections, graphing, slopes, formulas (perimeter, area, circumference, etc.), circles, and much more. Students will create portfolios that show the use of Geometry in the real world.

Algebra II			**02056G10014**
Credit(s)	2	**Required**	No
Recommended Grade Level	9	**Prerequisites**	Geometry

Algebra II is a two-semester course. This course is designed for students who have demonstrated success in previous math courses and intend to continue any post-secondary education. This course covers a variety of topics which include language and structure of algebra, algebraic expressions, equations and inequalities, graphing (with and without TI-81 calculators), linear equations and functions, polynomials, complex numbers, and more. Students will work with solving real world algebraic problems and problems that require higher order thinking skills.

Math IV			02110G10004
Credit(s)	2	**Required**	No
Recommended Grade Level	9	**Prerequisites**	Algebra II

Math IV is a pre-calculus course which combines the study of Trigonometry, Elementary Functions, Analytic Geometry, Math Analysis topics as preparation for calculus. Topics include the study of complex numbers; polynomial, logarithmic, exponential, rational, right trigonometric, and circular functions, and their relations, inverses, and graphs; trigonometric identities and equations; solutions of right and oblique triangles; vectors; the polar coordinate system; conic sections; Boolean algebra and symbolic logic; mathematical induction; matrix algebra; sequences and series; and limits and continuity.

COLLEGE MATH SEQUENCE

MATH 156 STATISTICS			
Credit(s)	1 M-U 3 College Credits	**Required**	No
Recommended Grade Level	12	**Prerequisites**	Math IV

This course is a survey of general statistics. Topics include obtaining, presenting, and organizing statistical data; measures of central tendency and variability; probability concepts; probability, normal, and sampling distributions; hypothesis testing; and simple linear regression.

MATH 120 COLLEGE ALGEBRA			
Credit(s)	1 M-U 3 College Credits	**Required**	No
Recommended Grade Level	12	**Prerequisites**	Math IV

Topics in this college-level algebra course include rational expressions, roots and radicals, equations and inequalities, relations and functions, systems of equations and inequalities, and matrices and determinants.

MATH 125 PRE-CALCULUS

Credit(s)	1 M-U 3 College Credits	**Required**	No
Recommended Grade Level	12	**Prerequisites**	Math IV

This course is designed to prepare students for calculus and for any additional math or math-related courses needed in the areas of business or science. Topics include functions and graphs, and polynomial, rational exponential, logarithmic and trigonometric functions, and identities.

Calculus I

Credit(s)	1 M-U 3 College Credits	**Required**	No
Recommended Grade Level	12	**Prerequisites**	Math IV

This is the first course of a full year of calculus. Topics include limits and continuity, differentiation, applications of differentiation and integration.

Calculus II

Credit(s)	1 M-U 3 College Credits	**Required**	No
Recommended Grade Level	12	**Prerequisites**	Math IV

This course is a continuation of Calculus I. Topics include applications of the definite integral; the calculus of exponential, logarithmic and other transcendental functions; and techniques of integration.

Calculus III			
Credit(s)	1 M-U 3 College Credits	**Required**	No
Recommended Grade Level	12	**Prerequisites**	Math IV
This course is a continuation of Calculus II. Topics include parametric equations, polar coordinates, vectors, planes and lines in space, surfaces and vector-valued functions, functions of several variables, and partial differentiation.			

PHYSICAL EDUCATION

GRADUATION REQUIREMENTS FOR Physical Education..... 4 Credits (4 Years)

All physically able students will be required to participate in the school's physical education program for a minimum of one-half credit during each semester they are enrolled with the following exceptions:

1. A 12th grade student may be excused from this requirement by the principal of the school in which they are enrolled if:
    a. the student is enrolled in a cooperative, work-study, or other educational program authorized by the school which requires the student's absence from school premises during the school day
    b. the student is enrolled in academic courses not otherwise available
    c. an organized and supervised athletic program which requires at least as much time of participation per week as one credit of physical education.
2. Students in grades 9-11 may be excused from physical education requirements to enroll in academic courses not otherwise available, but all measures will be taken prior to this excuse, to fit the physical education class into the student's schedule. A student may be excused by the principal in consultation with the counselor, for up to one semester of that school year if the parent or guardian of the student requests in writing student be excused from the physical education requirement. This allowed under the following condition: The student must be participating in an organized and supervised athletic program which requires at least as much time as required by the state standard in physical education.

Physical Education			**08001G05010**
Credit(s)	0.5 per semester	**Required**	Yes
Grade Level	9-12	**Prerequisites**	None

High School physical education students are involved in a variety of activities focusing on lifetime fitness activities, as well as team competitions emphasizing fair play sportsmanship and participation. Students participate in 50-minute sessions on alternating days. Emphasis is placed on self-esteem and a comfortable learning environment. Students are encouraged to participate at a comfortable level and are evaluated primarily by effort and participation.

Weight Training			**08009G05010**
Credit(s)	0.5 per semester	**Required**	Yes
Grade Level	9-12	**Prerequisites**	None

Weight Training courses help students develop knowledge and skills with free weights and universal stations while emphasizing safety and proper body positioning; they may include other components such as anatomy and conditioning.

Health			**08057G10010**
Credit(s)	2	**Required**	No
Recommended Grade Level	10	**Prerequisites**	None

High School Health is a progressive two semester course offered to all High School students but encouraged for 10, 11, & 12th grade students. A variety of methods are employed ranging from discussion, activities, and self-assessment. Areas of emphasis include Nutrition, Substance Abuse, Health Risk Factors, and others. The course is made available in forty-five-minute sessions that meet once daily and is offered as an elective course for all High School age students.

Driver's Education			**08152G05001**
Credit(s)	1	**Required**	No
Recommended Grade Level	9	**Prerequisites**	None

This class is open to students who are at least 14 years of age, and you must be in the 9th grade or above, you must also possess a valid learner's permit at the time class starts. Older students have priority over younger students in case of a class overload situation. Students will receive a minimum of 30 hours of classroom instruction and 6 hours of driving instruction. Students will get experience on country, secondary and primary roadways plus rural small towns and city driving. There is a fee for this course set by the school board.

Peer Tutoring			**22005G05010**
Credit(s)	2	**Required**	No
Recommended Grade Level	10	**Prerequisites**	None

Requires a recommendation from Guidance Department and/or Teacher, Passing Grades, Tenth through Twelfth Grade Students Only. Students enrolled in this class will be supervised in tutoring activities with younger students or peers in the following areas: academics, social skills, or other areas that will support instruction. One credit will be earned for each semester of tutoring. This class is recommended to students interested in pursuing a career in teaching.

SCIENCE

GRADUATION REQUIREMENTS FOR SCIENCE..... 6 Credits (3 Years)

General Science			**03159G10010**
Credit(s)	2	**Required**	No
Recommended Grade Level	9	**Prerequisites**	None

An understanding of the many earth processes occurring around each student daily will be the major goal of this class. They will be exposed to many new principles and theories through a variety of methods ranging from small group discussions, lecture, group activities, research presentations, and laboratory investigations. The major areas of study include rocks and minerals, plate tectonics, earthquakes, volcanoes, weathering and erosion, earth's history, weather and climate, and astronomy.

Biology			**03051G10010**
Credit(s)	2	**Required**	No
Recommended Grade Level	10	**Prerequisites**	None

Biology is the study of life. Therefore, understanding life and life processes are important skills to live a healthy and productive life. Topics of study include cell structure and function, heredity, classification, simple animals, complex animals, and body systems. These concepts will be offered through a variety of methods including small group discussions, lecture, group activities, research presentations and laboratory investigations.

Chemistry			**03101G10010**
Credit(s)	2	**Required**	No
Recommended Grade Level	11	**Prerequisites**	Algebra I General Science

Chemistry is the study of matter, its structure, properties, composition, and the changes it undergoes. Topics include the scientific method and measurement, energy, the structure of atoms, chemical formulas and equations, phases of matter, and acid-base reactions. This course is primarily an application and problem-solving course with a strong emphasis on the introduction of the quantitative nature of science. These concepts will be offered through a variety of methods including small group discussions, lecture, group activities, research presentations and laboratory investigations.

Physics			**03151G10010**
Credit(s)	2	**Required**	No
Recommended Grade Level	11	**Prerequisites**	None

Physics is the science that deals with matter and energy. The course uses logic and mathematics as tools to quantify and describe everyday events like motion, force, gravity, energy, work, waves, sound, light, and electricity. These concepts are put into formulas that can be used to predict results and make decisions. Labs are designed to show how the formulas apply to what happens. Teaching methods include small group discussions, lecture, group activities, research presentations, and laboratory investigations. This course is offered to 11th and 12th grade students who have successfully completed Algebra I and Biology. Physics is offered on an alternating schedule with Chemistry.

Environmental Science			**03203G10010**
Credit(s)	2	**Required**	No
Recommended Grade Level	10	**Prerequisites**	None

Environmental Science is the science that deals with problems facing our society today. Topics include how species interact, types of ecosystems, water pollution, air pollution, the atmosphere and climate, land use, food shortages, endangered species, energy sources, waste disposal, and population growth. These concepts will be offered through a variety of methods including small group discussions, lecture, group activities, research presentations, and laboratory investigations.

Horticulture			**03058G10010**
Credit(s)	2	**Required**	No
Recommended Grade Level	10	**Prerequisites**	None

This year long, co-educational elective course is available to grade 9 through 12. This class will meet for one full class period each day of the school week. Through this course, students will gain an understanding of plant science as it relates to the Horticulture Industry. Students will develop an understanding of horticulture, floriculture, landscaping, and greenhouse production. Students will also learn about many careers in the Horticulture Industry. Learning experiences will include hands-on experiences, field trips, and various classroom and laboratory exercises. Students will work cooperatively and learning leadership skills through greenhouse production and plant sales.

SOCIAL STUDIES

GRADUATION REQUIREMENTS FOR SOCIAL STUDIES..... 6 Credits (3Years)
Must include 1 Year of American History, 1 Semester of Government,
and 1 Semester of Economics with Financial Literacy

Geography			**04001G10010**
Credit(s)	2	**Required**	No
Recommended Grade Level	9	**Prerequisites**	None

A topographical study of the World including climates, resources, governments, contributions of groups and individuals and economics as related to geography and conservation. Required for graduation.

World History			**04053G10010**
Credit(s)	2	**Required**	No
Recommended Grade Level	10	**Prerequisites**	None

A chronological study of World History from the first Civilization to modern times. The contribution of different Civilizations, religions, cultures, and individual are covered. Required for graduation.

American History			04053G10010
Credit(s)	2	**Required**	Yes
Recommended Grade Level	11	**Prerequisites**	None

This course provides an in-depth study of key events, people, and issues in the history of the U.S. Special emphasis is placed on basic ideas and skills such as “cause and effect” relationships, multiple causation of events, economic interdependence between world regions, the use of historical data to solve problems, and the development of a timeline perspective in studying the nation’s history. The focus of the course is on themes, issues, events, people, and concepts that help the student relate to the past, present and future. Required for graduation.

Government			**04152G05010**
Credit(s)	1	**Required**	Yes
Recommended Grade Level	12	**Prerequisites**	None
This course includes the study of national, state, and local governments, limits on citizenship, law, civil rights and liberties and bureaucrats. Politics are included plus problems of governments today. Required for graduation.			

Economics with Financial Literacy			**04201G05020**
Credit(s)	1	**Required**	Yes
Recommended Grade Level	12	**Prerequisites**	None
This includes the contributions of great economists, trends in Economics, basic economics, supply and demand, Gross National Product, household consumption, business investment, public spending, and the deficits. Economic cycles, unemployment, plus conservation of resources are also covered. Financial literacy concepts are also covered. Required for graduation.			

Psychology			**04254G10010**
Credit(s)	2	**Required**	No
Recommended Grade Level	12	**Prerequisites**	None
Psychology courses introduce students to the study of individual human behavior. Course content typically includes (but is not limited to) an overview of the field of psychology, topics in human growth and development, personality and behavior, and abnormal psychology.			

Sociology			**04258G10010**
Credit(s)	2	**Required**	No
Recommended Grade Level	12	**Prerequisites**	None
A systematic study of social behavior and groups - Including methods of research, organization of social life, associations, deviance and social control, inequality, stratification, by race and ethnicity, gender, and age.			

POST SECONDARY EDUCATION OPPORTUNITIES

College Credit offered over the internet in a Live Virtual Learning setting OR on the Indian Hills Community College Centerville Campus.

Students taking classes for college credit are expected to meet the entrance requirements of the institution. This would include all pre-testing, paperwork, timelines, and required forms needed to add or drop.

In order to take College English, College Math, and other online college courses, students must have a 3.0 cumulative Grade Point Average or Higher.

In order to take the College Math courses, students must have taken or be enrolled in Math IV.

Juniors will be allowed the opportunity to take 1 course per term, and seniors will be allowed to take two courses per term. This does not apply to Rathbun Area Career Academies or Discovery Academies.

Students will be allowed to withdraw from 1 college course during their career at M-U without penalty. Students seeking to withdraw from a second college course will be required to finish the course and will receive the grade the earn.

Students who receive a failing semester or trimester grade (F) in a college course will not be allowed to take or enroll in additional college courses.

COLLEGE ENGLISH

ENGLISH 105 COMPOSITION I

Credit(s)	1 M-U 3 College Credits	**Required**	No
Recommended Grade Level	12	**Prerequisites**	English I, II, & III

This course emphasizes competent writing skills, focusing primarily on expository and analytical writing. Particular attention is given to rhetorical modes and to the analysis of social issues and/or literary works. Students will write four to six 500–1000-word essays. Instruction also includes clarity, punctuation, and style. All students enrolled in this course must take the reading and writing portions of COMPASS test given by IHCC.

ENGLISH 106 COMPOSITION II

Credit(s)	1 M-U 3 College Credits	**Required**	No
Recommended Grade Level	12	**Prerequisites**	Composition I

This course introduces the student to the process of research writing using the Modern Language Association documentation style. A thesis-driven report paper and a thesis-driven argumentative essay, both documented in MLS style, will demonstrate the student's proficiency with the research process.

SPEECH 112 PUBLIC SPEAKING

Credit(s)	1 M-U 3 College Credits	**Required**	No
Recommended Grade Level	12	**Prerequisites**	English I, II, & III

This course prepares the student for a variety of speaking situations, both formal and informal. The student will prepare and deliver 5 to 7 speeches using a variety of preparation and delivery strategies. The student will learn how to incorporate research and professional presentational aids into a speech.

COLLEGE MATH

MATH 156 STATISTICS

Credit(s)	1 M-U 3 College Credits	**Required**	No
Recommended Grade Level	12	**Prerequisites**	Math IV

This course is a survey of general statistics. Topics include obtaining, presenting, and organizing statistical data; measures of central tendency and variability; probability concepts; probability, normal, and sampling distributions; hypothesis testing; and simple linear regression.

MATH 120 COLLEGE ALGEBRA

Credit(s)	1 M-U 3 College Credits	**Required**	No
Recommended Grade Level	12	**Prerequisites**	Math IV

Topics in this college-level algebra course include rational expressions, roots and radicals, equations and inequalities, relations and functions, systems of equations and inequalities, and matrices and determinants.

MATH 125 PRECALCULUS

Credit(s)	1 M-U 3 College Credits	**Required**	No
Recommended Grade Level	12	**Prerequisites**	Math IV

This course is designed to prepare students for calculus and for any additional math or math-related courses needed in the areas of business or science. Topics include functions and graphs, and polynomial, rational exponential, logarithmic and trigonometric functions, and identities.

Calculus I

Credit(s)	1 M-U 3 College Credits	**Required**	No
Recommended Grade Level	12	**Prerequisites**	IHCC Pre-calculus

This is the first course of a full year of calculus. Topics include limits and continuity, differentiation, applications of differentiation and integration.

Calculus II

Credit(s)	1 M-U 3 College Credits	**Required**	No
Recommended Grade Level	12	**Prerequisites**	IHCC Calculus I

This course is a continuation of Calculus I. Topics include applications of the definite integral; the calculus of exponential, logarithmic and other transcendental functions; and techniques of integration.

Calculus III

Credit(s)	1 M-U 3 College Credits	**Required**	No
Recommended Grade Level	12	**Prerequisites**	IHCC Calculus II

This course is a continuation of Calculus II. Topics include parametric equations, polar coordinates, vectors, planes and lines in space, surfaces and vector-valued functions, functions of several variables, and partial differentiation.

OTHER COLLEGE COURSES

Students may also take part in the Indian Hills Community College Rathbun Area Career Academy Health Sciences, Construction Technology, Agriculture, and Industrial Maintenance. Students go to the Centerville Campus for classes. Year one students attend in the morning, while year two students attend in the morning.

INDEPENDENT STUDY

There are specific situations that necessitate the school to allow a student to pursue a particular course that is (1) not a part of the written curriculum, or (2) not available due to scheduling problems. When the student indicates a need to take such a course, they are required to contact the counselor and follow these procedures:

1. The course must be a legitimate course of study.
2. The course must be a 7th or 8th class in the student's schedule or designed to rectify a specific student-scheduling problem. This means that the student must have 6 other classes before the Independent Study course.
3. There must be a teaching staff member that will develop and supervise the course of study.
4. The amount of class work involved must be equal to the 200 minutes per week that is required of any credit class for a semester.
5. The course must be approved by the supervising teacher, the counselor, the principal and signed by the student's parent or guardian.
6. The course may be taken for a letter grade or on a pass-fail basis, depending on a prior arrangement between the student and the supervising teacher.