

Madison East High School



Program of Studies
2010-2011

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This booklet provides information to students, helping them plan a challenging and appropriate program of study. The process of choosing classes involves consideration of graduation requirements, vocational plans, college entrance requirements, student's abilities and student's interests. We hope that students will make use of this booklet in planning a program of study and also discuss course selection with counselors, teachers and parents.

GRADUATION REQUIREMENTS

The Madison Metropolitan School District requires students to successfully complete 22 credits for graduation from high school. Credits are required in the following areas:

1. **English – 4 credits to include:**

English 9	2 semesters
English 10	2 semesters
English 11	2 semesters
English Elective	2 semesters

2. **Social Studies – 3 credits to include:**

Grade 9	U.S. History – 2 semesters
Grade 10	World History – 2 semesters
Grade 11	U.S. History Since 1950 – 1 semester
Grade 12	Social Studies elective – 1 semester

3. **Mathematics – 2 credits**
Students must complete two years of high school math with a minimum of Algebra and Geometry or Integrated Math 1 and 2 to obtain a diploma.

4. **Science – 2 credits**

5. **Physical Education – 1.5 credits to include:**

Grade 9	Physical Education – 1 semester
Grade 10	Physical Education – 1 semester
Grade 11 or 12	Physical Education elective – 1 semester

6. **Health - .5 credit**

Grade 9	Health – 1 semester (State Requirement)
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Students may fulfill elective requirement by course selection in the following areas:

Business, Marketing & Computers	Music	Art
Family & Consumer Sciences	Reading	Aviation
Foreign Language	Technology	AVID

*We recommend that students earn one credit in each Career/Technology (CTE) area and Fine Arts (FA).
(See page 5 for more details)*

-
- Refer to appropriate grade-level Course Request Card.
 - Make sure you are taking required courses for current grade level:
 - 9th: English, U.S. History, Science, Mathematics, Health, Physical Education
 - 10th: English, World History, Science, Mathematics, Physical Education
 - 11th: English, U.S. History Since 1950's, Physical Education
 - 12th: English & Social Studies Elective
 - Examine the course titles in your Program of Study. Before selecting a course, read the course description. If you still have questions, see a departmental teacher, school counselor, or administrator. Make course selections with regard to your future plans. Work from a four-year plan (page 3) so you can be sure of getting the courses you need.
 - Verify that you have the minimum required number of credits.
 - 9th: 6 credits
 - 10th: 6 credits
 - 11th: 6 credits
 - 12th: 5 credits*(Any variation must be approved by principal, counselor and parent.)
 - Check for prerequisites and obtain instructor's signatures if required.**
 - We recommend that every East High School student complete at least one credit of career and technology education (CTE) and one credit of fine arts (FA). These courses are marked in the Program of Studies if they fulfill this recommendation. See page 5 for more information.
 - If you are college-bound, you will need to be aware of minimum college entrance requirements. (See pages 10-11)
 - Prior to completing the scheduling process, parents and guardians are expected to review and sign Course Request Cards. **Please double check course numbers because what is entered on the Course Request Card and into the computer becomes your schedule request.**
 - If there are any questions, please seek help from your counselor (page 4) or case manager.

GRADE 9

Semester 1		Semester 2
1	English	English
2	US History	US History
3	Math	Math
4	Biology	Biology
5	*Health	*Physical Education
6	Elective:	Elective:
7	Elective or SH:	Elective or SH:

Grade 10

Semester 1		Semester 2
1	English	English
2	World History	World History
3	Math	Math
4	Science	Science
5	Physical Education	Elective:
6	Elective:	Elective:
7	Elective or SH:	Elective or SH:

Grade 11

Semester 1		Semester 2
1	English	English
2	*US History Since 1950	*Physical Education
3	Elective:	Elective:
4	Elective:	Elective:
5	Elective:	Elective:
6	Elective:	Elective:
7	Elective or SH:	Elective or SH:

Grade 12

Semester 1		Semester 2
1	English Elective:	English Elective:
2	*Social Studies Elective:	Elective:
3	Elective:	Elective:
4	Elective:	Elective:
5	Elective:	Elective:
6	Elective:	Elective:
7	Elective or SH:	Elective or SH:

*Either Semester

STUDENT SUBJECT LOAD

The minimum number of credits that should be scheduled each year is:

Grade 9 --- 6 credits

Grade 10 --- 6 credits

Grade 11 --- 6 credits

Grade 12 --- 5 credits

(assignments for 2010-2011 yet to be determined)

	9 th	10 th	11 th	12 th
Ms. Gillis 204-1635 jgillis@madison.k12.wi.us	B-C	B-C	B-E	B-E
Ms. Kruger 204-1632 ekruger@madison.k12.wi.us	K, N-Q X-Z	K, N-Q, R X-Z	N-Q X-Z	N-Q X-Z
Ms. Callis 204-1631 mcallis@madison.k12.wi.us	H-J W	H-J W	H-K W	G-K W
Ms. Gary 204-1634 kgary@madison.k12.wi.us	D-E L-M	D-E L-M	L-M & AVID	L-M & AVID
Mr. Nash 204-1636 lnash@madison.k12.wi.us	A, F S-V	A, F S-V	A, F S-V	A, F S-V
Mr. Nigh 204-1633 jnigh@madison.k12.wi.us	G,R ELL	G ELL	G,R ELL 1-4	R ELL 1-4
Darlene Vitzthum (Secretary) 204-1638 Kristi Salvisberg (Registrar) 204-1745 Kristi Vitale-Gehardt (Records) 204-1629				

Schedule Changes and Procedures

2010-11

Schedule Change Requests

Students are given several days to look through the Program of Studies and to ask questions of parents, teachers, and counselors before making their final selections for the coming year on their Course Request Cards.

Student course selections will be arranged into schedules prior to the end of the school year. Students will receive schedules in the spring of each year. **Any and all schedule changes need to be completed during the month of May, 2010.** See your counselor for schedule changes.

Dropping Classes

- Students cannot drop below required minimum load for their grade level. Drops made from the **1st day of the first week through the 7th week** require written permission of parents, Counselor, Teacher, Assistant Principal, and Case Managers. Students dropping courses after the first week of classes should expect to be placed in study hall.
- Classes cannot be dropped after the 7th week without penalty. Drops after the 7th week will result in a grade of "F" for the semester, which is called an "F-Drop."
- Athletes must check with the athletic office to see if they will still be enrolled in the required amount of courses to enable them to participate in sports. This is a WIAA rule – it is the student's responsibility to ensure they are in compliance.

Student Subject Load

The required minimum number of credits to be scheduled each year in order to graduate on time is:

Grade 9 --- 6 credits

Grade 10 --- 6 credits

Grade 11 --- 6 credits

Grade 12 --- 5 credits

East is a comprehensive high school committed to developing the personal, social, and academic potential of all students. This is accomplished through:

- a challenging, personalized, interactive, multi-cultural curriculum;
- a community-based educational partnership;
- effective coordination of services with community partners.

We believe that the mastery of communication, technological, scientific, rational, creative, and social skills are keys to success in the 21st century. It is recommended that all students plan a high school program of studies which includes not only the most challenging academic curriculum in required content areas, but also the study of **1 credit of Fine Arts (FA) and 1 credit of Career and Technology Education (CTE)**. Many of the required and elective courses will enable our students to meet this recommendation and are labeled with the following acronyms:

FA – Fine Arts Course – fine arts describes a myriad of classes taught by certified music, art, dance, and theatre teachers. Curricular areas were developed within the framework of the Madison Metropolitan School District K-12 Fine Arts Standards for Performance, Visual Arts, Dance, and Theatre.

CTE – Career and Technology Education Designation – Career and technology education is about helping students fulfill their working potential. First and foremost, it is about high school education that provides students with:

- academic subject matter taught with relevance to the real world, often called contextual learning
- employability skills, from job-related skills to workplace ethics
- education pathways that help students explore interests and careers in the process of progressing through school

Career and technology education courses at East High are primarily taught in the Technology Education, Family and Consumer Science, Aviation, and Business/Marketing departments. Other departments, such as Art, also offer courses that fulfill this recommendation.

Grade Placement

Beginning in the fall of 1980, the Madison Metropolitan School District instituted a policy stating that grade placement of students depends on the number of credits earned.

NOTE: Twenty-two credits are required for graduation. Seniors are expected to maintain credits necessary to qualify them for graduation. A student must earn 20.5 credits by the end of semester 2 and be enrolled for the remainder of summer school in order to participate in the graduation ceremony. Students transferring in from other high schools will have transcripts evaluated with the previous school's requirements taken into consideration.

Early Graduation

Early graduation is open to all East High students meeting the regular graduation requirements. A student interested in graduating early should obtain an application from his or her counselor. Normally this is done at least one semester prior to the date of early graduation. Before final approval of an early graduation request, a parent-principal-counselor conference is recommended.

Rank in Class/GPA

The student's grade point average (GPA) and rank in class are available after each semester. Grade point average is calculated by equating A=4, B=3, C=2, D=1, F=0. Classes that grade on a pass/fail basis are not included in grade point average. Physical Education classes are included in GPA unless parents sign off on GPA.

Transcript Procedures for Retaken Classes

To increase proficiency/mastery or gain credit, students are allowed to retake a course if an F, D, C, or B grade has been earned. There are three categories of course retakes:

1. The identical course (may be a different instructor) taken during the school year at the next scheduled offering of the course unless an exception is granted by the principal.
2. An "equivalent" course (e.g., Algebra 1) taken during the school year at the next scheduled offering unless an exception is granted by the principal.
3. A summer school "equivalent." High school principals will determine each year those courses in the summer school offering which are "equivalent;" e.g., U.S. History – semester 1 summer school equivalent to U.S. History 9, semester 1.

The transcript for students reflects all the courses taken and grades earned. For categories 1, 2, and 3 retakes, both grades, original and retake, will appear on the transcript. The higher of the two grades, original and retake, becomes the GPA grade. The lower of the two grades is not included in GPA calculations, nor is credit granted.

Incompletes

Students must submit course work for incompletes by the end of the 2nd week following the grading period in which the incomplete was given. Incomplete grades will result in an "F" after the two weeks.

Advanced Placement

The Advanced Placement (AP) program allows students to take college level courses which are taught within the high school. Course content is prescribed to prepare students specifically for the Advanced Placement tests, which may be taken in May and are graded on a 1-5 basis. Colleges and universities generally grant transcript credit for scores of 3 or above. The cost of AP tests is \$95.00, although a partial fee waiver is available to students who qualify for free/reduced lunch. Students may take AP tests in any subject area even if they are not enrolled in formal AP classes. Student success on AP exams is directly related to the diligence of study in the particular subject area. East currently offers the following Advanced Placement classes:

- French Language – Advanced Placement
- Spanish Language – Advanced Placement
- Calculus AB – Advanced Placement
- Calculus BC – Advanced Placement
- Statistics – Advanced Placement
- Music Theory – Advanced Placement
- Language and Composition – Advanced Placement
- Literature and Composition – Advanced Placement
- Physics C: Mechanics – Advanced Placement
- Macroeconomics – Advanced Placement
- Microeconomics – Advanced Placement
- Psychology – Advanced Placement
- American Politics and Government – Advanced Placement
- European History – Advanced Placement

AVID

AVID is a college readiness program for qualifying students to receive support – academic and social – as they develop the faculty for advanced courses in high school. Students in the program enroll in an AVID course where they learn goal setting, note-taking, writing skills, and reading strategies for each of their high school years. Motivational activities include speakers, field trips, college visits, and seminars.

Prerequisites: AVID program students have average to high test scores, a 2.0-3.5 qualifying GPA, college potential with support, desire, and determination. AVID students must also meet one or more of the following criteria: first to attend college, historically underserved in four-year colleges, low income, and/or have special circumstances. Students apply and are admitted into the program beginning with their freshman year. Please see a counselor for the application.

Credit for Non-MMSD Courses

Credits earned for graduation will consist of Carnegie Units awarded by MMSD high schools or other accredited high schools in which the student was physically enrolled. Credits will also be granted for State mandated extensions of MMSD credit such as Youth Options Program credits or Youth Apprenticeship Program credits.

Credits awarded by any other institutions or because of a court mandate may continue to be listed in an appropriate fashion on the student's summary of courses taken. However, **no credit** will be granted by the District and the grade will **not** be calculated into the student's Grade Point Average (GPA). Exceptions to this must be approved **prior** to taking the course.

Honors

Honors courses (formerly known as TAG courses) are offered in English, Social Studies, Science, and Math. Specific course descriptions appear within subject area contents. Honors courses offer motivated, willing, and able students opportunities to learn in an environment that demands and supports the following:

- In-depth content study
- Extensive and varied reading
- Critical and analytical discussion
- Increasingly sophisticated research and writing
- A high degree of student independence and responsibility

See Individual course descriptions for prerequisites and signature requirements.

Independent Study

Independent study provides an opportunity for students to pursue a study or research program in areas of their choosing. The Independent Study course may be elected in place of a fifth subject or may be in addition to the required normal load. No more than one-half credit may be earned in Independent Study in one semester and no more than two credits during the whole of high school. To participate in this program, a student first finds an advisor in the department from which he or she desires to earn credit. After securing an application from his/her School Counselor, the student meets with his/her advisor to work out a mutual agreement on objectives, activities, schedules, and evaluation procedures in the form of a contract. Independent Study credit is graded on a pass/fail basis. Independent study can not be granted in lieu of the core academic courses.

MMSD's Madison Virtual Campus

Is online learning right for you? To find out, please visit: <http://oldweb.madison.k12.wi.us/tnl/mvc/>. If you have questions, please talk to your counselor or meet with the East High School MVC Coordinator.

Youth Apprenticeship – Grades 11 & 12

A Youth Apprenticeship program is a unique opportunity for juniors and seniors to start preparing for a career while still in high school. The two-year program provides the opportunity for work-based learning, occupational instruction, and academic education. As a youth apprentice you will earn an hourly wage while learning from skilled professionals. Upon completion you will receive your high school diploma and a Business/Industry Skill Certificate. Current programs are being offered in Auto Technician, Biotechnology, Finance, Health, Manufacturing-Plastics, Printing, Tourism, Pharmacy Technician, Production Ag, and Information Technology. Any student interested should see their School Counselor.

Youth Options

The Madison Metropolitan School District is required to pay for a course taken by a high school student at a post-secondary institution if a comparable course is not offered anywhere in the school district.

If you wish to participate in the Youth Options program during the 2010-2011 school year, please:

1. Discuss your plans with your school counselor, and
2. Complete a Youth Options Program Plan and Report application form. Youth Options Program Plan and Report applications are available in the East High School Student Services Center (room 2031) along with envelopes addressed to the Director of Student Services and Alternative Education.
3. Obtain from the college and attach to the application form a course syllabus for each course, and
4. Mail the application and course syllabus to Nancy Yoder, Director of Student Services and Alternative Education.
5. Deadlines for Youth Options at MATC are March 1 for the fall semester and October 1 for the spring semester. Contact Ms. Yoder for other deadlines.

MATC Youth Options General Guidelines:

1. By March 1 for the fall semester, and October 1 for the spring semester, students must notify the school board of their intention to participate in the Youth Options Program. The application for participation must arrive in the office of the Director of Student Services and Alternative Education or be postmarked by the deadline dates. Applications may be obtained in the Student Services office at East High School.
2. The Youth Options Program does not apply to summer school or to Independent Study.
3. The MMSD is required to pay for a course taken by a high school student at a post-secondary institute if a comparable course is not offered anywhere in the district.
4. Courses not approved through Youth Options may be taken for high school credit with prior approval of the principal if paid for by the student and if a comparable course is not offered anywhere in the district.
5. Eleventh and twelfth grade students must carry the minimum high school required credit load each semester, including Youth Options credits.

6. Youth Options courses will be recorded on the student's transcript and will be figured in the GPA.
7. Requirements for participation in the Youth Options Program at MATC:
 - Be in good academic standing (2.5 cumulative high school grade point average).
 - Attend an information meeting offered by MATC.
 - Meet MATC prerequisites listed on MATC web page – <http://matcmadison.edu/>.
 - Submit application to the MMSD Director of Student Services and Alternative Education office by the March 1 or October 1 deadline. Be certain that courses and course numbers are accurate and that the application is complete.
 - Once approved by MMSD, call the MATC Admissions Office (246-6205). Ask for the Youth Options Coordinator to secure an application. Students will be admitted on a space available basis.
 - Attend the mandatory orientation at MATC prior to registering. MMSD will forward the original application to MATC prior to the orientation meeting. Students should request that a copy of their high school transcript be sent to the Youth Options Coordinator.
 - Meet with MATC Youth Options Coordinator twice per semester.
 - Pay promptly for courses, materials, and fees not covered by MMSD. Note: High school students are not eligible for financial aid.
 - Meet course and attendance requirements at MATC. (Students and parents are responsible for meeting attendance and course requirements. High schools do not monitor attendance of students at MATC.)

Work Credit

Students who are behind in credits and at least 16 years old may apply for work credit if they are carrying a normal subject load. Students will receive ½ credit per semester if they are working at least 10 hours per week for the 18 weeks of the semester. Students must sign up with their counselors and complete the necessary forms at the beginning of each semester to receive this credit. A maximum of two credits can be earned by work credit.

Alternative Programs Offered in the District for which East students may be eligible

Contact Larry Nash at East High for further information on the referral process.

<http://altdweb.madison.k12.wi.us/>

Program Name	Grade Levels	Eligibility Requirements
East High Higher Ground	9-12	Special Education only
East High Turning Point	9-12	Special Education only
School Age Parent Program (SAPAR)	5-12	Pregnant/Parenting
AERO	9	Referral Process
Malcolm Shabazz	9-12	Referral Process
Transition Learning Center	9-12	Referral Process
Dane County Jail	14-21 years	Court System Only
Diploma Completion Program	16-21 years	Referral Process
MATC for Credit	16-20 years	Special Entrance Reqs (Referral/Contract)
Work & Learning Center	3 rd Yr H.S.	Referral Process
Omega HSED/GED	17-18.5 yrs	Referral Process/Contract
Operation Fresh Start HSED/GED	17-18.5 yrs	Referral Process/Contract
MATC HSED/GED	18-18.5 yrs	Referral Process/Contract

University of Wisconsin System Admissions Requirements

Subject	Credits
English	4 credits
Mathematics	3*
Natural Science	3*
Social Studies/History	3
College Prep Electives	4 (from above and/or foreign language)

* All UW Systems schools require 3 credits of math and science. Math courses must include Algebra/Trig or Integrated Math 3.

Class Rank & ACTs: All UW System schools require college entrance exams. Both ACT or SAT are accepted. The minimum entrance requirements (i.e. class rank, ACT/SAT scores) may be found at: <http://uwhelp.wisconsin.edu/> or email uwhelp@learn.uwsa.edu or call 800-442-6459.

Technical College/Associate Degree Programs

MATC offers two-year programs leading to Associate Degrees and one-year programs leading to vocational diplomas. Each program has its own set of entrance requirements and/or recommended high school courses. Students should see their high school counselors to determine the requirements for a specific program. MATC also offers a college transfer program: Liberal Arts Transfer. In this program students may earn credits at MATC that will transfer to the UW System schools and other colleges. Please be aware that transfers to UW System schools require a specific number of credits and GPA. Transfer policies will vary from college to college. All programs at MATC require tests (ASSET or COMPASS) which are given at MATC.

Independent College/University Admission Requirements

Since entrance requirements vary greatly from college to college, it is impossible to make a general statement that would apply to all colleges and universities. Students are advised to consult with their counselors about the entrance requirements of specific colleges. It is the students' responsibility to familiarize themselves with college entrance requirements and to plan their high school program accordingly.

Students who can meet entrance requirements at UW Madison will satisfy requirements at most colleges in this category. Students should be aware that most private colleges require an ACT or SAT test, and that some competitive colleges will require a higher class rank and the SAT II test.

Some colleges in the United States will require SAT II (Achievement) tests in addition to the SAT I or ACT test. Colleges that require SAT II tests are usually the most competitive schools in terms of admissions standards. SAT II tests are one hour long tests in specific subjects. Students who plan to apply to schools that require SAT II should research college admission requirements.

Foreign Language Policies

UW-Madison and UW-Eau Claire require 2 years of a single high school foreign language for admission. Students should be aware of the foreign language requirements of other schools of interest. Note that specific schools and colleges may have additional foreign language requirements for college graduation. Many colleges will require freshmen to take a placement exam in the foreign language they studied in high school. Upon acceptance, students should inquire about this process. In addition, students may also want to explore the availability of retroactive credits (retro-credits) for foreign language classes taken in high school. Furthermore, if students take an AP foreign language exam, they should seek guidance regarding the availability of college credit.

Course Name	Semesters Offered	Course Number	Grade Levels			
			09	10	11	12
Exploratory 1 – 2D (Formerly Foundations in Art)	Sem 1	ART 101	x	x	x	x
Exploratory 1 – 3D (Formerly Foundations in Art)	Sem 2	ART 102	x	x	x	x
Ceramics & Sculpture 1	Sem 1	ART 111/112	x	x	x	x
Ceramics & Sculpture 1	Sem 2	ART 113/114	x	x	x	x
Drawing Realistically	Sem 1	ART 151	x	x	x	x
Drawing & Design	Sem 2	ART 152	x	x	x	x
Advanced Exploratory 2D	Sem 1	ART 203		x	x	x
Advanced Exploratory 3D	Sem 2	ART 204		x	x	x
Ceramics & Sculpture 2	Sem 1	ART 211/212		x	x	x
Ceramics & Sculpture 2	Sem 2	ART 213/214		x	x	x
Art Metals & Jewelry 1 – Fabrication & Soldering	Sem 1	ART 221		x	x	x
Art Metals & Jewelry 1 – Casting & Cold Joining	Sem 2	ART 222		x	x	x
Painting with Acrylics	Sem 1	ART 231		x	x	x
Painting with Oils & Watercolors	Sem 2	ART 232		x	x	x
Drawing Realistically 2	Sem 1	ART 251		x	x	x
Drawing & Design 2	Sem 2	ART 252		x	x	x
Commercial Art 1 – Graphic Design & Typography	Sem 1	ART 281		x	x	x
Commercial Art 1 – Illustration & Photography	Sem 2	ART 282		x	x	x
Ceramics & Sculpture 3	Sem 1	ART 311/312			x	x
Ceramics & Sculpture 3	Sem 2	ART 313/314			x	x
Art Metals & Jewelry 2 – Adv Fabrication & Soldering	Sem 1	ART 321			x	x
Art Metals & Jewelry 2 – Adv Casting & Cold Joining	Sem 2	ART 322			x	x
Painting 2 – Grid Enlargement & Research	Sem 1	ART 331			x	x
Painting 2 – Advanced Painting Techniques	Sem 2	ART 332			x	x
Advanced Art	Sem 1 or 2	ART 341/342			x	x
Advanced Art	Sem 1 or 2	ART 343/344			x	x
Commercial Art 2	Sem 1 or 2	ART 381/382			x	x
Ceramics & Sculpture 4	Sem 1 or 2	ART 413/414				x
Art Metals & Jewelry 3	Sem 1 or 2	ART 421/422				x
Painting 3	Sem 1 or 2	ART 433/434				x

Exploratory 1 – 2D (Formerly Foundations in Art – 2D)

ART 101 .5 credit Semester 1 Grade: 9, 10, 11, 12

No Prerequisites

Meets Recommendation: FA

Interested in drawing, painting, hand-made books, composition, and design? This fall semester class exploratory focuses primarily on two-dimensional work. It is an excellent class for both students who are interested in pursuing serious study in art and those who want a creative break in their day. Art vocabulary and technique are taught through expressive hands-on art making experiences including units of study on colored pencils, pastels, paint, ink, paper and fabric.

Exploratory 1 – 3D (Formerly Foundations in Art – 3D)

ART 102 .5 credit Semester 2 Grade: 9, 10, 11, 12

No Prerequisites

Meets Recommendation: FA

Interested in art metals, glass, ceramics, sculpture, and design? This spring semester exploratory focuses primarily on three-dimensional work. It is an excellent class for both students who are interested in pursuing serious study in art and those who want a creative break in their day. Art vocabulary and technique are taught through

expressive hands-on art making experiences. Units of study include cardboard design, glass, metal, clay, papier-mâché, found art, and wire sculpture.

Ceramics and Sculpture 1

ART 111/112 .5 credit

Semester 1

Grade: 9, 10, 11, 12

No Prerequisites

Meets Recommendation: FA

This fall semester class introduces basic hand-building, wheel-throwing, surface decoration, and glazing techniques used in making CLAY artwork. Units of study include pinch/coil form, slab/mold form, slab box, and basic wheel-thrown constructions. ***Art 112:** *Students returning/continuing in Ceramics 1 for your second semester will continue to build on prior skills through more advanced problems in wheel-throwing and/or hand-building. Projects may include: lidded forms, plates/platters, donut forms, independent work and a teapot set.*

Ceramics and Sculpture 1

ART 113/114 .5 credit

Semester 2

Grade: 9, 10, 11, 12

No Prerequisites

Meets Recommendation: FA

This spring semester class introduces basic hand-building skills with an emphasis on sculpting and modeling clay. Basic wheel-throwing, surface decoration and glazing will also be covered. Units of study include: sculpting clay heads, figures, musical instruments and basic wheel-thrown constructions. ***Art 114:** *Students returning/continuing in Ceramics 1 for your second semester will continue to build on prior skills through more advanced problems in wheel-throwing and/or hand-building. Projects may include: lidded forms, plates/platters, donut forms, independent work and a teapot set.*

Drawing Realistically

ART 151 .5 credit

Semester 1

Grade: 9, 10, 11, 12

No Prerequisites

Meets Recommendation: FA

EVERYONE CAN LEARN HOW TO DRAW! The fall semester of Drawing develops the skills for observational drawing and introduces the student to the concept of drawing from "the right side of the brain." Students learn how to draw realistically. Whether you've never drawn in your life or you draw on a regular basis, this class is for you. Your drawing skills will improve by taking this class. Units of study include observational exercises, 2D design, the still life, charcoal portraiture, a self-portrait, and more.

Drawing & Design

ART 152 .5 credit

Semester 2

Grade: 9, 10, 11, 12

No Prerequisites

Meets Recommendation: FA

EVERYONE CAN LEARN HOW TO DRAW! The spring semester of Drawing explores a variety of drawing materials, drawing with color, using imagination and personal research for image making, and understanding the elements and principles of design. Whether you've never drawn in your life or you draw on a regular basis, this class is for you. Your drawing skills will improve by taking this class. Units of study include 2-D design, color pencils, scratchboard, grid enlargement, and working with a variety of drawing materials.

Advanced Exploratory 2D

ART 203 .5 credit

Semester 1

Grade: 10, 11, 12

Signature of instructor required.

Meets Recommendation: FA

Prerequisite: ART 101 (Completed with the grade of "B" or better)

Loved your first class in 2D Exploratory? Take it again! In this fall semester class, take your ideas a step further with colored pencils, pastels, paint, ink, fabric and paper. Continue your artistic adventures through advanced units in illustration, printmaking, bookmaking, painting and design with the new option of Advanced Exploratory 2D.

Advanced Exploratory 3D

ART 204 .5 credit

Semester 2

Grade: 10, 11, 12

Signature of instructor required.

Meets Recommendation: FA

Prerequisite: ART 102 (Completed with the grade of "B" or better)

Loved your first class in 3D Exploratory? Take it again! In this spring semester class, move your ideas a step further with metal, glass, clay, papier-mâché, found art, wire, and cardboard. Continue your artistic adventures through varied experiences and independent projects in sculpture and design with the new option of Advanced Exploratory 3D.

Ceramics and Sculpture 2

ART211/212 .5 credit Semester 1 Grade: 10, 11, 12
Meets Recommendation: FA

Prerequisite: Successful completion of any of the two following: ART 111/112/113/114

Fall semester of Ceramics 2 will allow the self-motivated student to continue to develop their skills and personal expression through advanced study in wheel-thrown pottery, hand-building, and sculpting. Units of study include independent projects and sketchbook/journal assignments.

Ceramics and Sculpture 2

ART 213/214 .5 credit Semester 2 Grade: 10, 11, 12
Meets Recommendation: FA

Prerequisite: Successful completion of any of the two following: ART 111/112/113/114

Spring semester of Ceramics 2 will allow the self-motivated student to continue to develop their skills and personal expression through advanced study in wheel-thrown pottery, hand-building, and sculpting. Units of study include independent projects and sketchbook/journal assignments.

Art Metals & Jewelry 1 – Fabrication and Soldering

ART 221 .5 credit Semester 1 Grade: 10, 11, 12
Meets Recommendation: FA

No Prerequisites

This fall semester course provides a comprehensive study of jewelry making and art metal design, with emphasis on fabrication skills and soldering. Learn how to use a jeweler's saw, files, soldering techniques, and stone settings in the creation of your own rings, pins, and pendants. Meticulous students who take pride in their work will love this class. Units of study include: soldering, fabrication, lapidary work, and stone setting.

Art Metals & Jewelry 1 – Casting and Cold Joining

ART 222 .5 credit Semester 2 Grade: 10, 11, 12
Meets Recommendation: FA

No Prerequisite

This spring semester course provides a comprehensive study of design and technique used in jewelry making. Learn how to use a jeweler's saw, files, forming tools, wax, and wire in the creation of sculpture, rings, pins and pendants. Meticulous students who take pride in their work will love this class. Units of study include low relief sculpture, cold joining, lost wax casting, and bead work.

Painting with Acrylics

ART 231 .5 credit Semester 1 Grade: 10, 11, 12
Meets Recommendation: FA

No Prerequisites

This fall semester Painting 1 class is designed for the student who has a good understanding of how to draw and would like to learn how to paint. The fall semester, explores acrylic paints and mediums and the variety of effects that can be created with them. Understanding and originality of design will be emphasized. Units of study include blending exercises, brush techniques, grid enlargement, color theory, and how to use a variety of acrylic paint mediums.

Painting with Oils & Watercolors

ART 232 .5 credit Semester 2 Grade: 10, 11, 12
Meets Recommendation: FA

No Prerequisites

This spring semester Painting 1 class is designed for the student who has a good understanding of how to draw and would like to learn how to paint. The spring semester, explores oil paints and watercolors on a variety of painting surfaces. Understanding and originality of design will be emphasized. Units of study include blending exercises, color theory, stretching a canvas, the still life, compositional geometry, and research assignments.

Drawing Realistically 2

ART 251 .5 credit Semester 1 Grade: 10, 11, 12
Signature of instructor required. Meets Recommendation: FA

Prerequisite: ART 151 (Completed with the grade of "B" or better)

Drawing Realistically 2 is a continuation of technical skills and assignments developed in ART 151. Students will attend class in the fall with students enrolled in the first year of Drawing Realistically. Assignments for second year students will continue to work on observational drawing skills. More advanced skill development will take place. Units of study include observational drawings, advanced still life, portrait assignments, and more.

Drawing and Design 2

ART 252 .5 credit Semester 2 Grade: 10, 11, 12
Signature of instructor required. Meets Recommendation: FA

Prerequisite: ART 152 (Completed with the grade of "B" or better)

Drawing and Design 2 is a continuation of technical skills and design problems developed in ART 152. Students will attend class in the spring with students enrolled in the first year of Drawing and Design. Assignments for second year students will be more advanced visual design problems. Emphasis will continue on exploring drawing materials. Units of study include 2-D design, color pencils, scratchboard, grid enlargement and distortion, and choice projects.

Commercial Art 1 – Graphic Design and Typography

ART 281 .5 credit Semester 1 Grade: 10, 11, 12
Signature of instructor required. Meets Recommendation: FA, CTE

Prerequisite: two semesters of the following: ART 101, 151, 152, 203, 231, 232, 251, or 252

This fall semester class explores techniques used by Commercial Artists and Graphic Designers. The fall semester class focuses on graphic design, lettering, typography, and advertising. Units of study include advertising, graphic design, calligraphy, typography, and computer graphics.

Commercial Art 1 – Illustration and Photography

ART 282 .5 credit Semester 2 Grade: 10, 11, 12
Signature of instructor required. Meets Recommendation: FA, CTE

Prerequisite: two semesters of the following: ART 101, 151, 152, 203, 231, 232, 251, or 252

This spring semester class explores techniques used by Commercial Artists and Graphic Designers. The spring semester class focuses on illustration, black and white photography, dark room skills, and digital photography. This class combines hands on commercial art traditions with computer skills and graphics. Units of study include illustration, cartooning, and photography.

Ceramics & Sculpture 3

ART 311/312 .5 credit Semester 1 Grade: 11, 12
Meets Recommendation: FA

Prerequisite: Successful completion of any of the two following: ART 211/212/213/214

Fall semester of this advanced class gives the self-motivated student an opportunity to design their own projects in cooperation with the instructor. Units of study include independent projects, sketchbook/journal assignments, and research project/paper.

Ceramics & Sculpture 3

ART 313/314 .5 credit Semester 2 Grade: 11, 12
Meets Recommendation: FA

Prerequisite: Successful completion of any of the two following: ART 211/212/213/214

Spring semester of this advanced class gives the self-motivated student an opportunity to design their own projects in cooperation with the instructor. Units of study include independent projects, sketchbook/journal assignments, and research project/paper.

Art Metals & Jewelry 2 – Advanced Fabrication and Soldering

ART 321 .5 credit Semester 1 Grade: 11, 12
Signature of instructor required *Meets Recommendation: FA*
Prerequisite: ART 221 and ART 222 (With grade of "B" or better)

This is an advanced level, fall semester class, where self motivated students pursue their skills and ideas from what they learned in Art Metals & Jewelry Design 1. Units of study include advanced soldering, fabrication, stone setting, and jewelry design.

Art Metals & Jewelry 2 – Advanced Casting and Cold Joining

ART 322 .5 credit Semester 2 Grade: 11, 12
Signature of instructor required. *Meets Recommendation: FA*
Prerequisite: ART 221 and ART 222 (With grade of "B" or better)

This is an advanced level, spring semester class, where self motivated students pursue their skills and ideas from what they learned in Art Metals & Jewelry Design 1. Units of study include advanced forming, riveting, lost wax casting and wire and bead work.

Painting 2 – Grid Enlargement Techniques and Research

ART 331 .5 credit Semester 1 Grade: 11, 12
Signature of instructor required. *Meets Recommendation: FA*
Prerequisite: ART 231 (Completed with the grade of "B" or better)

In the fall semester Painting 2 class, students will develop their painting skills and explore creative directions in their work. Concepts presented in ART 231 will be continued. Students will have more independent projects. Units of study include an enlarged self portrait, research, collaborative, and choice paintings.

Painting 2 – Advanced Painting Techniques

ART 332 .5 credit Semester 2 Grade: 11, 12
Signature of instructor required. *Meets Recommendation: FA*
Prerequisite: ART 232 (Completed with the grade of "B" or better)

In the spring semester Painting 2 class, students continue to develop their painting skills and explore creative directions in their work. Concepts presented in ART 232 will be continued. Students will have more independent projects. Units of study include miniature watercolor paintings, advanced watercolor techniques, "neutral" watercolor concepts, the use of the grid and distorted grid in composition, research, and choice paintings.

Advanced Art

ART 341/342/343/344 .5 credit Semester 1 or 2 Grade: 11, 12
Signature of instructor required. *Meets Recommendation: FA*
Prerequisite: previous art classes or portfolio of work

The Advanced Art student is required to attend class daily with another art class taught by the art instructor advisor. (If there are enough students, Advanced Art will be held as a separate class.) The Advanced Art student is a serious artist who also works on projects outside of class time. This is an advanced class where self motivated students pursue their skills and ideas from previous art classes and personal research. Some Advanced Art students previously completed permanent installation murals in this class. Other students have created their Pre-College and Art School portfolios. Advanced Art is also the perfect class for the student interested in submitting the Advanced Placement Studio Art portfolio for college credit. Units of study include portfolio development, art critique, independent projects, regular sketchbook work, and research projects/papers.

Commercial Art 2

ART 381/382 .5 credit Semester 1 or 2 Grade: 11, 12
Signature of instructor required. *Meets Recommendation: FA, CTE*
Prerequisite: ART 281 and ART 282 (With grade of "B" or better)

This course is designed for the student wishing to explore the skills developed in the first year of Commercial Art. Teacher and student will design the individual goals and expectations for the semester and/or year. Student must attend with Commercial Art 1 class. Units of study include independent study, weekly journal, research project.

Ceramics & Sculpture 4

ART 413/414 .5 credit

Semester 1 or 2

Grade: 12

*Signature of instructor required.**Meets Recommendation: FA**Prerequisite: Successful completion of any of the two following: ART 311/312/313/314*

This advanced class gives the self-motivated student and opportunity to design their own projects in cooperation with the instructor. Units of study include independent projects, sketchbook/journal assignments, and research project/paper.

Art Metals & Jewelry 3

ART 421/422 .5 credit

Semester 1 or 2

Grade: 12

*Signature of instructor required.**Meets Recommendation: FA**Prerequisite: ART 321 and ART 322 (With grade of "B" or better)*

This is an advanced level class where self motivated students pursue their skills and ideas from what they learned in Art Metals & Jewelry I and II. Units of study include research and self determined area of study.

Painting 3

ART 433/434 .5 credit

Semester 1 or 2

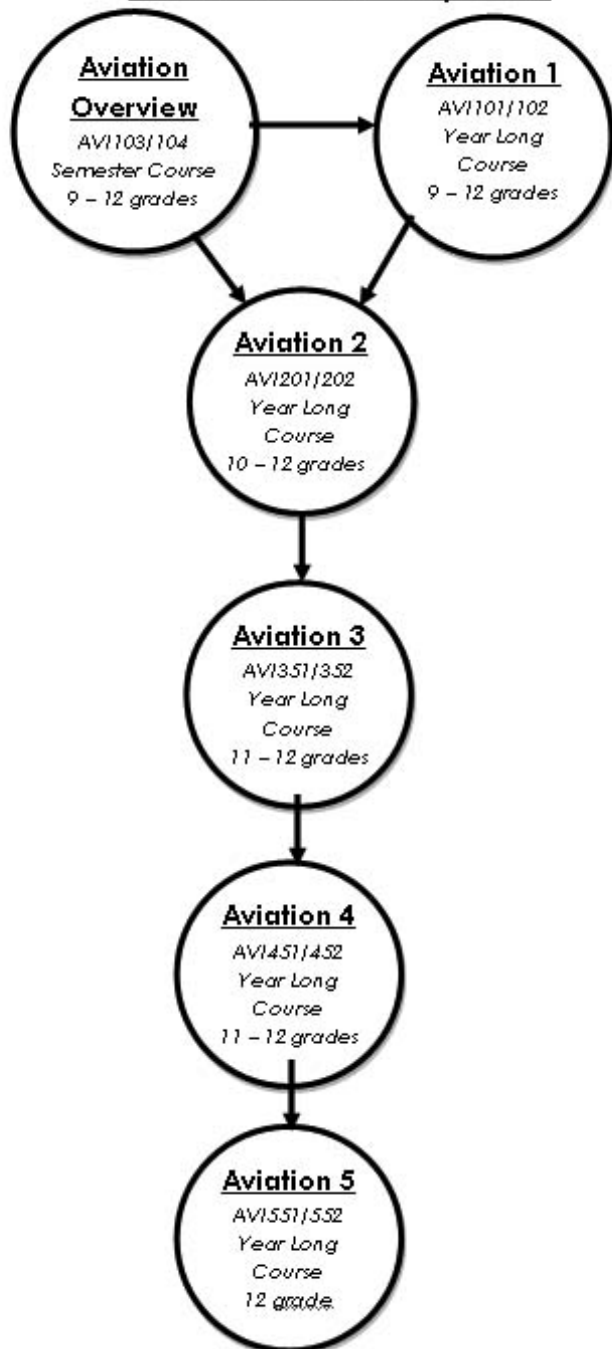
Grade: 12

*Signature of instructor required**Meets Recommendation: FA**Prerequisite: ART 331 or ART 332 (With grade of "B" or better)*

This is an advanced level painting class that may be taken for either or both semesters. Painting 3 continues to build upon the skills learned in Painting 1 and 2. If needed, both sections may be taken in the same semester. Some Painting 3 students have completed permanent installation school murals in this class. Units of study include independent projects in advanced watercolor, acrylic and oil techniques, research paintings and papers, regular sketchbook assignments.

Course Name	Semesters Offered	Course Number	Grade Levels			
			09	10	11	12
Aviation Overview	Sem 1 or 2	AVI 103/104	x	x	x	x
Aviation 1	Sem 1 and 2	AVI 101/102	x	x	x	x
Aviation 2	Sem 1 and 2	AVI 201/202		x	x	x
AS Aviation 3	Sem 1 and 2	AVI 351/352			x	x
AS Aviation 4	Sem 1 and 2	AVI 451/452				x
AS Aviation 5	Sem 1 and 2	AVI 551/552				x

Aviation Course Sequence



Aviation Overview

AVI 103/104 .5 credits Semester 1 or 2 Grade: 9, 10, 11, 12

No prerequisites

This is a semester course designed to explore and experience the many different facets of flight from hobbyist to career professional. Activities include hands on building and flying of models, guest speakers who are pilots, air traffic controllers, aircraft mechanics, and flight attendants to list a couple. Optional Saturday enrichment field trips will be offered for activities such as EAA museum, glider rides, airplane rides and helicopter rides (some cost may be required for these trips and scholarships will be made available).

Aviation 1

AVI 101/102 1.0 credit Semester 1 and 2 Grade: 9, 10, 11, 12

*No prerequisites**Meets recommendation: CTE*

Aviation and Space Education is for those interested in flight in and out of the earth's atmosphere. Units of study include: history of aviation and space, flight mechanics (why does it fly), career opportunities for you, what you are getting as a taxpayer and traveler, flight planning (how to get from here to there), buying, owning, renting, and repairing aircraft, and building model air and space craft. Orientation flights are available.

Aviation 2

AVI 201/202 1.0 credit Semester 1 and 2 Grade: 10, 11, 12

*No prerequisites**Meets recommendation: CTE*

Aviation and Space Education 2 is a more detailed study of aviation which focuses upon what it takes to be a pilot. Student, private, commercial, instrument, airline pilot requirements are studied. The FAA Private Pilot Written Examination will be offered at the end of the course. Units of study include: aerodynamics, instruments, engines, systems, airports, weather, regulations, navigation, aeronautical charts, aircraft performance, air traffic control, medical aspects of flight, weight and balance of aircraft, and cross country flying. In addition, space flight and space exploration is examined. Flights will be available.

AS Aviation 3

AVI 351/352 1.0 credit Semester 1 and 2 Grade: 11, 12

*Prerequisite: AVI 101/102 or 201/202 or signature of instructor.**Meets recommendation: CTE*

Aviation and Space Education 3, 4, and 5 are courses of study developed by the student in association with the teacher. Courses developed might be historical research on aviation and space, career planning and employment placement, aviation in society, or preparation for the commercial and/or Instrument FAA Written and/or Flight Examinations. Apprenticeships, work-study placements, or advanced placement course work or testing for technical colleges are also available. A student enrolling in Aviation and Space Education courses at Madison East can earn both high school graduation and technical college or aeronautical university credit. Under articulation agreements it is possible for FAA written and flight examination completed to earn advanced standing or advanced placement credit at the following college or universities: Gateway Tech. Coll., Kenosha WI; Fox Valley Tech. Coll., Oshkosh WI; Univ. of Dubuque, Dubuque IA; Saint Cloud State Univ., St. Cloud MN. (These courses can be taken concurrently with other Aviation and Space Education courses.)

AS Aviation 4

AVI 451/452 1.0 credit Semester 1 and 2 Grade: 12

*Prerequisite: AVI 351/352 or signature of instructor.**Meets recommendation: CTE*

See description for AS Aviation 3 (AVI 351/352).

AS Aviation 5

AVI 551/552 1.0 credit Semester 1 and 2 Grade: 12

*Prerequisite: AVI 451/452 or signature of instructor.**Meets recommendation: CTE*

See description for AS Aviation 3 (AVI 351/352).

Course Name	Semesters Offered	Course Number	Grade Levels			
			09	10	11	12
Computer Applications	Sem 1 or 2	BUS 100	x	x	x	x
Marketing	Sem 1 and 2	BUS 121/122	x	x	x	x
Personal Finance	Sem 1 or 2	BUS 210		x	x	x
Business Law	Sem 1 or 2	BUS 220		x	x	x
Accounting	Sem 1 and 2	BUS 241/242		x	x	x
Starting Your Own Business	Sem 1	BUS 301			x	x
Accounting for Dual Transcribed Credit	Sem 1 and 2	BUS 303/304			x	x

Computer Applications

BUS 100 .5 credit Semester 1 or 2 Grade: 9, 10, 11, 12

Some keyboarding experience is recommended.

Meets recommendation: CTE

Learn how to create pictures, sounds, and animation in graphic presentations. Do you know how to create a flyer, a brochure, a business card, or a menu? Learn skills that are often required in business and as a student on college campuses today. Computer Applications is a course designed to teach students how to use the computer as a business and personal tool through the use of applications software. These include spreadsheets, database, word processing, desktop publishing, and PowerPoint applications, as well as the Internet. Objectives for the course include performing activities using integrated software programs. Units of study include: Advanced word processing; introduction to spreadsheets, database and power point; basic PC maintenance; peripherals (scanner, digital camera, etc) will be used.

Marketing

BUS 121/122 1.0 credit Semester 1 and 2 Grade: 9, 10, 11, 12

No prerequisites.

Meets recommendation: CTE

Introduce yourself to the exciting world of marketing! You will learn how products are brought from the idea stage to how they become available on store shelves. Everything from distribution to sales will be explored. You will create new products and learn how to market them efficiently. The course includes fun activities like developing newspaper ad layouts, creating displays, and analyzing television and radio ads. This hands-on course will provide the basis for a career in marketing. Students at La Follette, West, and East who are enrolled in this class can also be members of the DECA Chapter at their school, while students at Memorial can join FBLA. Note: At La Follette and West, Marketing is split into two semester long classes that can be taken in sequence or separately. The two courses are "Marketing and Sales" and "Advertising and Display." At Memorial and East, Marketing is a year-long course.

Personal Finance

BUS 210 .5 credit Semester 1 or 2 Grade: 10, 11, 12

No prerequisites.

Meets recommendation: CTE

Do you know how to manage a checking account? Do you know how to get a car loan? How about applying for that student loan? How old do you need to be to get a credit card? How does someone make a budget? What are stocks? This course will answer these questions and more. It will attempt to answer: how can I keep up with the rising cost of living? And, what is a wise and what is an unwise buying decision? Through lectures, discussions, simulations, and activities students will gain an insight as to how money makes the world go round. Units of study include: budgeting, savings, investing, credit, banks and banking systems, renting/buying a home, insurance, and basic business skills.

Business Law

BUS 220 .5 credit Semester 1 or 2 Grade: 10, 11, 12

No prerequisites.

Meets recommendation: CTE

Students who enjoy learning about trials, discussing the impact of current events on law and want to know more about their rights as individuals should take this class. Students will participate in a variety of interactive and

practical activities, such as in class mock trials, case studies, interpreting contracts, Internet activities, a field trip and guest speakers as part of the process of learning how law, specifically business law, impacts society.

Accounting 1

BUS 241/242

1.0 credit

Semester 1 and 2

Grade: 10, 11, 12

No prerequisites.

Meets recommendation: CTE

This year long course is an introduction to the world of accounting. This is a must-have for any student interested in pursuing any business related major or for students who want to start their own business. Every business in our society is impacted by accounting based decisions. In this course you will have the opportunity to use real-world accounting software, source documents, financial statements and multimedia to prepare and analyze business transactions. A Wisconsin state-sponsored Youth Apprenticeship program is available in the area of finance.

Starting Your Own Business

BUS 301

.5 credit

Semester 1

Grade: 11, 12

No prerequisites.

Meets recommendation: CTE

Students will prepare a BUSINESS PLAN and present it to a banker.

Have you thought about starting your own business? Would you like to learn the steps in creating a small business? Write your own business plan and present it to business owners. Learn about developing your business idea, location, marketing, financing, managing people, and legal guidelines. You will practice business and economic principles in this interactive course that will take you beyond the school building and into the business community. This is a great course for college-bound students pursuing business or marketing or students thinking about opening a business right after high school. The course is team taught with community, business, and government leaders through the Business & Education Partnership and Junior Achievement.

Accounting for Dual Transcribed Credit

BUS 303/304

1.0 credit

Semester 1 and 2

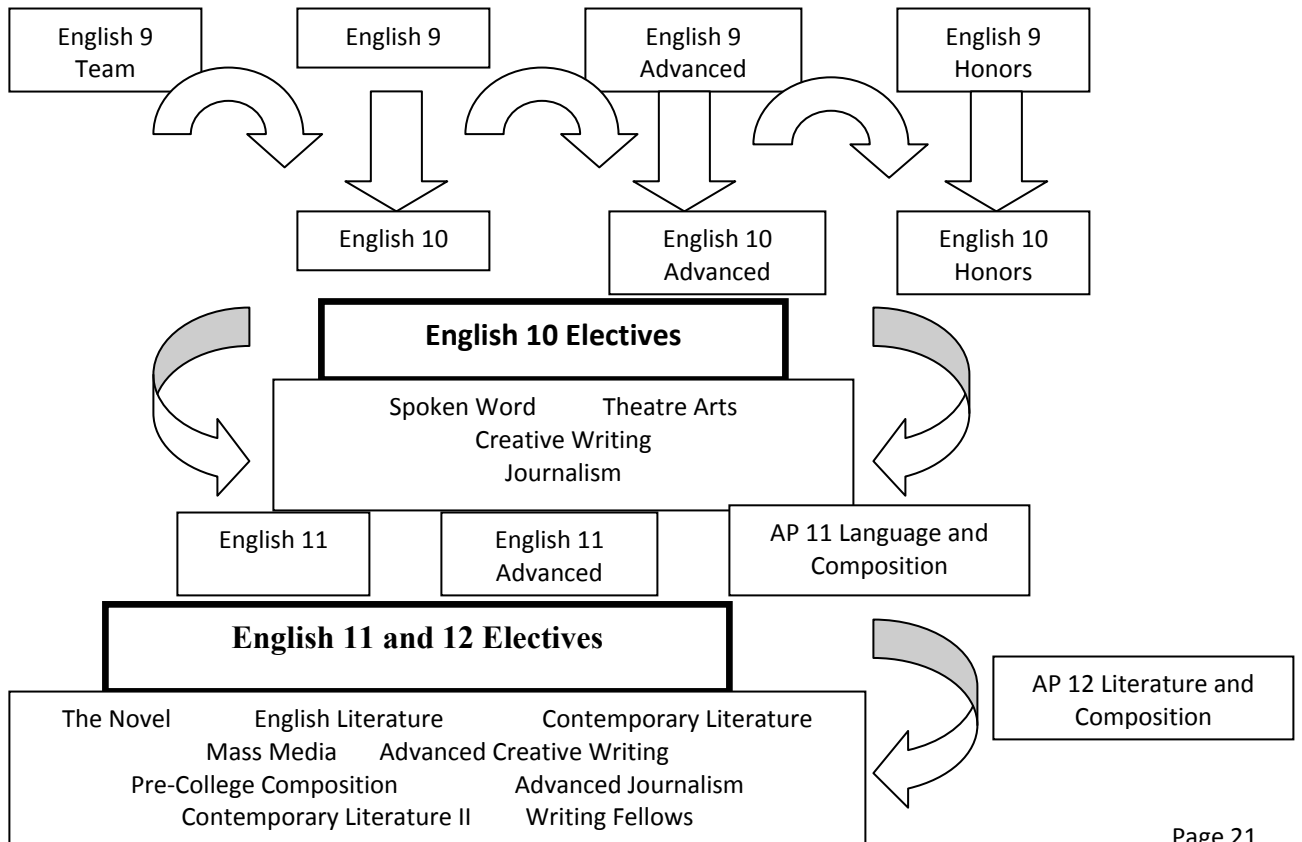
Grade: 11, 12

Signature of Instructor required.

Meets recommendation: CTE

This course is designed to help you understand basic accounting principles and procedures. Objectives include preparation for: (1) an accounting career or any business-related field and (2) using accounting in your everyday life. Major concepts include: recording perpetual business transactions, determining a business profit or loss, preparing financial reports and budgets, and analyzing financial statements for personal and business decisions. Students enrolled in this course will be eligible to receive college transcribed credit pending an MMSD and a Wisconsin technical college annually reaching and fulfilling an agreement on course curriculum, teacher requirements, textbooks, etc. Students will generally know in the first quarter whether transcribed credit is planned to be available for students with a B or better in the course. A Wisconsin state-sponsored Youth Apprenticeship program is available in the area of finance.

	Course Name	Semesters Offered	Course Number	Grade Levels			
				09	10	11	12
REQUIRED COURSES	English 9	Sem 1 and 2	ENG 111/112	x			
	Advanced English 9	Sem 1 and 2	ENG 121/122	x			
	English 9 Honors	Sem 1 and 2	ENG 131/132	x			
	English 10	Sem 1 and 2	ENG 211/212		x		
	Advanced English 10	Sem 1 and 2	ENG 221/222		x		
	English 10 Honors	Sem 1 and 2	ENG 231/232		x		
	English 11	Sem 1 and 2	ENG 311/312			x	
	Advanced English 11	Sem 1 and 2	ENG 321/322			x	
	Language and Composition – Advanced Placement	Sem 1 and 2	ENG 331/332			x	
	Literature and Composition – Advanced Placement	Sem 1 and 2	ENG 433/434				x
ELECTIVES	Spoken Word and Contemporary Poetics	Sem 1 or 2	ENG 200		x	x	x
	Introduction to Journalism	Sem 1 or 2	ENG 280		x	x	x
	Theater Arts	Sem 1 or 2	ENG 290		x	x	x
	Contemporary Literature 1	Sem 1 or 2	ENG 300			x	x
	Contemporary Literature 2	Sem 2	ENG 302			x	x
	Mass Media Literacy	Sem 1 or 2	ENG 310			x	x
	Pre-College Composition	Sem 1 or 2	ENG 320			x	x
	The Novel	Sem 1 or 2	ENG 330			x	x
	Creative Writing	Sem 1 or 2	ENG 340		x	x	x
	Advanced Creative Writing	Sem 1 or 2	ENG 370			x	x
	Advanced Journalism	Sem 1 or 2	ENG 380			x	x
	English Literature	Sem 1 or 2	ENG 390			x	x
	Writing Fellows	Sem 1 and 2	ENG 441/442			x	x



Introductory Remarks

All English courses are accepted by the majority of colleges as fulfilling their academic core entrance requirements. It is recommended that the college bound student consider:

- Grade 9 – year-long English 9 or Advanced English 9 or English 9 Honors.
- Grade 10 – year-long English 10 or Advanced English 10 or English 10 Honors.
- Grade 11 – year-long English 11 or Advanced English 11 or Language and Composition—Advanced Placement and consider additional semester-long electives. Consult your English teacher regarding elective choices.
- Grade 12 – year-long Literature and Composition—Advanced Placement or two, semester-long electives that will help your overall language development. Consult your English teacher regarding elective choices.

English 9

ENG 111/112 1.0 credit Semester 1 and 2 Grade: 9

No prerequisite.

Students will be expected to complete reading and writing assignments outside of class. Either this course or Advanced English 9 or English 9 Honors is required for graduation.

This course continues the development of reading, writing skills and critical thinking skills begun in middle school. Students will actively read novels, shorts stories, poetry, drama and expository texts, identify main ideas and supporting details, and build robust vocabulary, including literary vocabulary. Students will gain experience at asking questions, drawing inferences, and will analyze, synthesize and apply textual elements. Writing is an important part of this class, and students can expect to practice and learn to write in a variety of forms, including essays, reviews, research projects, journals and creative writing. Students will be trained in note taking, collaborative skills and skills aligned with the English Department’s scope and sequence. They can expect varied assessments, papers, presentations and discussions in class. Units of study include novels, short stories, poetry, nonfiction, drama, vocabulary, usage, mechanics, expository and creative writing.

Advanced English 9

ENG 121/122 1.0 credit Semester 1 and 2 Grade: 9

No prerequisite.

Students should have good homework habits. Students must be prepared to read, complete homework and work on written assignments outside of class. Students enrolled in this class should be thinking of post high school academic study. Either this course or English 9 or Honors English 9 is required for graduation.

This course includes the current ninth grade curriculum and is designed for and offered to students who are interested in pursuing the study of English in more depth than the regular classes can provide. Because of student motivation and interest in English, more challenging assignments and enriching materials will be used to stimulate creativity and allow for individuality. As a result of this in-depth learning opportunity, higher than average standards of achievement will be expected from students in the study and composition of texts. Because the work will be more challenging and time consuming, the students will be expected to pursue their daily assignments diligently. Units of study include novels, short stories, poetry, nonfiction, drama, vocabulary, usage, mechanics, expository and creative writing.

English 9 Honors (Formerly English 9 TAG)

ENG 131/132 1.0 credit Semester 1 and 2 Grade: 9

Prerequisite: Students must complete Honors committee application process.

Students should have good homework habits. Students are expected to read, prepare homework and work on written assignments outside of class. Students enrolled in this class should be thinking of post high school academic study. Either this course or English 9 or Advanced English 9 is required for graduation.

English 9 Honors shares the objectives of English 9 as well as emphasizing essay writing and in-depth analysis of literature. Writing assignments and texts are sophisticated and require an already developed foundation of writing and reading skills. Students are expected to be critical and avid readers. Analysis of literature goes well beyond simple comprehension and literal interpretation. As the course progresses, students will be able to evaluate literature through the use of literary terms and concepts. An emphasis is placed on student participation in small and large group discussion. The formulation and expression of ideas are both necessary and expected. Time

management skills must be developed as simultaneous and various deadlines are given. The students will be expected to work outside of class and do collaborative work. Units of study include novels, short stories, poetry, nonfiction, drama, vocabulary, usage, mechanics, expository and creative writing. **(See page 7 for Honors information.)**

English 10

ENG 211/212 1.0 credit Semester 1 and 2 Grade: 10

No prerequisite.

Students will be expected to complete reading and writing assignments outside of class. Either this course or Advanced English 10 or English 10 Honors is required for graduation.

This course continues the development of reading, writing skills and critical thinking skills begun in ninth grade. Students will actively read novels, shorts stories, poetry, drama and expository texts, identify main ideas and supporting details and build robust vocabulary, including literary vocabulary. Students will gain experience at asking questions, drawing inferences and will analyze, synthesize and apply textual elements. Writing is an important part of this class, and students can expect to practice and learn to write in a variety of forms, including essays, reviews, research projects, journals and creative writing. Students will be trained in note taking, collaborative skills and skills aligned with the English Department's scope and sequence. They can expect varied assessments, papers, presentations and discussions in class. Units of study include novels, short stories, poetry, nonfiction, drama, expository and creative writing and writing mechanics.

Advanced English 10

ENG 221/222 1.0 credit Semester 1 and 2 Grade: 10

No prerequisite.

Advanced English 10 is a course best suited for students who are willing to work hard and put their best effort forward in the study of English Language Arts. Effort and interest are key elements for a successful experience in the advanced class. Homework expectations may include reading 25 pages per night, writing in response to texts and working on creative and expository compositions.

Students enrolled in this class should be thinking of post high school academic study. Either this course or English 10 or English 10 Honors is required for graduation.

This course includes the current tenth grade curriculum, which is structured around the focus *The Individual and Society*, and is designed for and offered to students who are interested in pursuing the study of English in more depth than the regular classes can provide. Because of student motivation and interest in English, more challenging assignments and enrichment materials will be used to stimulate creativity and allow for individuality. As a result of this in-depth learning opportunity, higher than average standards of achievement will be expected from students in the study and composition of texts. Units of study include novels, short stories, poetry, nonfiction, drama, expository and creative writing and writing mechanics.

English 10 Honors (Formerly English 10 TAG)

ENG 231/232 1.0 credit Semester 1 and 2 Grade: 10

Prerequisite: Signature of 9th grade English instructor.

English 10 Honors is an elective best suited for inquisitive students who are capable of understanding and producing literary work beyond their grade level standard. Students electing this course will bring a scholarly approach to the classroom: consistent thoughtful contributions to class discussions, willingness to read up to 30 pages each night, commitment to writing expository and creative compositions. Students enrolled in this class should be thinking of post high school academic study. Either this course or English10 or Advanced English 10 is required for graduation.

English 10 Honors is designed for students who have demonstrated a compelling interest in literature and writing. The readings are structured around the theme *The Individual and Society*. Students are avid readers in a variety of texts to broaden their perspectives, to understand the universality of the human experience and to further their academic and creative skills in English Language Arts. Honors students have a summer reading/writing requirement as well as an expectation to read as many as 600 pages outside class each grading period. Units of study include novels, short stories, poetry, nonfiction, drama, expository and creative writing and writing mechanics. **(See page 7 for Honors information.)**

English 11

ENG 311/312 1.0 credit Semester 1 and 2 Grade: 11

No prerequisite.

Students will be expected to complete reading and writing assignments outside of class. Either this course or Advanced English 11 or Language and Composition—Advanced Placement is required for graduation.

English 11 combines the study of American Literature with the development of writing skills. Improvement of speaking, viewing and listening skills is also addressed. Students in English 11 read a variety of novels, short stories, poems and plays. Writing experiences will include expository writing, writing about literature, creative writing, journalistic writing and persuasive writing. Research skills are also studied and used. Units of study include novels, short stories, poetry, nonfiction, drama, expository and creative writing and writing mechanics.

Advanced English 11

ENG 321/322 1.0 credit Semester 1 and 2 Grade: 11

No prerequisite.

Advanced English 11 is a course best suited for students who are willing to work hard and put their best effort forward in the study of English Language Arts. Effort and interest are key elements for a successful experience in the advanced class. Homework expectations may include reading 25 pages per night, writing in response to texts and working on creative and expository compositions.

Students enrolled in this class should be thinking of post high school academic study. Either this course or English 11 or Language and Composition—Advanced Placement is required for graduation.

This course includes the current eleventh grade curriculum, and is designed for and offered to students who are interested in pursuing the study of English in more depth than the regular classes can provide. As a result of student motivation and interest in English, more challenging assignments and enrichment materials will be used to stimulate creativity and allow for individuality. As a result of this in-depth learning opportunity, higher than average standards of achievement will be expected from students in the study and composition of texts. Units of study include: novels, short stores, poetry, nonfiction, drama, expository and creative writing and writing mechanics.

Language and Composition—Advanced Placement (Formerly English 11 TAG)

ENG 331/332 1.0 credit Semester 1 and 2 Grade: 11

The student would benefit from previous experience with the writing process in multiple genres, research-based writing, collaborative writing and critical reading strategies. Those interested in writing, teaching and service learning will also find this a meaningful and beneficial course.

Language and Composition – Advanced Placement prepares students for the AP exam which, if successfully completed, allows students to test out of college courses. In addition to preparing students for Advanced Placement testing, this course prepares students for the post-high school rigors of academic and professional communication.

This course also prepares the interested student to consult, for elective credit, in East's Center for Reaching Excellence in Writing (CREW) during junior and senior year.

The Advanced Placement English Language and Composition curriculum assists students' continued growth as skilled readers of prose written in a variety of contexts and skilled writers who compose for a variety of purposes. Students read complex texts with understanding and are expected to emphasize purpose and audience to guide the organization of their writing. They write essays that proceed through several stages or drafts, with revision aided by teacher and peers. The informed use of research materials and the ability to synthesize varied sources are also integral parts of this course. Another aspect of this course, unique to Madison East High School, cultivates conversations about writing and thinking through the training of peer writing consultants or Writing Fellows. Units of study include reading of classic and contemporary American novels; short fiction and expository texts; authentic vocabulary development; study of rhetorical, expository, journalistic and literary elements and devices; lessons regarding writing center theory and consulting philosophies; lessons concerning collaborative writing and group dynamics; technology appropriate to the writing process.

Literature and Composition – Advanced Placement

ENG 433/434

1.0 credit

Semester 1 and 2

Grade: 12

Literature and Composition – Advanced Placement prepares students for the AP exam which, if successfully completed, allows students to test out of college courses. In addition to preparing students for Advanced Placement testing, this course prepares students for the post-high school rigors of academic and professional communication.

Students in this course will write to understand, write to explain, and write to evaluate. A key component will be learning and applying critical strategies when reading and analyzing literature, including formalist, biographical, psychological, historical, gender, mythological, reader-response and deconstructionist strategies. Students will investigate literature through these lenses, examining modeled examples of these approaches by critics, as well as other students, and learning how to employ these approaches in their own essay writing. Students will write timed essays and college entrance essays. They will also be prepared for the Advanced Placement exam through the study of literary terms and concepts. Units of study include literary terms and devices, expository writing, creative writing and submission to publications, poetry, British and World Literature.

Spoken Word & Contemporary Poetics

ENG 200

.5 credit

Semester 1 or 2

Grade: 10, 11, 12

Please see introductory remarks for requirements (page 22).

This is an advanced course. As such, students should be ready to read a variety of authors, write and perform original work and actively participate in the artistic community of the class.

This course offers students the opportunity to write and perform their own poetry in a challenging atmosphere. Students study modern and historic poets, hip-hop artists and playwrights. They examine the work of spoken word artists and consider the multidisciplinary, cross-cultural nature of the art form. Most importantly, students create original pieces to share as part of a community of artists. The class offers an excellent opportunity to hone writing and speaking skills. Visiting artists from across disciplines aid students in developing their work. By the end of the semester, each student completes a personal portfolio of their work and participates in a performance project within the school or community. Artists studied include: Anna Deavere Smith, Alix Olsen, Langston Hughes, Marc Bamuthi Joseph, Willie Perdomo, Patricia Smith, Kevin Coval, Miguel Pinero, Sonia Sanchez, Tupac Shakur. Units of study include the history of spoken word, research of spoken word artists, delivering your story, the Harlem Renaissance, Nuyorican poetry, hip-hop as a social movement, the oral tradition, broadening the literary canon, creating community across cultures, poetry analysis, poetic devices, the writing process.

Introduction to Journalism

ENG 280

.5 credit

Semester 1 or 2

Grade: 10, 11, 12

Please see introductory remarks for requirements (page 22).

Students learn the elements that make an event newsworthy and how they can become more discerning consumers of the news. Additionally, legal and ethical issues are covered, as well as electronic journalism and the history of the newspaper. The class includes the following journalistic writing experiences: feature, interview, opinion, review, sports, survey, editorial cartoon, photographs and captions. Students determine the content of their articles and most of the writing is done in class so that a newsroom atmosphere, complete with journalists and editors, is created. Making deadlines is stressed, as is writing for a real audience—including the readers of *The Tower Times*. Units of study include the journalistic writing experiences noted above.

Contemporary Literature 1

ENG 300

.5 credit

Semester 1 or 2

Grade: 11, 12

Please see introductory remarks for requirements (page 22).

This is a course for students who wish to foster reading, writing and thinking skills. Students will read contemporary novels, short stories, poetry and non-fiction. There are weekly writing assignments and puzzles. Class discussions will consider such topics as the American Dream of success and the struggle of the nation's minorities and poor. Students will spend a significant amount of time reading novels of their choice as homework. Reading speed is a consideration, and willingness to put in the time and effort is essential. This course includes examinations and writing about literature.

Units of study include novels, short stories, poetry, drama, expository writing. Bradbury, Walker, Alexie, Gardner, Hillerman, Angelou, Plath, and Simon are some of the authors offered.

Contemporary Literature 2

ENG 302 .5 credit Semester 2 Grade: 11, 12

Please see introductory remarks for requirements (page 22).

This course is designed for students who wish to study significant 20th century authors and to foster reading, writing and thinking and discussion skills. Students will read contemporary novels, short stories, poetry and non-fiction. Character types, themes, and literary devices peculiar to contemporary fiction will be explored. There are weekly writing assignments and puzzles, as well as discussions. Students will spend a significant amount of time reading novels of their choice as homework. Reading speed is a consideration, and willingness to put in the time and effort is essential. This course includes examinations and writing about literature. Units of study include novels, short stories, poetry, drama and expository writing. Authors studied will include Morrison, Cormier, Parks, Wright, Hansberry, Haley and Williams.

Mass Media Literacy

ENG 310 .5 credit Semester 1 or 2 Grade: 11, 12

Please see introductory remarks for requirements (page 22).

The pervasive influence of modern media requires an increased ability to understand and adapt to its effects in our culture and our personal lives. Students will become familiar with modern communication techniques, underlying psychological theories and the effects of these techniques on our perceptions. Critical analysis as well as hands-on projects will be the focus of this course. Individual and group work is required. Units of study include the history and critical analysis of advertising, analysis and critical review of film and video techniques, the study of print and broadcast media.

Pre-College Composition

ENG 320 .5 credit Semester 1 or 2 Grade: 11, 12

Please see introductory remarks for requirements (page 22).

This one-semester writing course is designed for students in 11th or 12th grade and will include a variety of writing experiences from sentences and paragraphs to essays and research papers. Although both expository and creative writing will be covered, the emphasis will be on expository writing. Units of study include the writing process and expository and research writing.

The Novel

ENG 330 .5 credit Semester 1 or 2 Grade: 11, 12

*Please see introductory remarks for requirements (page 22).**Students should have good reading and writing skills and good habits of homework completion.*

The individual's relationship to society, past and present, is explored within The Novel. The style and purpose of individual writers are also considered and studied. This course, which stresses written analysis as well as discussion skills, would be valuable for students planning a college education. The novels selected include some by well-known writers from around the world. Units of study include classic and contemporary novels, the writing process and literary analysis.

Theatre Arts

ENG 290 .5 credit Semester 1 or 2 Grade: 10, 11, 12

Please see introductory remarks for requirements (page 22).

Theater Arts offers students both acting and writing experience. Students learn a variety of basic acting techniques (following stage directions, moving appropriately, and developing a character) through the performance of short scenes and monologues. Additionally, students learn a variety of improvisational techniques to aid in the development of character and to build confidence on stage. The class also targets writing skills through the development of student-written one-act plays. Units of study include dramatic literature and vocabulary, creative writing, screenplay adaptations to film, character analysis and the writing process.

Creative Writing

ENG 340 .5 credit Semester 1 or 2 Grade: 10, 11, 12

Please see introductory remarks for requirements (page 22).

This course is for the student who wishes to specialize in writing of personal interest as well as exploring a variety of new forms which will expand the student's repertoire. Writing possibilities are limitless because of the many possibilities within each student's imagination. Units of study include all creative writing forms from journalistic to fictional to expository writing, as well as the creation of magazines, comic strips, photos with captions and graphic novels.

Advanced Creative Writing

ENG 370 .5 credit Semester 1 or 2 Grade: 11, 12

Prerequisite: Creative Writing.

This course follows the same format as Creative Writing. Because of its individualized nature an advanced student will continue study begun in the first Creative Writing class. Units of study include a variety of writing forms.

Advanced Journalism

ENG 380 .5 credit Semester 1 or 2 Grade: 11, 12

Prerequisite: Introduction to Journalism

The course follows the same format as Introduction to Journalism. Because of its individualized nature an advanced student will continue study begun in the Introduction to Journalism class. Units of study include all forms of journalistic writing.

English Literature

ENG 390 .5 credit Semester 1 or 2 Grade: 11, 12

Please see introductory remarks for requirements. Students should have very good reading skills. Class presentations are required.

This class will study the development of English Literature from Beowulf to the present day. Major works in fiction, non-fiction, drama and poetry will be surveyed. Students write essays about the texts covered. The class will be geared for students who are considering continuing their education beyond high school. Units of study include literature of the Anglo-Saxon period, the Middle Ages, the Renaissance, the Enlightenment, Romantic and Victorian periods, contemporary English literature, the English novel and expository writing.

Writing Fellows

ENG 441/442 .5 – 1.0 credit Semester 1 and/or 2 Grade: 11, 12

Prerequisite: Successful completion of Language and Composition – Advanced Placement or Independent Study: Writing Fellows: A Preparatory Course for Tutors.

Notes: After successful completion of the preparatory course, a student may tutor in the CREW for one, two, or three semesters. A student may choose to tutor in the CREW for more than one hour daily.

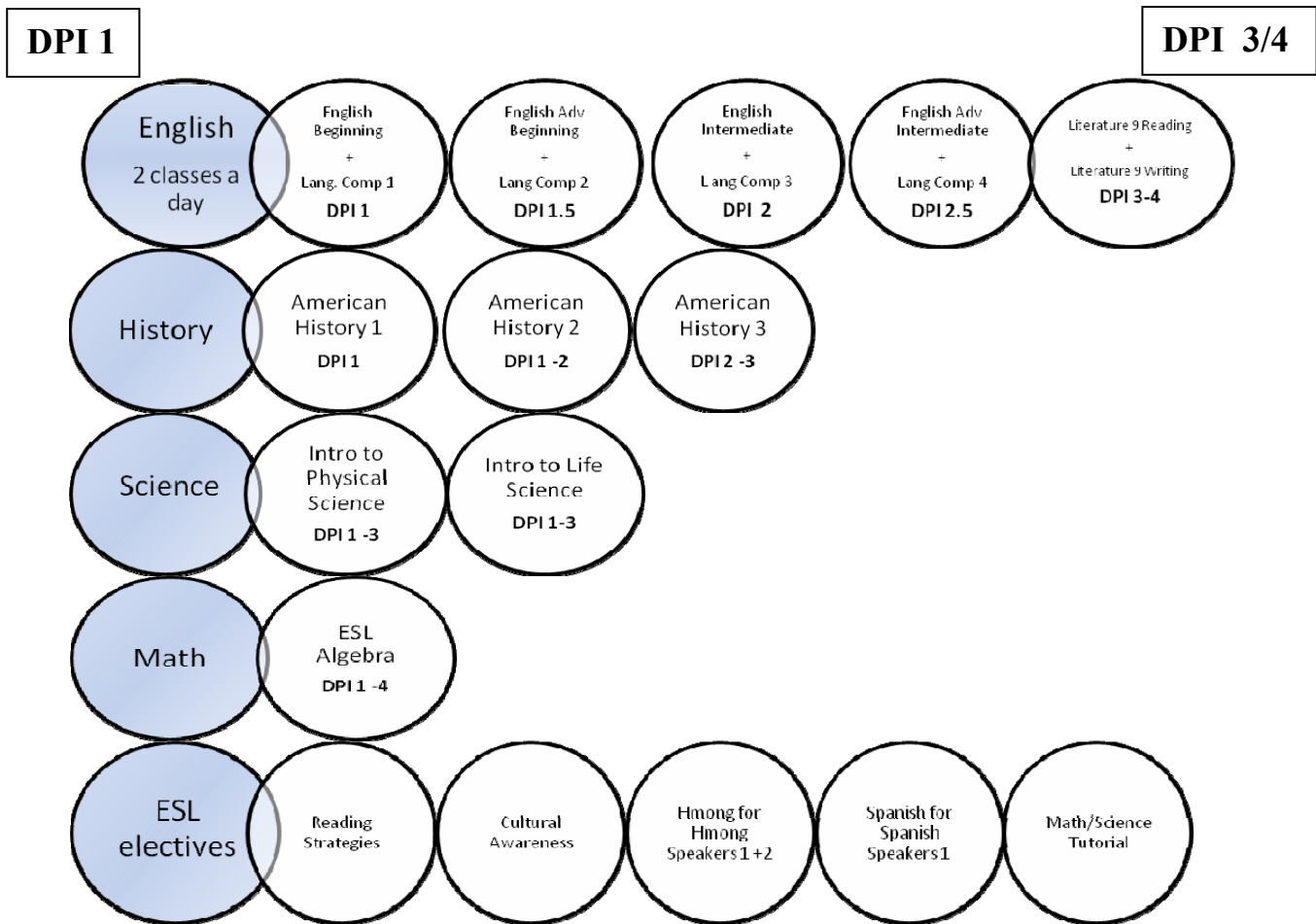
The student will use skills honed in the preparatory coursework and will practice and refine his/her tutoring skills and philosophy while improving personal writing, listening, and thinking skills and acting on a commitment to service learning. Units of study include expository, journalistic, and literary writing and reading; writing center theory and tutoring philosophies; collaborative writing, group dynamics, and technology appropriate to the writing process.

Course Name	Semesters Offered	Course Number	Grade Levels			
			09	10	11	12
English-Beginning	Sem 1 and 2	ZSL 121/122	x	x	x	x
Language & Composition – 1	Sem 1 and 2	ZSL 123/124	x	x	x	x
English – Advanced Beginning	Sem 1 and 2	ZSL 131/132	x	x	x	x
Language & Composition – 2	Sem 1 and 2	ZSL 133/134	x	x	x	x
English – Intermediate	Sem 1 and 2	ZSL 141/142	x	x	x	x
Language & Composition – 3	Sem 1 and 2	ZSL 143/144	x	x	x	x
English – Advanced Intermediate	Sem 1 and 2	ZSL 151/152	x	x	x	x
Language & Composition – 4	Sem 1 and 2	ZSL 153/154	x	x	x	x
Literature 9 Reading	Sem 1 and 2	ZSL 161/162	x	x	x	x
Literature 9 Writing	Sem 1 and 2	ZSL 163/164	x	x	x	x
American History & Geography 1	Sem 1 and 2	ZSL 221/222	x	x	x	x
American History & Geography 2	Sem 1 and 2	ZSL 231/232	x	x	x	x
American History & Geography 3	Sem 1 and 2	ZSL 241/242	x	x	x	x
Introduction to Physical Sciences (offered 2010/2011)	Sem 1 and 2	ZSL 351/352	x	x	x	x
Introduction to Life Sciences (offered 2011/2012)	Sem 1 and 2	ZSL 361/362	x	x	x	x
Math and Science Tutorial	Sem 1 and 2	ZSL 371/372	x	x	x	x
Algebra/ELL	Sem 1 and 2	ZSL 421/422	x	x	x	x
Cultural Awareness	Sem 1 and 2	ZSL 511/512	x	x	x	x
ELL Reading Strategies	Sem 1 and 2	ZSL 581/582	x	x	x	x
Spanish for Spanish Speakers 1	Sem 1 and 2	ZSL 611/612	x	x	x	x
Hmong for Hmong Speakers 1	Sem 1 and 2	ZSL 621/622	x	x	x	x
Hmong for Hmong Speakers 2	Sem 1 and 2	ZSL 623/624	x	x	x	x

The ESL/Bilingual Program offers non-remedial, sheltered courses in language arts, social studies, science, and math to English Language Learners on the basis of language proficiency. The English language proficiency levels are determined by the WIDA ACCESS Placement Test.

East High's ESL course descriptions indicate a range of language proficiency levels which correspond to the English proficiency required for understanding course content. The range may be used as a general guideline for student placement; however, the ACCESS assessment is not always an accurate reflection of an individual student's English language and academic skills. Teacher discretion should also be used for placement of students into appropriate courses.

Level 1	Entering No English	The student does not understand or speak English with the exception of a few isolated words or expressions.
Level 2	Beginning	The student understands and speaks conversational and some academic English with hesitancy and difficulty.
Level 3	Developing – Intermediate	The student understands and speaks conversational and academic English with decreasing hesitancy and difficulty and is developing reading comprehension and writing skills in English. The student's literacy skills allow the student to demonstrate academic knowledge in content areas with assistance.
Level 4	Expanding – Advanced Intermediate	The student understands and speaks conversational English without apparent difficulty, understands and speaks academic English with some hesitancy, and requires assistance to fully demonstrate knowledge in content area.
Level 5	Bridging – Advanced Mainstream w/ support	The student understands and speaks conversational and academic English well, but may still need support to succeed in mainstream classes.
Level 6	Exiting Mainstream no support	The student no longer needs support in mainstream classes.



English-Beginning

ZSL 121/122 1.0 credit Semester 1 and 2 Grade: 9, 10, 11, 12

DPI 1. Signature of ELL Department required.

This class helps you practice oral English with the use of basic English grammar in simple present tense, present progressive tense, and past tense. You will use the vocabulary learned in this class to practice asking and answering questions. You will also read short stories that have familiar vocabulary words you have learned in this class. Along with this class, you need to take the Language and Composition 1 class.

Language & Composition – 1

ZSL 123/124 1.0 credit Semester 1 and 2 Grade: 9, 10, 11, 12

DPI 1. Signature of ELL Department required.

This class teaches you how to write in English by using important skills such as listening, speaking, reading, and writing so you can write effectively in class and outside of the classroom. Along with this class, you need to take the English Beginning class.

English-Advanced Beginning

ZSL 131/132 1.0 credit Semester 1 and 2 Grade: 9, 10, 11, 12

DPI 1, 2. Signature of ELL Department required.

In this class, you will have more opportunities to continue practicing oral English with the new vocabulary you have learned. You will learn more grammar points and write more complex sentences. You will also read short fiction and drama. Along with this class you need to take Language and Composition 2.

Language & Composition – 2

ZSL 133/134 1.0 credit Semester 1 and 2 Grade: 9, 10, 11, 12

DPI 1, 2. Signature of ELL Department required.

This class teaches you how to better write in English when you use the writing process to jot down your ideas, write them in an orderly manner, revise and publish them in various forms such as journal, letter, expository, descriptive, etc. Along with this class you need to take the English-Advanced Beginning class.

English – Intermediate

ZSL 141/142 1.0 credit Semester 1 and 2 Grade: 9, 10, 11, 12

DPI 2. Signature of ELL Department required.

This English intermediate class gives you the opportunity to analyze how the different parts of a sentence are formed together so they make sense. You need to use listening, speaking, reading, and writing skills to achieve in the classroom and outside of class. Along with this class you need to take Language and Composition 3.

Language & Composition – 3

ZSL 143/144 1.0 credit Semester 1 and 2 Grade: 9, 10, 11, 12

DPI 2. Signature of ELL Department required.

This class gives you the opportunity to further your knowledge and writing skills by using different writing strategies and skills (listening, speaking, reading, and writing) as well as various forms of writing (journal, letter, expository, etc.) to help you write academic and non-academic works. Along with this class you need to take the English-Intermediate class.

English – Advanced Intermediate

ZSL 151/152 1.0 credit Semester 1 and 2 Grade: 9, 10, 11, 12

DPI 2, 3. Signature of ELL Department required.

This course offers you the opportunity to extend and expand knowledge practice use and better control of English *grammar* to succeed in high school and in environments and situations outside of school. Emphasis is placed on understanding and using grammar in spoken and written context while also developing listening and reading skills in order to achieve academic and social goals. Along with this class you need to take the Language and Composition 4 class.

Language & Composition – 4

ZSL 153/154 1.0 credit Semester 1 and 2 Grade: 9, 10, 11, 12

DPI 2, 3. Signature of ELL Department required.

This course offers you the opportunity to extend their knowledge and practical use of *writing* to better function and succeed in high school and in environments and situations outside of school. Emphasis is on writing with attention also given to listening, speaking, and reading English to achieve academic and social goals. Units of study include writing strategies and skills, writers' tools, various forms of writing (journal, letter, biographical, expository, descriptive, persuasive, poetry, TV/film), composing on computers, and publishing. Along with this class you need to take English – Advanced Intermediate

Literature 9 Reading

ZSL 161/162 1.0 credit Semester 1 and 2 Grade: 9, 10, 11, 12

DPI 3, 4. Signature of ELL Department required.

The intent of this course is to parallel as closely as possible the reading list of mainstream English 9. Students will also review grammar and functions as they come up in the literature. Texts will include novels and plays studied in the mainstream English 9 curriculum as well as short stories representing a variety of culture.

Literature 9 Writing

ZSL 163/164 1.0 credit Semester 1 and 2 Grade: 9, 10, 11, 12

DPI 3, 4. Signature of ELL Department required.

This class is designed to support advanced ELL students who are concurrently enrolled in Literature 9. Students will get support for Literature 9/ELL Tutorial class in reading, writing, vocabulary, and grammar.

American History & Geography 1

ZSL 221/222 1.0 credit Semester 1 and 2 Grade: 9, 10, 11, 12

DPI 1. Signature of ELL Department required.

This class is designed for students who have been in the U.S. approximately 1 year or less. Through our study of the seasons, Pacific States, Mountain States, The Great Plains and Midwest, The South, and the Northwest we will work to build student basic social studies academic vocabulary through reading, writing, and speaking exercises.

American History & Geography 2

ZSL 231/232 1.0 credit Semester 1 and 2 Grade: 9, 10, 11, 12

DPI high 1, 2. Signature of ELL Department required.

This class is for ELLs new to the United States who did not study U.S. History in eighth grade. The course covers the first half of U.S. History (ancient peoples through the Civil War) to prepare students for U.S. History 9, which begins after the Civil War. Essential concepts of government and civics are emphasized, helping prepare students to pass the U.S. Citizenship exam as well. Units of study include the Ice Age, American Indians, Colombian Exchange, 13 Colonies, American Government, Westward Expansion, Slavery and the Civil War.

American History & Geography 3

ZSL241/242 1.0 credit Semester 1 and 2 Grade: 9, 10, 11, 12

DPI 3, 4. Signature of ELL Department required.

In this class we will study the history of the United States from Reconstruction until World War II. You will learn about how different domestic and world events affected the lives of African Americans, American Indians, immigrants, women, and workers in the United States. Emphasis is placed on reading comprehension, vocabulary building, and writing in the content area.

Introduction to Physical Sciences

ZSL 351/352 1.0 credit Semester 1 and 2 Grade: 9, 10, 11, 12

DPI 1, 2. Signature of ELL Department required.

This class is for beginner and intermediate English students. In this class we will learn about matter, elements, and forces. There is a focus on hands-on activities and vocabulary. This class is offered every-other-year, alternating with Introduction to Life Sciences.

Introduction to Life Sciences

ZSL 361/362 1.0 credit Semester 1 and 2 Grade: 9, 10, 11, 12

DPI 1, 2. Signature of ELL Department required.

This class is for beginner and intermediate English students. This course is an introduction to biology-the study of living things. You will learn about plants and animals and how they interact with their environment. This class is offered every-other-year, alternating with Introduction to Physical Sciences.

Math and Science Tutorial

ZSL 371/372 1.0 credit Semester 1 and 2 Grade: 9, 10, 11, 12

DPI 1, 2, 3, 4, 5. Signature of ELL Department required.

This course supports ELLs who are currently enrolled in any science or math class. To receive credit, students must receive passing grades in all of their math and science classes.

Algebra/ELL

ZSL 421/422 1.0 credit Semester 1 and 2 Grade: 9, 10, 11, 12

DPI 1, 2. Signature of ELL Department required.

Learn algebra and improve your English skills at the same time! Algebra topics that you will learn include linear equations, inequalities, systems of equations, quadratic equations, exponents, exponential equations and more. Through conversations, reading, writing, charts, graphs and equations you will learn many ways to solve and explain algebraic problems. You will earn the same credit as mainstream algebra so you'll be ready for geometry!

Cultural Awareness

ZSL 511/512 1.0 credit Semester 1 and 2 Grade: 9, 10, 11, 12

DPI 1, 3. Signature of ELL Department required.

In this course we will learn about our own cultures and what it means to be multicultural literate citizens. We will read books by immigrants, who have become important authors and scholars, as well as passages from books on prestigious lists (e.g. Americas, Printz, Coretta Scott King Awards, and the Newbery Medal). Students will be encouraged to participate in clubs and activities according to their individual interests. Culture is a participatory activity in this class.

ELL Reading Strategies

ZSL 581/582 1.0 credit Semester 1 and 2 Grade: 9, 10, 11, 12

DPI 2, 3. Signature of ELL Department required.

This class is designed for intermediate ELLs. ELLs in this course will strengthen reading comprehension and vocabulary competencies. Explicit instruction on reading strategies as well as vocabulary expansion and the writing process will be the main focus of this course.

Spanish for Spanish Speakers 1

ZSL 611/612 1.0 credit Semester 1 and 2 Grade: 9, 10, 11, 12

DPI 1, 2, 3, 4, 5. Signature of ELL Department required.

This class is for Spanish speakers who wish to improve their native language skills, specifically in the area of reading and writing. Students will practice various types of writing including, journal, letter, biographical, expository, descriptive, persuasive, and poetry.

Hmong for Hmong Speakers 1

ZSL 621/622 1.0 credit Semester 1 and 2 Grade: 9, 10, 11, 12

DPI 1, 2, 3, 4, 5. Signature of ELL Department required.

This class is for Hmong speakers who wish to improve their native language skills. In this class, students will develop awareness and knowledge of the history, origins, extent, and importance of the Hmong Language. Students will gain knowledge, linguistic accuracy, and fluency in informal and formal oral and written language.

Hmong for Hmong Speakers 2

ZSL 623/624 1.0 credit Semester 1 and 2 Grade: 9, 10, 11, 12

DPI 1, 2, 3, 4, 5. Signature of ELL Department required.

This class is for Hmong speakers who wish to extend their knowledge about Hmong literacy. Students will deepen their understanding and knowledge of Hmong history, beliefs, and culture by reading Hmong and non-Hmong texts as well as by discussing and writing about Hmong issues.

Course Name	Semesters Offered	Course Number	Grade Levels			
			09	10	11	12
Clothing Construction & Careers	Sem 1 or 2	FCS 100	x	x	x	x
Interior Design & Entrepreneurship (offered 2011-12)	Sem 1 or 2	FCS 110	x	x	x	x
PEP Leadership 1	Sem 1	FCS 121	x	x	x	x
Culinary Basics	Sem 1 or 2	FCS 130	x	x	x	x
Child Development 1	Sem 1	FCS 211		x	x	x
Child Development 2	Sem 2	FCS 212		x	x	x
Introduction to Health Science Occupations	Sem 1 or 2	FCS 230		x	x	x
Health Information Office Assistant (offered 2010-11)	Sem 1 or 2	FCS 240		x	x	x
Nursing Assistant	Sem 1 or 2	FCS 250		x	x	x
Health Science Occupations 2	Sem 1 or 2	FCS 260		x	x	x
Gourmet Chef 1 Prostart	Sem 1 or 2	FCS 270		x	x	x
International Cuisine	Sem 1 or 2	FCS 280		x	x	x
Human Sexuality	Sem 1	FCS 301			x	x
PEP (Peers Education Peers)	Sem 1 or 2	FCS 310			x	x
AS Careers with Children	Sem 2	FCS 352			x	x
Gourmet Chef 2 Prostart	Sem 1 or 2	FCS 370			x	x
Career Internship	Sem 1 or 2	FCS 380			x	x
Independent Living	Sem 1 or 2	FCS 400				x

Clothing Construction & Careers

FCS 100 .5 credit Semester 1 or 2 Grade: 9, 10, 11, 12
No prerequisites. Meets Recommendation: CTE

Non-sewers and all levels of sewing ability welcome.

Lab fee: \$20. Students may also wish to purchase project materials during our fabric store fieldtrip.

Students will learn to use a sewing machine and pattern to plan and complete garments which fit into their personal wardrobe while applying their skills and knowledge to the world of work. Clothing construction, repair, re-design and consumer skills are emphasized. A variety of career options in the clothing and fashion industries are explored. Each student will complete at least one machine sewing project using a pattern and construction skills. Advanced students may work ahead on new skills independently. Units of study include: fabrics and their care, line and design, color, pattern selection, clothing construction, and careers.

Interior Design & Entrepreneurship

FCS 110 .5 credit Semester 1 or 2 Grade: 9, 10, 11, 12
No prerequisites. Meets Recommendation: CTE

This course is only offered every other year.

Students must purchase their own project materials.

This course is open to both males and females interested in design—whether it's studying housing, interior design, or creative hand crafts for the home. The only prerequisite is an interest in trying new things! Are you a creative person? Looking for an opportunity to try new crafts and explore the possibility of entrepreneurship in your future? This class is for you! This course will provide you an opportunity to study how environments affect people and what factors influence your choices. Learn ways to select and beautify your surroundings and save money while having fun. Units of study include: design experiences in architecture, furniture arrangement, color selection, weaving techniques, needlework, fabric dyeing, floral arrangement, etc.

PEP Leadership 1

FCS 121 .5 credit Semester 1 Grade: 9, 10, 11, 12

Prerequisite: Signature of instructor. A designated middle school person will recommend 8th grade students to liaison person at the high school. (call with questions: Natalie Aguirre 204-1524):

PEP Leadership 1 is to prepare students for leadership roles in schools, the community and as future teachers. A main component of the class will be a “hands-on” tutoring/mentoring program at feeder elementary schools. This team-taught class uses cooperative experiences to facilitate interactive learning. Units of Study include: The class will focus on leadership, education, race issues, choices and impacting

Culinary Basics

FCS 130 .5 credit Semester 1 or 2 Grade: 9, 10, 11, 12
Lab fee: \$20. Meets Recommendation: CTE

No prerequisites.

This is the first in a recommended series of foods classes focusing on the basics of food preparation and nutrition. Students will have the privilege of a kitchen laboratory experience approximately once per week as they “eat their way around the food pyramid.” Designed for those who want to take higher level courses as well as those who love to cook. This course prepares you for International Cuisine or Gourmet Chef 1 ProStart. Units of Study include: The importance of food, nutrition, eating disorders, food safety, kitchen safety, cooking equipment, cooking terms, reading a recipe, table manners, menu planning, quick breads, yeast breads, vegetables, fruits, dairy products, eggs, meat/poultry, bakeshop: cookies, tarts.

Child Development 1

FCS 211 .5 credit Semester 1 Grade: 10, 11, 12
Meets Recommendation: CTE

No prerequisites.

Students must have a clean background check to participate in the Preschool or volunteer in a daycare center (Per caregiver law HFS 12).

This class should be a requirement to graduate for all males and females. If your future career includes teaching this is a prerequisite course. What do you know about children and their development from conception through their first year of life? Why are the first three years of a child’s life the most important years? What does it take to be a good parent? Students in class learn what it’s like to be a parent for 48 hours as they care for the simulated “Baby Think It Over” Doll. Childcare skills are taught as students plan and operate a 4-week preschool right here at East. Units of study include: prenatal influences before birth, pregnancy, brain development, infant care during the first year of life, social and emotional development of children, preschool preparation and participation.

Child Development 2

FCS 212 .5 credit Semester 2 Grade: 10, 11, 12
Meets Recommendation: CTE

No prerequisites.

Students must have a clean background check to participate in the Preschool or volunteer in a daycare center (Per caregiver law HFS 12).

What is the difference between punishment and discipline? When does discipline become “abusive”? What does effective discipline look and sound like? How does one handle common behavior issues like temper tantrums, sibling rivalry, and toilet training? What do we know about the way children learn best? Students are provided with an opportunity to improve their understanding of childcare skills through a hands-on Preschool simulation right here at East. This is excellent “teacher training” for students interested in teaching as a career choice. Units of study include: effective parenting, working with special needs children, crises and child, nutrition and children, children’s literature, health and safety, and preschool preparation and operation.

Introduction to Health Science Occupations

FCS 230 .5 credit Semester 1 or 2 Grade: 10, 11, 12
Meets Recommendation: CTE

Participation in YHSC or HOSA club is recommended.

No prerequisites.

Get a jump start on a career in the rapidly growing health care industry. Many describe this introductory course as a “make or break” in their decision to go into health care before investing in college tuition. Learn to use basic medical equipment while exploring the many career opportunities in health care. In this interdisciplinary course students will become familiar with medical terminology, body systems, and legal and ethical health care issues. This course is a prerequisite for the Certified Nursing Assistant course. Students are also invited to participate in Health Occupation Students of America (HOSA) Club which sponsors community service and competitive state and

national events or the Youth Health Service Corp (YHSC) which links students to healthcare-based service learning and community service opportunities. Units of study include: Core information such as medical terminology, basic physiology and anatomy, and technology related to all aspects of health care.

Health Information Office Assistant

FCS 240 .5 credit Semester 1 or 2 Grade: 10, 11, 12
This course is only offered every other year. Meets Recommendation: CTE
Participation in HOSA (Health Occupations Students of America) club is recommended.

Perfect for those interested in the field of medicine but uncomfortable with direct patient contact. Successful completion of this course will prepare a student for entry-level positions in a variety of medical offices. Whether you work for a clinic, hospital, chiropractor, rehabilitation center, optometrist, podiatrist, nursing home, insurance company, or private billing services – you’ll have a career you can be proud of! Medical office assistants enjoy exciting, varied assignments, steady work schedules, respect and prestige. These skills are also transferable to a variety of non-medical office careers. Units of study include: office procedures, customer service, communication, medical terminology, privacy rights, computer skills and health care insurance.

Nursing Assistant*

FCS 250 .75 credit Semester 1 or 2 Grade: 10, 11, 12
Lab fee \$25.00. Meets Recommendation: CTE
*Prerequisite: * Successful completion of Intro to Health Science Occupations (FCS 230) or instructor signature required. This course is recommended for students 16 years old and above. (Contact Dottie Winger with questions, 204-1666 or dwinger@madison.k12.wi.us).*

This course is team taught by a vocationally certified teacher and a registered nurse. Students learn and apply care giving skills in lab and professional settings. Students seeking employment in any health care field will find this a valuable first step! Nursing Assistant is a Prerequisite to all Wisconsin Technical College System nursing programs and highly regarded in 4-year college admissions. Units of study and skills include: human development, infection control, patient transfer, body in health and disease, personal care and hygiene, nutrition, and special care.

* To meet certification requirements, students must complete clinical experiences in a local health care agency arranged by the teacher, maintain a grade of 75% or better, and meet attendance requirements. The school is not responsible for transportation. A medical checkup, TB skin tests, successful background check and \$115 certification test fee are required. Class meets for additional hours of lab and clinical time on weekends, evenings, and/or breaks.

Health Science Occupations 2

FCS 260 .5 credit Semester 1 or 2 Grade: 10, 11, 12
Lab fee \$25.00 Meets Recommendation: CTE
Prerequisite: Successful completion of Health Science Occupations (FCS 230) or signature of instructor required (Contact Dottie Winger with questions, 204-1666 or dwinger@madison.k12.wi.us).

This course teaches caregiver skills, but does not require additional clinical or lab time and does not result in CNA certification. You **do not need this course if you are taking Nursing Assistant (FCS 250) as it covers the same content.* If you find satisfaction in helping others, this course is for you! This course provides excellent caring skills for family life and good preparation for health care skills used in physical therapy and hands-on patient care careers. If you’d like to learn the nursing assistant skills, but don’t need the certification for nursing school or a job, then this is the non-certification option. Units of study include: labs to practice skills in patient transfer, vital signs, records, charting, and assisting with activities of daily living.

Gourmet Chef 1 Prostart

FCS270 .5 credit Semester 1 or 2 Grade: 10, 11, 12
Lab fee \$20.00. Meets Recommendation: CTE
Prerequisite: Culinary Basics (or Junior/Senior)

This class focuses on beginning food service and more advanced food preparation techniques. Students will have several restaurant and catering activities throughout the semester – they will be in the kitchens 1-3 times/week. If

you are interested in food service or love to cook, this is the class for you! This course is the prerequisite for students enrolling in Gourmet Chef 2 Prostart. Units of study include: Customer relations, knife skills and techniques, safety and sanitation in the workplace, equipment use, breakfast foods (eggs, breads, meats), fruits, vegetables, garnishing, cold platter deli tray, salads, cookies, sandwiches.

International Cuisine

FCS 280 .5 credit Semester 1 or 2 Grade: 10, 11, 12
 Lab fee: \$20. Meets Recommendation: CTE

Prerequisite: Culinary Basics or senior (or Culinary Arts 1 in 2008 or 2009)

Sample food and culture around the world, cooking American regional and world cuisine. Explore geographical regions of the US (Northwest, Southwest, New England, Midwest, Pennsylvania, and the South) and the world (Mexico and Latin America, France, Italy, Greece, Japan, China, India and Africa).

Human Sexuality

FCS 301 .5 credit Semester 1 Grade: 11, 12

No prerequisites.

This course takes a mature look at the many aspects surrounding relationships and sexuality. This class will surely lessen one's chances of ending up in an "unhealthy" relationship. Students taking this course should be willing to participate in a discussion based format. Units of study include: Understanding ourselves, communication skills, decision-making skills, identifying what "love" really feels like, dating dos and don'ts, signs of unhealthy relationships, pregnancy & STD awareness and prevention, and the secure benefits of practicing abstinence.

PEP (Peers Educating Peers)

FCS 310 .5 credit Semester 1 or 2 Grade: 11, 12
Meets Recommendation: CTE

Prerequisite: Signature of instructor.

Recommendations by staff member, administrator or former PEP student are made to Mrs. Aguirre. (Call with questions: Natalie Aguirre 204-1524)

It is a privilege to be part of this class. The first nine weeks involves training in valuable communication and leadership skills to become a trained "peer educator". The second nine weeks you will go to middle schools and "teach" middle school students about the importance of feeling good about self and how to deal with peer pressure as it relates to drugs and alcohol and other teen issues. Students interested in a teaching career are encouraged to apply for a recommendation to take PEP. Units of Study include: Getting to know you, Day-Away, adolescent development, communication and leadership training, designing lessons to be taught to feeder middle schools

AS Careers with Children

FCS 352 .5 credit Semester 2 Grade: 11, 12
Meets Recommendation: CTE

Prerequisite: Child Development 1 or 2.

Students must have a clean background check to participate in the Preschool or volunteer in a daycare center (Per caregiver law HFS 12).

Does your future career involve children? Successful completion of this course allows you to become certified as an assistant child care teacher through the Department of Public Instruction. (If you took this course at MATC it would cost you \$400.00.) This course will offer you valuable insights and skills you need to be successful in understanding and working with children. Students will prepare for and operate East's very own preschool. Upon completion of this course students will meet the criteria to work as an assistant child care teacher in a Wisconsin licensed childcare program. Child Development 1 or 2 is required first! Units of study include: introduction of childcare services, effective interaction with children, classroom safety, meals and snacks, classroom activities and environment, working through stress in families, and child abuse and neglect.

Gourmet Chef 2 Prostart

FCS 370 .5 credit Semester 1 or 2 Grade: 11, 12
 Lab fee \$20.00. Meets Recommendation: CTE

Prerequisite: Gourmet Chef 1 Prostart (or Culinary Arts 1 in 2008 or 2009)

Students who have a special interest and talent for the culinary arts are encouraged to enroll. Interest in attending college/tech school in the culinary field are a bonus but not required. Students will have several restaurant and catering activities throughout the semester – they will be in the kitchens 1-3 times/week. There will be opportunity to be part of the annual state-wide Prostart Culinary Competition. Units of Study include: History of food service, menu planning, purchasing, customer service, mock restaurant experience, potatoes, pasta (noodles and sauce), rice, yeast breads, cake decorating, pastry/pie, cooked and frozen desserts, meat, seafood, poultry, soups and sauces.

Career Internship

FCS 380 1.0 credit Semester 1 or 2 Grade: 11, 12

Prerequisite: Students must complete a program application and interview. Meets Recommendation: CTE (Contact Dottie Winger for application or information, 204-1666 or dwinger@madison.k12.wi.us).

Class requires students to arrange transportation and maintain employment for an additional 180 hours (This is why a semester course earns 1 credit**). Some job placements will require a Health history without restrictions, Confidentiality training, and a Clean background check (Per caregiver law HFS 12).*

GET PAID, RECEIVE CREDIT AND GAIN EXPERIENCE. Learn while you earn by linking your classroom knowledge to paid employment in a work environment in the Madison area. Build decision making and leadership skills while applying classroom knowledge in a real work setting. You may be employed in areas relating to Bio-technology, Health Information, Business Support Services, Technology, Marketing, Merchandising, Child Care and Food Service to name a few. These are employment opportunities students would have difficulty securing on their own. At the completion of the course portfolio and 180 on-the-job-hours, you will be awarded a State Certified Employability Skills Certificate. A great resume enhancer and conversation piece during your next job interview. Units of study include: Understanding organizations, Reaching your career goals, Communication and documentation in the work setting, Networking and Self-advocacy.

Independent Living

FCS 400 .5 credit Semester 1 or 2 Grade: 12

This class is a must for any senior who wants to prepare themselves for the real world! Independent Living will help you develop the life skills needed to survive on your own. This exciting course offers guest speakers and field trips into the community. Units of study include: money management, budgeting, credit/loans, credit cards, checking accounts, basic nutrition and food preparation, car buying, renting an apartment, STD's and HIV awareness, birth control, and clothing care and repair.

Course Name	Semesters Offered	Course Number	Grade Levels			
			09	10	11	12
French 1	Sem 1 and 2	FOR 101/102	x	x	x	x
French 2	Sem 1 and 2	FOR 121/122	x	x	x	x
French 3	Sem 1 and 2	FOR 201/202		x	x	x
French 4	Sem 1 and 2	FOR 301/302			x	x
French 5	Sem 1 and 2	FOR 401/402				x
French Language Advanced Placement	Sem 1 and 2	FOR 461/462				x
Facilitated Foreign Language	Sem 1 and 2	FOR 331/332		x	x	x
Spanish 1	Sem 1 and 2	FOR 111/112	x	x	x	x
Spanish 2	Sem 1 and 2	FOR 131/132	x	x	x	x
Spanish 3	Sem 1 and 2	FOR 211/212		x	x	x
Spanish 4	Sem 1 and 2	FOR 311/312			x	x
Spanish 5	Sem 1 and 2	FOR 411/412				x
Spanish Language Advanced Placement	Sem 1 and 2	FOR 463/464				x

Students may elect from several foreign languages offered at East High School – French, Spanish or Facilitated Language Study. Instruction in French and Spanish is given in a four-year sequence, from beginning to advanced. Facilitated Language Study is described below. Placement of incoming 9th graders in the appropriate level of French or Spanish is determined by middle school teacher’s recommendations or by a placement test given during the spring semester preceding the student’s enrollment at East.

The study of a foreign language involves learning new terminology, how to interpret information, decoding language, making meaning of text, and interpreting visual cultural cues. Basic skills of communication, team building, cooperation, respect for others, and tolerance for differences are all marketable skills developed in the foreign language classroom. Foreign language students also develop competencies in information technologies. Both the Madison Metropolitan School District and the community are aware that foreign language study better prepares students to participate in the global community.

French 1

FOR 101/102 1.0 credit Semester 1 and 2 Grade: 9, 10, 11, 12

*This course is open to students with **no** previous foreign language experience.*

This is an introductory course that will help students develop skills in listening, speaking, reading and writing French and explore the culture of the French-speaking world. Emphasis is on listening comprehension and speaking skills to develop communicative competency. Instruction is in French, relying on pictures, gestures and conversations to ensure comprehension. Students eventually start to use the structure of the language to communicate simple ideas and apply strategies to read and write simple paragraphs and stories. Learning is enhanced through the use of authentic materials from French-speaking countries. Units of study include: practical thematic units include food, clothing, school, family and home, and travel. Students will communicate in the present and near future tenses. Cultural elements of Africa, Canada, Louisiana, and France are studied.

Spanish 1

FOR 111/112 1.0 credit Semester 1 and 2 Grade: 9, 10, 11, 12

*This course is open to students with **no** previous foreign language experience.*

This is an introductory course that will help students develop skills in listening and understanding, speaking, reading, and writing Spanish. Emphasis is on listening comprehension, speaking, and using practical vocabulary and grammar to develop communicative competency. Learning may be enhanced through web-based activities. Students become familiar with the structure of the language and how it serves to communicate ideas and culture. Units of study include: classroom objects, basic adjectives, colors, numbers, days and months, telling time, clothing, food, family, professions, animals, and introductory geography/culture depending on individual teachers.

French 2

FOR 121/122 1.0 credit Semester 1 and 2 Grade: 9, 10, 11, 12

Prerequisite: Successful completion of French 1.

This course will help students improve proficiency in listening, speaking, reading and writing French and explore the culture of the French-speaking world. The majority of instruction is in French, and students continue to improve communicative competency in the language through meaningful oral and written communication. Students will review and expand on concepts learned in French 1 including the reading of a novel to further stretch language skills through context. Learning is enhanced through the use of authentic materials from French-speaking countries. Units of study include: Practical thematic units include hobbies and pastimes, health, travel and telecommunication. Students will communicate in the present, past and near future tenses. French influence in Wisconsin and around the world will be studied through geography, history and popular culture.

Spanish 2

FOR 131/132 1.0 credit Semester 1 and 2 Grade: 9, 10, 11, 12

Prerequisite: Successful completion of Spanish 1.

Students will continue to increase their knowledge of vocabulary, the structure of language, and to improve their proficiency in the four basic skills: listening, speaking, reading, and writing. Videos, CDs and web-based activities will be used to expand language acquisition. Units of study include: active participation using oral and written forms, reading, comprehending, and discussing information learned from authentic materials. Students will narrate and describe in present, past, and future time frames in oral and written forms.

French 3

FOR 201/202 1.0 credit Semester 1 and 2 Grade: 10, 11, 12

Prerequisite: Successful completion of French 2.

Students will continue to improve their proficiency in the four basic skills: listening, speaking, reading and writing. A variety of teaching strategies is used with an emphasis on reading and communication skills. Reading may include short stories, poems and plays. Listening includes films in the French language with and without subtitles. Oral and written communication may include web-based research activities and oral presentations in the target language. Units of study include: students actively participating using oral and written forms. Read, understand, and discuss information learned from authentic materials. Narrate and describe in present, past, and future time frames in oral and written forms. Recognize and appreciate cultural perspectives.

Spanish 3

FOR 211/212 1.0 credit Semester 1 and 2 Grade: 10, 11, 12

Prerequisite: Successful completion of Spanish 2.

Starting with a review and continuation of intermediate grammar, students will begin studying advanced grammar during the second semester. Students will improve through practice their proficiency in the four basic skills: listening, speaking, reading, and writing. A variety of teaching strategies is used with an emphasis on reading and communication skills. Video and tape activities will be used as well as online practices and interaction.. Students will read for the first time primary literature: short stories, poems, and plays. They will also write some assignments in essay form. Units of study include: students actively participate using oral and written forms, read, understand, and discuss information learned from authentic materials, narrate and describe in present, past, and future time frames in oral and written forms, recognize and appreciate cultural perspectives, learn imperative and subjunctive moods.

French 4

FOR 301/302 1.0 credit Semester 1 and 2 Grade: 11, 12

Prerequisite: Successful completion of French 3.

All four components of language acquisition--listening, speaking, writing and reading are honed. French is spoken exclusively and fluency is learned systematically through immersion. Grammar stretches skills learned in s 1-3 plus there is intensive study of other verb tenses. Vocabulary expansion is stressed with authentic reading materials from novels, music, current events. Compositions focus on accuracy and succinct self-expression in relationship to themes studied. Some subjects studied include (but not limited to): French pre-history to the middle Ages, Fantome de

l'Opera, Le Petit Prince, a war unit and African story-telling. In addition, a variety of methods/tools are used to make the language relevant and useful. Portfolios are an optional quarterly activity for students who seek more in-depth study on a chosen topic.

Spanish 4

FOR 311/312 1.0 credit Semester 1 and 2 Grade: 11, 12

Prerequisite: Successful completion of Spanish 3.

This course provides opportunities for students to use and perfect the skills acquired in previous courses. It completes the structured study of grammar and vocabulary and begins to emphasize individual expression through oral presentations, advanced compositions, small group discussions, and the reading of literary selections chosen for their cultural and/or personal relevance. **Video, audio and web-based activities will be used to expand language acquisition.** All communication in class is in Spanish. Units of study include: students **actively participate** using oral and written forms. A variety of methods and materials will be used to promote authentic communication. Students will: read, understand, and discuss information in Spanish; narrate and describe in present, past, and future time frames both orally and in writing; recognize and appreciate cultural perspectives; express and defend opinions.

Facilitated Foreign Language

FOR 331/332 .5 or 1.0 credit Semester 1 and 2 Grade: 10, 11, 12

Prerequisite: Completion of French 2 or Spanish 2 with a minimum grade of B each semester or consent of instructor based on equivalent experience.

Special Notes/Requirements: Signature of teacher required. The language studied is chosen by the student, however languages offered may be limited by student interest and/or availability of resources.

This course is designed for highly motivated learners who wish to study a language aside from the traditional offerings in French and Spanish. In this non-traditional language study class, students will use a variety of materials and resources to learn a chosen language. The teacher-facilitator will instruct the groups in critical language learning methods and students will participate in language learning activities, working individually as well as cooperatively in small language cohorts. Native-speaking tutors will provide oral practice. Units of study: the first year of this course will cover introductory curriculum in the chosen language as well as language learning techniques. Subsequent years will continue study in the chosen language.

French 5

FOR 401/402 1.0 credit Semester 1 and 2 Grade: 12

Prerequisite: Successful completion of French 4.

Emphasis is on all forms of communication and the student will polish their language skills while reviewing the grammar structures learned in previous years. Authentic reading materials include contemporary short stories, plays, and novels. Students will increase their fluency in French by writing in short assignments and through oral activities. A battery of practice tests will prepare students for the college placement exams. Units of study include: grammar review in units, story writing and oral presentations on notable francophones and Paris. Read, understand, and discuss information learned from authentic materials. Narrate and describe in present, past, and future time frames in oral and written forms. Recognize and appreciate cultural perspectives. Express and defend opinions. Explore options in a situation and handle difficult activities and unexpected events.

Spanish 5

FOR 411/412 1.0 credit Semester 1 and 2 Grade: 12

Prerequisite: Successful completion of Spanish 4.

Varied activities help develop students' conversational ability since all communication in class is conducted in Spanish. Reading materials in their original form include contemporary short stories, plays, and novels. Video activities will be used to expand language acquisition. Writing skills are refined through original compositions and grammar is reviewed according to students' needs. Students who take this course prepare themselves for further study of Spanish at the college level. Practice exams will prepare students for the placement tests administered by many colleges and universities to incoming freshman. Units of study include: students actively participating using oral and written forms, read, understand, and discuss information learned from authentic materials. Narrate and

describe in present, past, and future time frames in oral and written forms. Recognize and appreciate cultural perspectives. Express and defend opinions. Explore options in situations and handle difficult activities and unexpected events.

French Language Advanced Placement

FOR 461/462

1.0 credit

Semester 1 and 2

Grade: 12

Placement is based on the results of the diagnostic test, a grade of A or B in French 4, and the signature of the French teacher.

This course is equivalent to an intermediate conversation and composition course at the college level and is accredited by the College Board. The course content reflects the interests that are common to the students and teacher in the areas of history, the arts, current events, and sports. Students will increase their fluency in French by writing weekly in their on-line journals and through oral activities. Materials for this course include authentic audio and video recordings, web-based newspapers, magazines, literary works, and grammar review texts. Students will complete a battery of practice tests in preparation for the AP French Language Examination, given in May. The AP French Language Examination is optional, not required. Units of study include: grammar review in units, story writing and oral presentations on notable francophones and Paris. Read, understand, and discuss information learned from authentic materials. Narrate and describe in present, past and future time frames in oral and written forms. Recognize and appreciate cultural perspectives. Express and defend opinions. Explore options in a situation and handle difficult activities and unexpected events.

Spanish Language Advanced Placement

FOR 463/464

1.0 credit

Semester 1 and 2

Grade: 12

Placement is based on the results of the diagnostic test, a grade of A or B in Spanish 4, and the signature of the Spanish teacher.

This course is equivalent to an intermediate conversation and composition course at the college level. The course content reflects the interests that are common to the students and teacher in the areas of history, the arts, current events, and sports. Students will increase their fluency in Spanish by writing weekly in their on-line journals and through oral activities. Materials for this course include authentic audio and video recordings, web-based newspapers, magazines, literary works, and grammar review texts. Students will complete a battery of practice tests in preparation for the AP Spanish Language Examination, given in May. The AP Spanish Language Examination is optional, not required. Units of study include: students actively participating using oral and written forms. Read, understand, and discuss information learned from authentic materials. Narrate and describe in present, past, and future time frames in oral and written forms. Recognize and appreciate cultural perspectives. Express and defend opinions. Explore options in situations and handle difficult activities and unexpected events.

Course Name	Semesters Offered	Course Number	Grade Levels			
			09	10	11	12
Library Media Assistant	Sem 1 or 2	LMC 101/102	x	x	x	x
Audio/Visual Assistant	Sem 1 or 2	LMC 111/112	x	x	x	x

Library Media Assistant

LMC 101/102 .5 credit Semester 1 or 2 Grade: 9, 10, 11, 12

Signature of instructor required. Number is limited by the instructor.

Practical work experiences train the student to use library skills and to perform library assistant duties; for example: checking in and checking out LMC materials, shelving books (fiction, nonfiction, reference), audio-visual materials, periodicals, etc. LMC staff gives individualized instruction. Students will need to work independently at times. Because this is a work credit course, good attendance is a grade factor.

Audio/Visual Assistant

LMC 111/112 .5 credit Semester 1 or 2 Grade: 9, 10, 11, 12

Signature of instructor required. Number is limited by the instructor.

Practical work experiences train the student to use and help others with audio-visual materials. AV staff gives individualized instruction. Student will need to work independently at times. Because this is a work-credit course, good attendance is a grade factor.

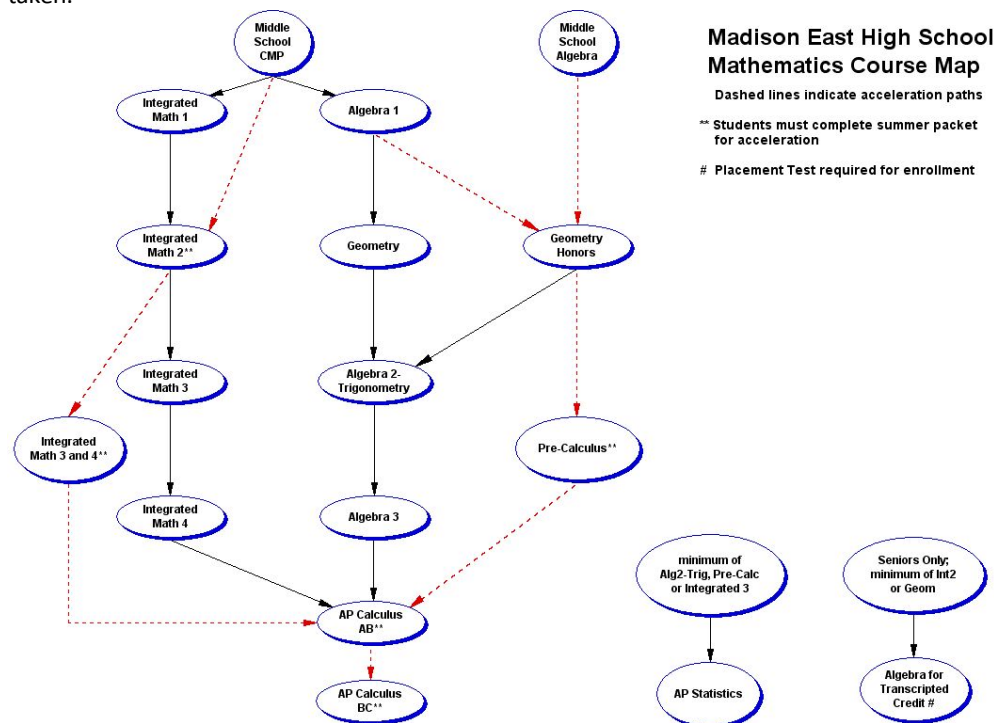
Course Name	Semesters Offered	Course Number	Grade Levels			
			09	10	11	12
Algebra 1	Sem 1 and 2	MAT 111/112	x	x	x	
Integrated Math 1	Sem 1 and 2	MAT 131/132	x	x	x	
Geometry	Sem 1 and 2	MAT 211/212	x	x	x	x
Geometry Honors	Sem 1 and 2	MAT 221/222	x	x		
Integrated Math 2	Sem 1 and 2	MAT 231/232	x	x	x	x
Algebra 2/Trigonometry	Sem 1 and 2	MAT 311/312		x	x	x
Integrated Math 3	Sem 1 and 2	MAT 331/332		x	x	x
Pre-Calculus	Sem 1 and 2	MAT 361/362		x	x	x
Algebra 3	Sem 1 and 2	MAT 411/412			x	x
Integrated Math 4	Sem 1 and 2	MAT 431/432			x	x
Algebra Concepts for Transcribed Credit	Sem 1 and 2	MAT 511/512				x
Calculus AB – Advanced Placement	Sem 1 and 2	MAT 521/522			x	x
Calculus BC – Advanced Placement	Sem 1 and 2	MAT 531/532				x
Statistics – Advanced Placement	Sem 1 and 2	MAT 541/542			x	x

Students must complete two years of high school math with a minimum of Algebra and Geometry or Integrated Math 1 and 2 to obtain a diploma. Because these two paths cover material in different sequences, students cannot switch from one path to another in the first two years. For example, a student cannot take Algebra 1 and then Integrated 2.

Although the Integrated path and the more traditional path (Algebra 1, Geometry, Algebra/Trig, etc.) use different curricula and present concepts in a different sequence, both paths prepare students for success at East, for post-secondary studies, and provide equivalent acceleration paths to our AP courses.

This diagram indicates the paths that most students take in the mathematics department. While the indicated paths are the most common, there are occasions when students may take different paths. This must be done with the consent of the mathematics department.

Continued progress along the acceleration paths is dependent on high achievement in the classes that are taken.



Algebra 1

MAT 111/112 1.0 credit Semester 1 and 2 Grade: 9, 10, 11

Algebra 1 and Geometry will satisfy requirement for graduation. Graphing calculator (TI-83 or 84) needed.

This is a comprehensive course of Algebra. Extensive work with equations is required of all students. Passing BOTH Semesters of Algebra 1 is required to advance to Geometry. Units of study include: slope, inequalities, graphs, linear, quadratic and exponential equations.

Integrated Math 1

MAT 131/132 1.0 credit Semester 1 and 2 Grade: 9, 10, 11

Integrated Math 1 and 2 are comparable to Algebra 1 and Geometry; they will satisfy the math requirement for graduation. Graphing calculator (TI-83 or 84) needed.

The Integrated Math Series (1, 2, 3, and 4) incorporates mathematical topics covered in Algebra, Geometry, Statistics, Trigonometry, and Pre-Calculus. Emphasis is on problem solving, applications, concepts and communication in a technology-driven world. Group work is an essential part of the course. Units of study include: algebra, statistics, linear functions, geometry, and probability.

Geometry

MAT 211/212 1.0 credit Semester 1 and 2 Grade: 9, 10, 11, 12

Prerequisite: Successful completion of both semesters of Algebra 1. Algebra 1 and Geometry will satisfy the math requirement for graduation.

This course is in the Algebra-Geometry sequence. This course develops and presents proofs, geometric relationships, and coordinate geometry. The students will be expected to learn proofs, postulates, theorems, formulas, and the properties of triangles. There will be emphasis placed on applications. Units of study include: areas, volumes, Pythagorean Theorem, plane figure, similarity and congruence, right triangle trigonometry, and transformations.

Geometry Honors

MAT 221/222 1.0 credit Semester 1 and 2 Grade: 9, 10

*Prerequisite: Successful completion of Algebra 1, signature of Algebra 1 instructor.**May not receive credit for both Geometry Honors and Geometry. Algebra 1 and Geometry will satisfy the math requirement for graduation.*

This course is a challenging course for academically-motivated students who enjoy math, are fluent in Algebra, and have good homework skills. This fast-paced course includes all topics from Geometry (MAT211/212). Students will cover additional topics and will be required to complete projects. Units of study include: transformations, proofs, logic, geometric relations/properties, triangle trigonometry, and coordinate geometry. **(See page 7 for Honors information.)**

Integrated Math 2

MAT 231/232 1.0 credit Semester 1 and 2 Grade: 9, 10, 11, 12

*Prerequisite: Successful completion of Integrated Math 1. This course is a continuation of Integrated Math 1.**Students with strong performance in 8th grade CMP may take this class as an accelerated path with signature of instructor and summer packet completion. Graphing calculator (TI-83 or 84) needed.*

This second year of a 4-year series covers Algebra, Geometry, Statistics, Trigonometry, and Pre-calculus. Emphasis on Linear (Matrix) Algebra, Network Optimization, Geometry, and applications, communication and problem solving strategies used in science, mathematics and computer science. Group work skills are essential. Units of study include: matrix models, transformations, linear regressions, quadratic equations, similarity, and trigonometry.

Algebra 2/Trigonometry

MAT 311/312 1.0 credit Semester 1 and 2 Grade: 10, 11, 12

Prerequisite: Successful completion of either Geometry or Geometry Honors. Graphing calculator (TI-83 or 84) is needed.

This course reviews and extends all topics from Algebra 1, but includes the study of trigonometric functions, as well as many other non-linear functions. This is the 3rd course in the college-prep Algebra-Geometry-Trigonometry sequence. Units of study include: recursion, logarithmic functions, trigonometry, matrices, linear, exponential and power functions, polynomials, and modeling data.

Integrated Math 3

MAT 331/332 1.0 credit Semester 1 and 2 Grade: 10, 11, 12

Prerequisite: Successful completion of Integrated Math 2. The UW-Madison and other colleges consider Integrated Math 3 comparable to Trigonometry. Graphing calculator (TI-83 or 84) needed.

The third year of the 4-year Integrated Series. Emphasis is on moving towards more advanced and abstract methods of problem solving strategies used in science, math and computer science. Topics include: Algebra, Analytic Geometry, Trigonometry, Statistics and Discrete Math. Units of study include: advanced algebra, algebraic and geometric proof, trigonometry, sequences, series, family of functions, and statistics.

Pre-Calculus

MAT 361/362 1.0 credit Semester 1 and 2 Grade: 10, 11, 12

Prerequisite: Successful completion of Geometry Honors. Graphing calculator (TI-83 or 84) needed. Students need to complete summer packet.

This course prepares the student for AP Calculus AB. The emphasis is on functions, theory of equations, transcendental functions, analytic geometry, and applied word problems. This course combines materials from MAT 311/312 (Alg2/Trig) and MAT 411/412 (Algebra 3); therefore, it requires both proficiency and acceleration of algebraic concepts. Units of study include: functions, polynomials, trigonometry, sequences, and series.

Algebra 3

MAT 411/412 1.0 credit Semester 1 and 2 Grade: 11, 12

Prerequisite: Successful completion of Algebra2/Trigonometry. Graphing calculator (TI-83 or 84) is needed.

This is a pre-Calculus course which follows the Algebra-Geometry-Trigonometry sequence. It covers advanced topics in Algebra, Trigonometry, Analytic Geometry, complex numbers, and function theory. This course leads students into AP Calculus AB or AP Statistics. Units of study include: functions, conic sections, parametric equations, sequences, series, limits, probability, statistics, and trigonometry.

Integrated Math 4

MAT 431/432 1.0 credit Semester 1 and 2 Grade: 11, 12

Prerequisite: Successful completion of Integrated Math 3. Graphing calculator (TI-83 or 84) needed.

This is the 4th year of the Integrated Math series. Emphasis is on advanced and abstract mathematical topics in preparation for the study of AP or university Calculus and Statistics. The mathematical concepts are studied in an investigative approach and an application and problem solving context. Units of study include: advanced algebra and statistics, trigonometric, logarithmic, and exponential functions, 3-D geometry, polynomial and rational functions, parametric equations, and derivative functions.

Algebra Concepts for Transcribed Credit

MAT 511/512 1.0 cr +3 tech college cr Semester 1 and 2 Grade: 12

Prerequisite: Algebra 1 and Geometry or Integrated Math 1 and 2. Enrollment based on placement test. Algebra Concepts for Transcribed Credit is dependent on the annual renewal and successful completion of an agreement for credit between MMSD and a Wisconsin Technical College. Upon completion of this course with a passing grade, you will receive both 1 elective mathematics credit from MMSD and 3 technical college credits from a Wisconsin technical college. You will receive an official transcript from the technical college verifying the grade and the granting of technical college credit. There is no cost to you for the college credits.

Algebra Concepts for Transcribed Credit provides a thorough coverage of topics in an introductory college-level algebra course. The course focuses on skills and techniques used to simplify and solve linear, polynomial, radical and rational expressions and equations with an emphasis on solving problems with real-world applications. Units of study include: second year algebraic concepts and solving real-world application problems.

Calculus AB – Advanced Placement

MAT 521/522 1.0 credit Semester 1 and 2 Grade: 11, 12

Prerequisite: Must have successfully passed Pre-Calculus, Algebra 3, or Integrated Math 4. Signature of current math instructor required.

College credit may be earned through the Advanced Placement (AP) examination. Graphing calculator is required (preferably the TI-83 or 84, NOT the TI-89 or the prohibited TI-92). Summer packet completion is required.

This is a college course, which develops the concepts and skills of a first semester university course over an entire year. Problems are approached from symbolic, numerical and graphical perspectives. Units of study include: limits, derivatives and their applications, integrals and their applications.

Calculus BC – Advanced Placement

MAT 531/532 1.0 credit Semester 1 and 2 Grade: 12

Prerequisite: Must have successfully passed AP Calculus AB. Signature of Calculus AB instructor required.

College credit may be earned through the Advanced Placement (AP) Examination. Summer packet completion is required.

This course is for students that successfully complete AP Calculus AB. Content includes material from a standard university second semester Calculus course and additional topics as time and student interest allow. Proof writing, problem solving, and technology use are emphasized. Units of study include: integration techniques, infinite series, differential equations, and vectors.

Statistics – Advanced Placement

MAT 541/542 1.0 credit Semester 1 and 2 Grade: 11, 12

Prerequisite: Must have successfully passed Algebra2/Trig, Integrated Math 3, or higher math course. Signature of Math instructor is required.

College credit may be earned through the Advanced Placement (AP) examination. Graphing calculator (TI-83 or 84) needed.

This course will cover statistics at the level of an introductory college course. The College Board's AP syllabus is followed. Topics covered include nature of data, descriptive statistics, probability, hypothesis testing, inference, regression, and variance. Students will work on college-preparatory skills including analytical reading, writing, and using an electronic discussion board (such as Moodle). The course will focus on making sense of statistics and their myriad of uses on a personal level. Units of study include: exploring data, planning a study, anticipating patterns, probability, and making statistical inference.

Course Name	Semesters Offered	Course Number	Grade Levels			
			09	10	11	12
Beginning Instrumental Music	Sem 1 or 2	MUS 102	x	x	x	x
Symphonic Band	Sem 1 and 2	MUS 103/104	x	x	x	x
Guitar 1	Sem 1 or 2	MUS 105	x	x	x	x
Hand Drumming	Sem 1 or 2	MUS 106	x	x	x	x
Chorale	Sem 1 and 2	MUS 111/112	x	x		
Select Women's Choir	Sem 1 and 2	MUS 121/122	x	x	x	x
Concert Orchestra 9	Sem 1 and 2	MUS 141/142	x			
Music Theory – Advanced Placement	Sem 1 or 2	MUS 151	x	x	x	x
Encore	Sem 1 and 2	MUS 181/182	x	x	x	x
Sinfonietta	Sem 1 and 2	MUS 191/192			x	x
History of American Popular Music	Sem 1 or 2	MUS 200		x	x	x
Concert Band	Sem 1 and 2	MUS 201/202		x	x	x
Mad City Swing (Women's Show Choir)	Sem 1 and 2	MUS 211/212	x	x	x	x
Symphony Orchestra 10	Sem 1 and 2	MUS 241/242		x		
Concert Choir	Sem 1 and 2	MUS 281/282		x	x	x
Symphony Orchestra 11/12	Sem 1 and 2	MUS 341/342			x	x

Beginning Instrumental Music

MUS 102 .5 credit Semester 1 or 2 Grade: 9, 10, 11, 12
No prior musical experience necessary. Meets Recommendation: FA
There is a rental fee for students who do not own an instrument.

This course is designed for students who would like to learn how to play an instrument. Instruments available include flute, oboe, clarinet, trumpet, saxophone, french horn, trombone, baritone, tuba, and percussion.

Symphonic Band

MUS 103/104 1.0 credit Semester 1 and 2 Grade: 9, 10, 11, 12
Participation in Middle School Band. Meets Recommendation: FA
Performances are required.

Symphonic Band is the freshman band at East High School. This band performs literature written for the younger wind band. Members of Symphonic Band will also participate in the Purgolder Pep Band and can choose to participate in East High Jazz and the district solo and ensemble festival. This is a preparatory class for membership in Concert Band and Sinfonietta. 10th, 11th, and 12th grade students may enroll in this course on a secondary instrument.

Guitar 1

MUS 105 .5 credit Semester 1 or 2 Grade: 9, 10, 11, 12
Meets Recommendation: FA

This class is designed for students who would like to learn how to play on acoustic guitar. A guitar will be provided but students may also bring their own acoustic guitar.

Hand Drumming

MUS 106 .5 credit Semester 1 or 2 Grade: 9, 10, 11, 12
Meets Recommendation: FA

This course examines the musical styles of hand drumming developed in Africa and the Caribbean countries, and South America. Instruments to be studied include the congas, bongos, shekere, claves, and timbales. Students will also learn the samba, bossa nova, and other unique hand drumming styles.

Chorale

MUS 111/112 1.0 credit Semester 1 and 2 Grade: 10, 11
No audition is required; Performances are required. *Meets Recommendation: FA*
Recommendation of middle school music teacher is expected.

Chorale is a choir comprised of men and women who are dedicated to developing their singing and performance skills. Freshmen are strongly encouraged to enroll in Chorale. The choir sings a variety of enjoyable, meaningful literature and performs at least one required concert per quarter. The course places an emphasis on vocal technique, breath management, music literacy, team building and the development of disciplined performance habits.

Select Women's Choir

MUS 121/122 1.0 credit Semester 1 and 2 Grade: 9, 10, 11, 12
Signature of instructor required. *Meets Recommendation: FA*
Performances are required in at least one concert per quarter.

Upper classmen ensemble; freshmen women with a strong musical background are encouraged to audition with the director. Women's Choir is a group that blends together the love and joy of music with the desire to share the beauty of singing in a team setting. This choir performs the finest SSA/SSAA choral literature available for high school treble choirs as well as popular, contemporary music. This course places an emphasis on working together cooperatively to gain a high of musicianship, vocal independence, performance technique, and music literacy. Members are also given the opportunity to participate in solo/ensemble.

Concert Orchestra 9

MUS 141/142 1.0 credit Semester 1 and 2 Grade: 9
Prerequisite: participation in Middle School Orchestra. *Meets Recommendation: FA*
Performances are required in at least one concert per quarter.

The concert orchestra is open to all 9th grade students with previous string performance experience or private lessons. The group will study music (including history, theory, technique, musicality, and performance practices) through the performance of quality literature. Emphasis will be placed on the musical and technical development of the student.

Music Theory – Advanced Placement

MUS 151 .5 credit Semester 1 or 2 Grade: 9, 10, 11, 12
Signature of instructor required. *Meets Recommendation: FA*
No prior musical experience necessary.

This AP course studies the basic concepts of theory including scales, note reading, clefs, chord, transposition, 4-part writing, formal analysis, and ear training. Computers are also used to explore the technology side of music theory.

Encore

MUS 181/182 1.0 credit Semester 1 and 2 Grade: 9, 10, 11, 12
Signature of instructor required. *Meets Recommendation: FA*
Membership by audition only; performances/competitions are required.

The East High Show choir represents the best in co-curricular activities for students. This specialized show ensemble comprises of 40 singers/dancers (20 men and 20 women). This group is open to students by AUDITION ONLY. The group is fully choreographed by a professional choreographer. Dance rehearsals are every Monday evening from 6:00-8:30 pm throughout the duration of the school year. There are uniform, dance instruction and travel fees. In addition to performing for school concerts and the Midwest show choir competitions, "ENCORE" is proud to perform for civic, service, and social organizations within our community. The "ENCORE" Show choir also competes at 3-4 major show choir competitions throughout the performance season, as well as presenting their own full-length variety show each spring. This class focuses on complete vocal independence, team building, development of stage character and personality, advanced vocal delivery, stage movement, and sophisticated choreography.

Sinfonietta

MUS 191/192 1.0 credit Semester 1 and 2 Grade: 11, 12
Audition for membership. Signature of instructor required. *Meets Recommendation: FA*
Performances are required.

Sinfonietta is an advanced band open to all 12th grade students with at least two years experience in high school band. This ensemble performs the most advanced level of music in the East High Band Department. 11th grade students may audition for membership in Sinfonietta and will be placed in the ensemble based on audition results and instrumentation needed for ensemble. Members of Sinfonietta will also participate in the Purgolder Pep Band and can choose to participate in East High Jazz and the district solo and ensemble festival.

History of American Popular Music

MUS 200 .5 credit Semester 1 or 2 Grade: 10, 11, 12
No prerequisites.

The History of American Popular Music will explore the progression of American popular music from the beginning of the 20th century to today. Students will study the cultural impact of a variety of American musical styles including jazz, folk, be-bop, rock and roll, country, rap, and hip-hop. Students will also examine the life and times of some of America's most popular composers and performers and how they influenced or continue to influence American culture.

Concert Band

MUS 201/202 1.0 credit Semester 1 and 2 Grade: 10, 11, 12
Signature of instructor required. *Meets Recommendation: FA*
Performances are required.

Concert Band is open to all 10th and 11th grade students with at least one year of experience in high school band. This ensemble performs the best wind literature available for the large high school band. Members of Concert Band will also participate in the Purgolder Pep Band and can choose to participate in East High Jazz and the district solo and ensemble festival.

Mad City Swing (Women's Show Choir)

MUS 211/212 1.0 credit Semester 1 and 2 Grade: 9, 10, 11, 12
Signature of instructor required. *Meets Recommendation: FA*
Performances are required and Mad City Swing performs in at least one required concert per quarter. A minimal purchase of dance shoes will be necessary.

Mad City Swing is a specialized, entertainment ensemble comprised of 30 female singers/dancers. This group is professionally choreographed and students should have a love for both singing and dancing. Music performed in this group is of a specific genre-Broadway, contemporary popular music, and jazz standards. The group will produce three or four staged/choreographed show sets a year focusing on vocal tone/production, delivery, microphone technique, stage movement, team building, dance, and cleaning and polishing each show set.

Symphony Orchestra 10

MUS 241/242 1.0 credit Semester 1 and 2 Grade: 10
Previous string performance experience. *Meets Recommendation: FA*
The Symphony Orchestra will perform an average of one concert per quarter.

The Symphony Orchestra is open to all 10th grade students with previous string performance experience. This group will explore more difficult orchestral literature (including history, theory, technique, and musicality, performance practices, and chamber music), placing an emphasis on the musical and technical independence of each member of the ensemble.

Concert Choir

MUS 281/282 1.0 credit Semester 1 and 2 Grade: 10, 11, 12
Signature of instructor required. *Meets Recommendation: FA*

Open to students by audition only. Performances are required in 1-2 concerts per quarter including Big 8 Choral Festival, combined concert with East High orchestras, solo/ensemble contest (Madrigal, Men's Ensemble, triple trio), and elementary and middle school tours.

This advance choral ensemble is open to men and women (typically 20 men and 25 women) who have already attained a high level of vocal maturity and music literacy. This group is aimed at students that love music and are passionate about singing. Concert Choir performs choral literature of the highest quality, which includes representation of musical periods, styles, and foreign languages. This course places an emphasis on performance finesse, the study of diverse choral literature including major works, defining sections, and vocal independence. (Men's ensemble is a part of Concert Choir).

Symphony Orchestra 11/12

MUS 341/342

1.0 credit

Semester 1 and 2

Grade: 11, 12

Previous string performance experience.

Meets Recommendation: FA

The symphony orchestra will perform an average of one concert per quarter.

The Symphony Orchestra is open to all 11th and 12th grade students with previous string performance experience. This group will explore more difficult orchestral literature (including history, theory, technique, and musicality, performance practices, and chamber music), placing an emphasis on the musical and technical independence of each member of the ensemble.

Course Name	Semesters Offered	Course Number	Grade Levels			
			09	10	11	12
Physical Education 9	Sem 1 or 2	PHY 100	x			
Health Education 9	Sem 1 or 2	PHY 120	x			
Specialized Physical Education	Sem 1 or 2	PHY 140	x	x	x	x
Physical Education 10	Sem 1 or 2	PHY 210		x		
Weight Training/Conditioning	Sem 1 or 2	PHY 301/302			x	x
Advanced Team Sports – Girls	Sem 1 or 2	PHY 303/304			x	x
Advanced Team Sports – Boys	Sem 1 or 2	PHY 311/312			x	x
Individual/Dual Sports	Sem 1 or 2	PHY 313/314			x	x
Social Dance	Sem 1 or 2	PHY 315/316			x	x
Ropes Climbing Course	Sem 1 or 2	PHY 321/322			x	x
Outdoor Pursuits	Sem 1	PHY 324			x	x
Swimming/Water Aerobics	Sem 1 or 2	PHY 325/326			x	x

Physical Education 9

PHY 100 .5 credit Semester 1 or 2 Grade: 9

No prerequisites. Required of all 9th grade students.

Physical Education at East High School is designed to give students fitness, knowledge, and game experiences within a comprehensive series of offerings. Units of study include: fitness, swimming, volleyball, basketball, project adventure cooperative games, soccer, floor hockey, ultimate Frisbee, and games.

Health Education 9

PHY 120 .5 credit Semester 1 or 2 Grade: 9

No prerequisites. Required of all 9th grade students.

The health course is designed to improve knowledge and attitudes in ways that facilitate decision making and positive health behaviors. Units of study include: physical health, community and environmental health, mental health, nutrition, personal safety and emergency care, human sexuality, and alcohol and other drugs.

Specialized Physical Education

PHY 140 .5 credit Semester 1 or 2 Grade: 9, 10, 11, 12

No prerequisites.

Signature of case manager required. Participation must be cleared through physician and instructor.

This course is designed for students who due to medical or educational reasons need specialized support to participate in physical education activities.

Physical Education 10

PHY 210 .5 credit Semester 1 or 2 Grade: 10

No prerequisites. Required of all 10th grade students.

This course is designed to give students opportunities to enhance fitness and skills in a variety of sport settings. Units of study include: tennis, fitness games, volleyball, basketball, and badminton.

Weight Training & Conditioning

PHY 301/302 .5 credit Semester 1 or 2 Grade: 11, 12

No prerequisites.

This course is designed to give students instruction about strength training and conditioning principles. Students will create their own workout programs.

Advanced Team & Individual Sports – Girls

PHY 303/304 .5 credit Semester 1 or 2 Grade: 11, 12

No prerequisites.

This class provides students with activities to enhance fitness and skills in a variety of team and individual sport offerings. Units of study include: ultimate Frisbee, flag football, soccer, volleyball, basketball, softball, cooperative activities, games, floor hockey, team handball, badminton, tennis, fitness, and other sports activities.

Advanced Team Sports – Boys

PHY 311/312 .5 credit Semester 1 or 2 Grade: 11, 12

No prerequisites.

This class provides students with activities to enhance fitness and skills in a variety of team sport offerings. Units of study include: touch football, volleyball, basketball, softball.

Individual/Dual Team Sports

PHY 313/314 .5 credit Semester 1 or 2 Grade: 11, 12

No prerequisites.

This course is offered for students interested in participating in lifetime sport activities. Units of study include: tennis, archery, badminton, pickle ball, ping pong, darts, air hockey, bowling, horseshoes, bocce ball, foosball, and SCUBA (1st semester). There will be a \$5 equipment fee for this class.

Social Dance

PHY 315/316 .5 credit Semester 1 or 2 Grade: 11, 12

No prerequisites.

This course is designed to provide the beginning social dance student with skills in numerous varieties of dance. These varieties include: fox trot, waltz, swing, polka, cha cha, tango, rumba, square and folk dance, latin dances, and country line dances. Other wellness activities and dance movements will be explored. Units of study will include basic dance steps, position and formations, dance terminology, and learn about other cultures through dance. Develop a better appreciation for dance. Increase self-esteem.

Ropes Course Climbing

PHY 321/322 .5 credit Semester 1 or 2 Grade: 11, 12

No prerequisites. Additional fees for textbooks and materials are required.

This class takes advantage of the ropes course in our field house. It is intended to provide an approach to physical education based on taking safe physical risks, using a variety of problem-solving techniques, and thereby achieving specified objectives that are determined by each class of students and their instructor. You will learn belaying skills and participate in the required climbing activities. As you overcome the challenges of these courses you have fun while you learn about yourself and others, and grow physically, mentally, and emotionally! There is a \$35 fee to pay for equipment and field trips.

Outdoor Pursuits

PHY 324 .5 credit Semester 1 Grade: 11, 12

No prerequisites.

Attendance and active participation is required at all class meetings. Swimming is required for this course.

This is a 1st semester course offered to juniors and seniors which explores the safety, skills, knowledge, and organization needed to enjoy outdoor and recreational activities. The following activities can be offered during the course: swimming, snorkeling, SCUBA diving, canoeing, fishing, hunting, camping, and hiking. The emphasis is on physical participation and the willingness to try new things. Field trips and some written tests are included in this course. Learn all about the great outdoors!

Swimming/Water Aerobics

PHY 325/326 .5 credit Semester 1 or 2 Grade: 11, 12

No prerequisites.

The course is designed for non-swimmers, beginning and intermediate swimmers to provide instruction in aquatic and water safety skills and activities. Units of study include stroke development and endurance, water games, water aerobics, and other water activities.

Course Name	Semesters Offered	Course Number	Grade Levels			
			09	10	11	12
Read/Study Strategies	Sem 1 or 2	RDG 100	x			
READ 50 – 1	Sem 1 or 2	RDG 151/152	x	x		
READ 50 – 2	Sem 1 or 2	RDG 251/252		x		
Speed Read/College Study	Sem 1 or 2	RDG 300			x	x
ACT/SAT Test Taking	Sem 1 or 2	RDG 302			x	x

Read/Study Strategies

RDG 100 .5 credit Semester 1 or 2 Grade: 9

This class is appropriate for average readers to struggling students who are committed to academic improvement. Students qualifying for READ 180 should not enroll in this course.

This course offers students the opportunity to increase high school academic success through exploration of successful strategies for learning in each of their classes. Students will improve general reading and study skills through intensive work with the following: time management; organization; memory building; vocabulary study; reading comprehension; note and test taking strategies. First quarter will focus on explicit skill instruction and application. Second quarter will evolve into a guided study atmosphere with students applying strategies to their real- world high school demands.

Read 50 – 1

RDG 151/152 1.0 credit Semester 1 or 2 Grade: 9, 10

Screening testing required (SRI testing required). Students who are two or more years behind in reading should enroll. DPI 3 minimum.

Students in this course will strengthen reading fluency and comprehension competencies through interactive technology and small group instruction. Explicit teaching of reading strategies applicable to high school material is a main emphasis. This course is Units of study includes: Comprehension, vocabulary, spelling, writing in narrative and expository texts, as well as literary analysis.

Read 50 – 2

RDG 251/252 1.0 credit Semester 1 or 2 Grade: 10

Completion of RDG151/152. DPI 3 minimum.

Students in this course will strengthen reading fluency and comprehension competencies through interactive technology and small group instruction. Explicit teaching of reading strategies applicable to high school material is a main emphasis. This course is Units of study includes: Comprehension, vocabulary, spelling, writing in narrative and expository texts, as well as literary analysis.

Speed Read/College Study

RDG 300 .5 credit Semester 1 or 2 Grade: 11, 12

Speed Reading is a college prep course designed for skilled readers who want that extra “edge” in college. Students learn effective techniques to increase their reading speed and efficiency, enhance comprehension, and reduce study time. Students experiment with college study strategies for memory, vocabulary, test taking, note taking, research and essay writing, and critical reading. Units of study include: comprehension, study strategies including time-management, motivation, and academic integrity.

ACT/SAT Test Taking

RDG 302 .5 credit Semester 1 or 2 Grade: 11, 12

This course designed for college bound students who have had difficulty taking ACT or SAT College board exams will focus on test taking and problem solving strategies. Students will improve their vocabulary, math problem solving, critical reading, and English usage skills. Units of study include: test taking, critical reading, comprehension, problem solving, vocabulary, and note taking.

Biology

SCI 111/112 1.0 credit Semester 1 and 2 Grade: 9, 10

No prerequisites.

Basic biological themes are developed and students are acquainted with the unifying patterns as well as the diversities found in the world of life. Units of study include: cells, macromolecules, living systems and processes, genetics, evolution, and ecology.

Biology Honors (formerly known as TAG Biology)

SCI 131/132 1.0 credit Semester 1 and 2 Grade: 9

Prerequisite: Students must complete Honors committee application process.

Biology Honors is designed for creative, success-oriented students who enjoy challenges and have good study habits. The curriculum focuses on investigation and inquiry in concert with state standards. Critical observation, experimentation and active participation in research teams constitute the structural foundation of the course. Student success will be assessed through a wide variety of teacher directed exams along with laboratory reports, research papers, group interactions and one-on-one student-teacher dialogue. **(See page 7 for Honors information.)**

Limnology & Oceanography

SCI 200 .5 credit Semester 1 or 2 Grade: 10, 11, 12

Prerequisite: Successful completion of Chemistry or Physical Science-Chemistry

This one semester lab-based course examines properties of the world's oceans and lakes. Units of study include: properties of water, currents, salinity, temperature and oxygen distribution, waves, tides, stratifications, types of living organisms found in water environments, adaptations of those organisms for survival, and distribution.

Geology (formerly known as Earth Science 1)

SCI 210 .5 credit Semester 1 or 2 Grade: 10, 11, 12

No prerequisites.

This one semester lab-based course focuses on the study of the materials and processes of Earth (*Formerly Earth Science I*). Units of study include: rocks and minerals, structure of the Earth, plate tectonics, earthquakes, volcanoes, mountain building, rocks, geologic time, and fossils.

Meteorology

SCI 212 .5 credit Semester 1 or 2 Grade: 10, 11, 12

No prerequisites.

This one semester lab-based course introduces the atmospheric physical processes important to understanding climate, weather, and forecasting for the earth's surface. Students will observe, record, analyze, and discuss meteorological phenomena. Students will additionally learn of sources for weather data, weather analysis tools, and important scientific and social application of meteorological information. (Formerly Earth Science II).

Physical Science – Chemistry

SCI 213/214 .5 credit Semester 1 or 2 Grade: 10, 11, 12

No prerequisites.

Physical Science is a laboratory-oriented course in chemistry. Topics include acids and bases, atomic theory and organic chemistry. The course is designed to prepare students for a more rigorous chemistry course. (Either or both Semesters of Physical Science may be elected, separately, or in either order. First Semester is not a requirement for second). Units of study include: metric measurements and conversions, atomic structure, chemical bonds, chemical formula writing, chemical equation writing, mole calculations, mass calculations, formula writing for hydrocarbons, and combustion of hydrocarbons.

Physical Science – Physics

SCI 215/216 .5 credit Semester 1 or 2 Grade: 10, 11, 12

No prerequisites.

This semester of Physical Science is a laboratory oriented course emphasizing the topics of heat, light, sound and motion. It is designed for those students who do not wish a more specialized course and/or students who wish a course to prepare them for a more rigorous physics course. Units of study include: heat, light, sound, and motion.

Chemistry

SCI 221/222 1.0 credit Semester 1 and 2 Grade: 10, 11, 12

Prerequisite: Successful completion of 2 semesters of high school Mathematics.

A laboratory oriented course where fundamental chemical knowledge, principles, and concepts are developed from experiments, observations, and data. Emphasis is placed on understanding rather than memorization. Chemistry is encouraged for 10th grade students interested in science. Students who have not passed at least one year of high school Mathematics will have difficulty succeeding in this class. Units of study include: atomic structure and reactions, mass and energy relationships in chemical reactions, behavior of gases, liquids and solids, periodic arrangement of elements, electron configurations in atoms, rates of chemical reactions, equilibrium, reactions of acids and bases, and the nature of chemical bonding.

Chemistry Honors (formerly known as TAG Chemistry)

SCI 231/232 1.0 credit Semester 1 and 2 Grade: 10

Prerequisite: Successful completion of 2 semesters of high school Mathematics.

Students eligible for and desiring talented and gifted status are encouraged to enroll in Honors Chemistry which is offered concurrently with general Chemistry. Honors students will be challenged and evaluated on their ability to utilize different strategies in learning chemistry. Units of study include: atomic structure and reactions, mass and energy relationships in chemical reactions, behavior of gases, liquids and solids, periodic arrangement of elements, electron configurations in atoms, rates of chemical reactions, equilibrium, reactions of acids and bases, and the nature of chemical bonding. **(See page 7 for Honors information.)**

Limnology and Oceanography Honors

SCI 250 .5 credit Semester 1 or 2 Grade: 10, 11, 12

Prerequisite: Successful completion of Chemistry or Physical Science-Chemistry

Honors students will be embedded in a regular Limnology & Oceanography class. This is a one semester, lab-based class designed for students interested in a rigorous course examining the science of fresh and ocean water. Units of study include: biological organisms and ecology of fresh and marine systems, chemical and physical properties of water, water in the landscape, and the role water and water systems play in current social and political events. **(See page 7 for Honors information.)**

Geology Honors

SCI 260 .5 credit Semester 1 or 2 Grade: 10, 11, 12

Note: Students must sign a learning contract and apply critical thinking skills on rigorous tests and out of class assignments.

Honors students will be embedded in a regular Geology class. This one semester lab-based course is designed for students interested in a rigorous course examining the concepts of geology. Units of study include: structure and composition of the earth, forces that shape the earth and earth's features, geologic time, geologic evolution of the earth, fossils and fossil record, volcanoes, earthquakes, mountains and glaciers. **(See page 7 for Honors information.)**

Science Internship in Science Research

SCI 297 .75 credit Summer Grade: 10, 11

Application and signature of instructor required.

Completing the course also earns 1.0 UW-Madison credit paid for by the district and 2.0 more available at the student's expense. Application orientation starts in December.

The High School Science Research Internship Program is a partnership between the Madison Metropolitan School District (MMSD) and the University of Wisconsin-Madison. Sixteen students from MMSD are partnered with research professors at UW-Madison each summer. The goal of the program is to provide an authentic science research experience for the intern. Each intern develops and researches a question of their own, designs protocols

for data collection, and collects data over the course of the summer under the guidance of a professor, degree candidate, postdoctoral candidate or research associate. As the summer ends and during the fall Semester, interns write a formal research paper and design a scientific poster. The concluding event of the program is a scientific poster session, which allows the interns to communicate their findings to a larger audience and also to celebrate the completion of their internship with associates.

Human Anatomy and Physiology

SCI 301/302 1.0 credit Semester 1 or 2 Grade: 12

Prerequisite: Successful completion of both semesters of Chemistry.

11th grade students must be accepted and enrolled in the Health Care Youth Apprenticeship Program.

A study of the function and structure (both large scale and microscopic) of the human body. Scientific principles will be applied to gain an understanding of the why's, where's, and how's of the body. A course for students interested in science, especially those considering going on in a medical or health related field. Units of study include: histology, skeletal system, muscle physiology, nervous system, central nervous system, circulatory system, blood and the immune system, digestive system, and a cat dissection. The endocrine system will be covered if time permits.

Physics

SCI 311/312 1.0 credit Semester 1 and 2 Grade: 11, 12

Prerequisite: Successful completion of or enrolled in Algebra2/Trigonometry or Integrated 3 or higher Math course.

A study of the basic concepts of time, space, matter, motion, momentum, energy, light, magnetism, electricity, and waves. In physics the student is expected to inquire about their physical world through reason, observation, and experimentation. The student will also develop skills at expressing and analyzing experimental results. Some emphasis is also given to the historical, philosophical, and aesthetic aspects of the physical universe. Units of study include: motion, forces, momentum, energy, optics, electricity, magnetism, waves, sound, and light.

Physics Honors (formerly known as TAG Physics)

SCI 331/332 1.0 credit Semester 1 and 2 Grade: 11

Must be enrolled in Algebra 2/Trigonometry or Integrated 3 or higher Math course.

Honors Physics is offered concurrently with general physics. In addition to the topics and emphasis given in "regular" physics, the Honors student will be given opportunities to synthesize learning, extend physics ideas to other areas of thought, apply higher levels of math and analysis, and develop their own labs. The Honors student should be willing to work independently, accept a challenging "discovery based" learning environment, and be willing to produce a high-quality technical writing product. Honors Physics is highly recommended for students planning to enroll in AP Physics the following year. Units of study include: motion, forces, momentum, energy, optics, electricity, magnetism, waves, sound, and light. **(See page 7 for Honors information.)**

Advanced Biology

SCI341/342 1.0 credit Semester 1 or 2 Grade: 11, 12

Prerequisite: Successful completion of both semesters of Chemistry and Biology.

This is a rigorous college preparatory course emphasizing biological research and analysis. The course briefly reviews concepts from Biology and moves on to pursue other areas in more depth. Students who wish to pursue independent interests in biology are encouraged to enroll. Units of study include: ecology, biotechnology, genetics, evolution, current research, and environmental issues.

Astrophysics

SCI 350 .5 credit Semester 1 or 2 Grade: 10, 11, 12

Prerequisite: Successful completion of Geometry or Integrated Mathematics 2, or signature of instructor.

Completion of at least one semester of a physical science (SCI 213/214/215/216/221/222/231/311/312).

Some evening observing times at school throughout semester.

This semester course surveys the basic topics and concepts of astronomy. Concepts are developed with a historical perspective, and discovery through observation, hypothesis, and quantitative analysis is emphasized. Laboratory activities include computer simulations, in-person and remote observing, and use of the MMSD Planetarium. Units

of study include: celestial motions, solar system & origins, gravitation & orbits, light, stellar evolution, cosmic distances, and the origin and fate of the Universe.

Advanced Chemistry

SCI 420 .5 credit Semester 2 Grade: 12

Prerequisite: Successful completion of both semesters of Chemistry.

Advanced chemistry is a rigorous course offered as part of our sequences for the serious science student. It is designed to focus on the solving of freshman college chemistry problems. It includes integral experiments. Units of study include: atomic structure and reactions, mass and energy relationships in chemical reactions, behavior of gases, liquids and solids, periodic arrangement of elements, electron configurations in atoms, rates of chemical reactions, equilibrium, reactions of acids and bases, and the nature of chemical bonding (same as Chemistry, but in greater breadth and depth).

Advanced Physics

SCI 422 .5 credit Semester 2 Grade: 12

Prerequisite: Successful completion of Physics.

Offered Fall Semester

A continuation of the skills and techniques learned in Introductory Physics with an emphasis on "Modern" topics. This course is strongly recommended for students continuing in the physical sciences/technology, or engineering. Units of study include: angular momentum, thermodynamics, electrical circuits, particle physics, special relativity, and quantum theory.

Physics C: Mechanics – Advanced Placement

SCI 461 .5 credit Semester 1 Grade: 12

Prerequisite: successful completion of both semesters of Physics, both semesters of Calculus AB (or concurrent enrollment in Calculus AB).

Offered Spring Semester

This course builds on the Physics or TAG Physics classes and the Mathematics Department's Calculus program to complete the preparation of students to take the calculus-based Physics C Mechanics Advanced Placement test. Units of study include: rotational motion, energy, momentum, simple harmonic motion, two-dimensional motion, gravitation, and advanced problem solving in kinematics and dynamics.

Project Lead the Way (PLTW)

Project Lead the Way is a non-profit organization focused on introducing and preparing high school students for engineering and technical careers of the future. PLTW forms partnerships with public schools, higher education institutions and the private sector to increase opportunities for students in engineering and technical fields. Particularly, PLTW provides a high rigor, project-based curriculum meeting national science and math standards, professional development for teachers and guidance counselors and a comprehensive national support network. PLTW courses are accessible to college-bound students as well as students who may not have thought of college and a career in a technical field. The courses are based on problem-solving, teamwork, communication and leadership as the students also build the math, science and technology skills to prepare for and succeed in tomorrow's careers.

Project Lead the Way is a statewide initiative involving the Department of Public Instruction, the Department of Workforce Development, Wisconsin's Technical College System, university partners, the private sector, and public and private schools. Milwaukee School of Engineering is Wisconsin's PLTW university affiliate which provides teacher and counselor training as well as coordinates statewide efforts to provide PLTW students with college credit for course completion meeting specific standards. The Biomedical Sciences programs are a new initiative for Project Lead the Way in what will be a four year course sequence. The four courses in the sequence are: Principles of the Biomedical Sciences, Human Body Systems, Medical Interventions, Biomedical Innovation. The Global Academy will offer the first two courses in the sequence in school year 2010-11 and all four courses in 2011-12. Post-secondary credit opportunities are currently in the developmental stage with area colleges for the Biomedical Sciences courses and will most likely be in place by the fall of 2010 when the Global Academy will offer

two courses in the four year course sequence. More information on the Biomedical Sciences and Project Lead the Way can be found at this website: www.pltw.org

Note: The following courses are offered as part of the science department but may not meet the science course graduation requirements. Each school district will determine how the Biomedical Science courses are to be counted toward fulfilling graduation requirements.

PLTW: Principles of the Biomedical Sciences (BSE)

1.0 credit

Semester 1 or 2

Grade: 11, 12

Prerequisite: Completion of high school science requirements in grades 9 and 10 or consent of high school administrator.

This course provides an introduction to the biomedical sciences through exciting “hands-on” projects and problems. Student work involves the study of human medicine, research processes and an introduction to bio-informatics. Students investigate the human body systems and various health conditions including heart disease, diabetes, sickle-cell disease, hypercholesterolemia, and infectious diseases. A theme through the course is to determine the factors that led to the death of a fictional person. After determining the factors responsible for the death, the students investigate lifestyle choices and medical treatments that might have prolonged the person’s life. Key biological concepts including: homeostasis, metabolism, inheritance of traits, feedback systems, and defense against disease are embedded in the curriculum. Engineering principles including: the design process, feedback loops, fluid dynamics, and the relationship of structure to function are incorporated in the curriculum where appropriate.

PLTW: Human Body Systems (HBS)

1.0 credit

Semester 2

Grade: 11, 12

Prerequisite: Completion of high school science requirements in grades 9 and 10 or consent of high school administrator.

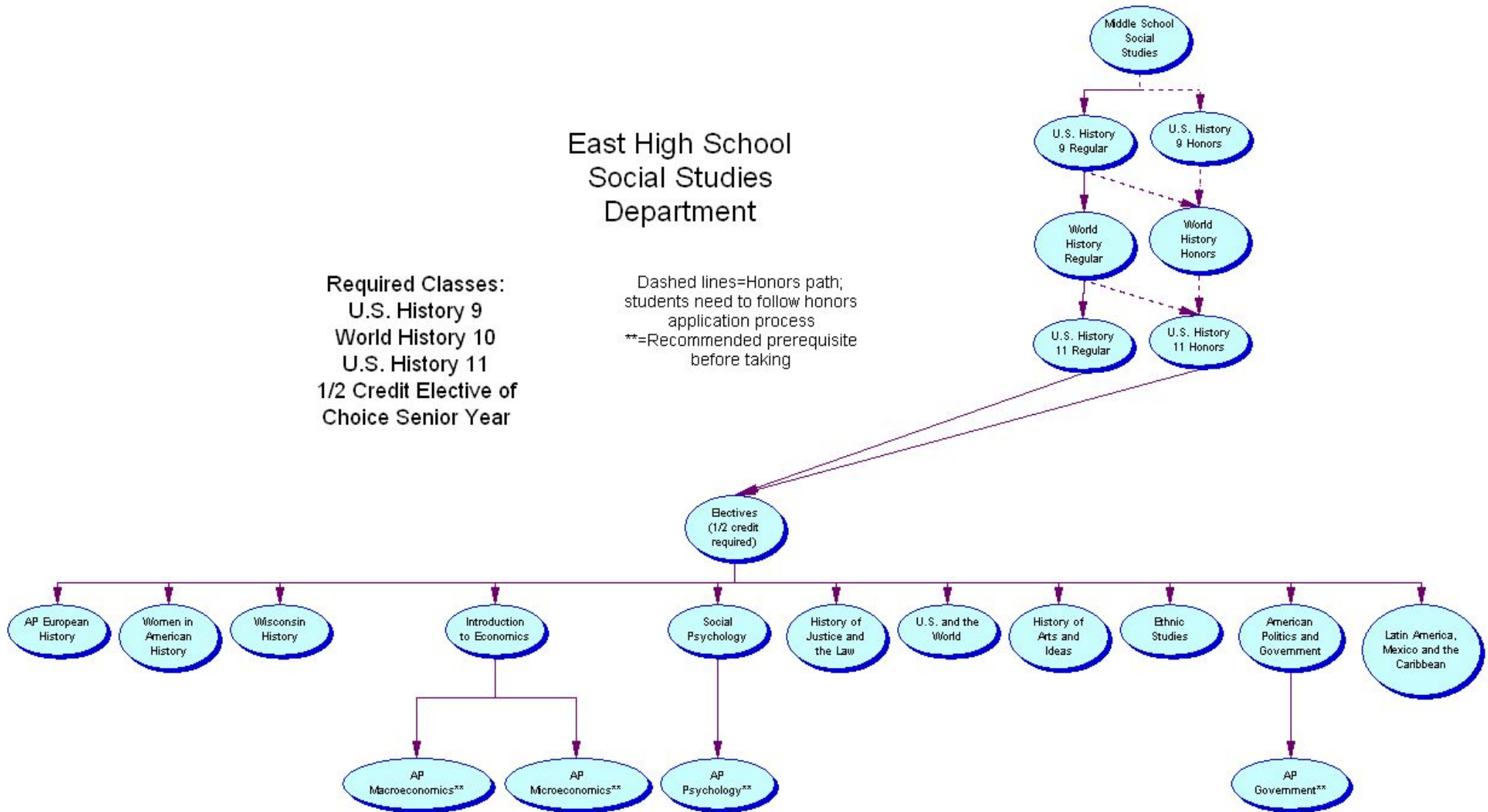
Students will examine the processes, structures, and interactions of the human body systems to learn how they work together to maintain homeostasis (internal balance) and good health. Using real-world cases, students take the role of biomedical professionals and work together to solve medical mysteries. Hands-on projects include designing experiments, investigating the structures and functions of body systems, and using data acquisition software to monitor body functions such as muscle movement, reflex and voluntary actions, and respiratory operations. Important concepts covered in the course are communication, transport of substances, locomotion, metabolic processes, defense, and protection.

Course Name	Semesters Offered	Course Number	Grade Levels			
			09	10	11	12
US History 9	Sem 1 and 2	SOC 111/112	x			
US History 9 Honors	Sem 1 and 2	SOC 131/132	x			
Ethnic Studies	Sem 1 or 2	SOC 200		x	x	x
Social Psychology	Sem 1 or 2	SOC 210		x	x	x
World History 10	Sem 1 and 2	SOC 211/212		x		
American Politics and Government	Sem 1 or 2	SOC 220		x	x	x
Introduction to Economics	Sem 1 or 2	SOC 230		x	x	x
World History Honors	Sem 1 and 2	SOC 231/232		x		
History of Arts and Ideas	Sem 1 or 2	SOC 300			x	x
US History Since 1950	Sem 1 or 2	SOC 310			x	
Wisconsin History	Sem 1 or 2	SOC 320			x	x
US History Since 1950 Honors	Sem 1 or 2	SOC 330			x	
History of Justice and Law	Sem 1 or 2	SOC 340			x	x
Macroeconomics – Advanced Placement	Sem 1 or 2	SOC 361			x	x
Microeconomics – Advanced Placement	Sem 1 or 2	SOC 362			x	x
Psychology – Advanced Placement	Sem 1 or 2	SOC 364			x	x
American Politics & Government – Advanced Placement	Sem 1 or 2	SOC 366			x	x
European History – Advanced Placement	Sem 1 and 2	SOC 367/368			x	x
Women in American History	Sem 1 or 2	SOC 380			x	x
Latin America, Mexico, and the Caribbean	Sem 1 or 2	SOC 370			x	x
US/World: Survey of Issues	Sem 1 or 2	SOC 390			x	x

East High School
Social Studies
Department

Required Classes:
 U.S. History 9
 World History 10
 U.S. History 11
 1/2 Credit Elective of
 Choice Senior Year

Dashed lines=Honors path;
 students need to follow honors
 application process
 **=Recommended prerequisite
 before taking



U.S. History 9

SOC 111/112 1.0 credit Semester 1 and 2 Grade: 9

No prerequisites.

This course is a study of American History from Reconstruction to 1950. Economic, political, and social developments are explored. Civics, civil rights, and the position of the U.S. in world affairs are emphasized. There are various projects and papers required in this course. Writing and research skills are emphasized in the curriculum. Students are expected to participate in class discussions, read materials, and complete homework and projects outside of class. Units of study include: Reconstruction, Westward Expansion, Immigration-Urbanization-Industrialization, Populism, Women's Suffrage, The Progressive Era, American Imperialism & the Spanish American War, World War I, The Roaring 20s, the Great Depression & New Deal, and World War II.

US History 9 Honors (Formerly known as TAG US History 9)

SOC 131/132 1.0 credit Semester 1 and 2 Grade: 9

Prerequisite: Students must complete Honors committee application process.

A study of U.S. History from Reconstruction to 1950. U.S. History 9 Honors is designed for inquisitive, self-motivated students who have demonstrated high academic achievement, creativity and disciplined study habits and who exhibit a compelling interest in U.S. History beyond the classroom. This section of U.S. History will use teaching strategies that emphasize the development of individual intellectual thought, writing and discussion skills. Large group and small group discussions, college level primary and secondary readings, document based questions, journal writing and research based projects will be incorporated. Units of Study include Reconstruction, Post Civil War Westward Expansion, Immigration-Urbanization-Industrialization, the Populist Movement, The Women's Suffrage Movement, The Progressive Era, American Imperialism and the Spanish American War, World War I, The Roaring Twenties, The Great Depression & New Deal, and World War II. **(See page 7 for Honors information.)**

Ethnic Studies

SOC 200 .5 credit Semester 1 or 2 Grade: 10, 11, 12

Prerequisite: 10th grade students need signature of instructor.

The course content will be presented through readings, films, and other media. Students are expected to engage in group discussions, work in small groups for projects and be ready to present information before the class. This course is also designed to help you examine your own common sense conceptions of ethnicity. This course is designed to understand and learn about the many diverse groups in the United States. A major goal of the course is to help master key concepts which will help them understand an ethnically-diverse society. Therefore, the focus will help students to master key concepts that highlight major themes in the experience of racial, ethnic, and cultural groups in the United States. A range of themes and ethnic groups will be included in units to illustrate both the differences and similarities in their histories, experiences and cultures.

Social Psychology

SOC 210 .5 credit Semester 1 or 2 Grade: 10, 11, 12

No prerequisites.

In this course you will learn more about why you and others behave as you do. Why you are both different and similar to your classmates? Together we will explore your values, habits, and fears. Who's normal? What's normal? What's not? You will have the chance to participate through discussion, debate, guest speakers' introspection, and critical analysis. Units of study include: the brain and body, motivation, emotion and stress, dream analysis and states of consciousness, behavior disorders, gender difference, and self-help therapies.

World History 10

SOC 211/212 1.0 credit Semester 1 and 2 Grade: 10

Prerequisite: United States History or US History Honors.

Students will become aware of the rich heritage and contributions of the entire world and its historic interdependence. The focus will be on the diversity, the history and the culture of the world's people. Students will examine the rise and fall of nations and empires as well as the diffusion of ideas. Various semester projects and research papers are required in this course. Students are expected to participate in class discussions, read, complete homework and research projects outside of class. Units of study include: Africa, Asia, Europe, Indian Subcontinent, the Americas, and the Middle East.

American Politics and Government

SOC 220 .5 credit Semester 1 or 2 Grade: 10, 11, 12

Prerequisite: United States History or alternative elective.

American Politics and Government students will learn how to think carefully and critically about important issues in American Government and politics. Students will focus on the institution of American Government and how it affects their everyday lives. They will also have an opportunity to explore the American political process by looking at current issues in society. Units of study include: writing position papers, participating in a mock trial and election, preparing and presenting speeches, and participating in the political process.

Introduction to Economics

SOC 230 .5 credit Semester 1 or 2 Grade: 10, 11, 12

No prerequisites.

The student who selects this class should feel comfortable using graphs, performing basic mathematical functions, and reading on a daily basis. Students who pass this course will not only satisfy most of the state Economics standards, but will also be highly prepared to take Advanced Placement Economics or a college-economics course. This course is an introduction to the field of Economics. Students will address and master the principles of economics and various issues such as personal finance, the laws of demand and supply, public policy decisions, labor and management relations, and investment strategies. Units of study include: an introduction to economics, elements of microeconomics, free enterprise at work, elements of macroeconomics, government and the economy, international economics, and debates in economics.

World History Honors (Formerly known as World History TAG)

SOC 231/232 1.0 credit Semester 1 and 2 Grade: 10

*Signature of US History instructor required.**Prerequisite: United States History or US History Honors.*

World History Honors is a study of the rich heritage and interdependence of various regions of the world. Topics will include social, political, intellectual, and religious history. The Honors section of World History is designed for self-motivated students who have demonstrated high academic achievement, creativity, disciplined study habits, and who exhibit a compelling interest in World History beyond the classroom. This class will use teaching strategies that emphasize the development of individual intellectual thought, writing and discussion skills, will incorporate large group and small group discussion, more difficult primary and secondary readings, document based questions, journal writing, and research based projects. Units of study include: Africa, Asia, Europe, Indian Subcontinent, the Americas, and the Middle East. **(See page 7 for Honors information.)**

History of Arts and Ideas

SOC 300 .5 credit Semester 1 or 2 Grade: 11, 12

No prerequisites. Previous study of World History highly recommended.

This is an advanced history of the architecture, philosophy, drama, painting, sculpture, poetry, literature, and music of Europe from ancient to modern time. Students should be open-minded and ready for mature and in-depth discussion and reflection of often controversial works and points of view.

U.S. History Since 1950

SOC 310 .5 credit Semester 1 or 2 Grade: 11

Prerequisite: United States History 9, World History 10 or alternative elective.

This course covers social, political, and economic history from 1950s to the present. There are various writing and research projects required in this course. Students are expected to participate in class discussions, read, and complete homework and research projects outside of class. Units of study include: role of the U.S. in post World War II era, Civil Rights movement, the culture of the 1960s, the Vietnam War, and the Watergate Scandal.

Wisconsin History

SOC 320 .5 credit Semester 1 or 2 Grade: 11, 12

*No prerequisites.**Students are required to write the essay for National History Day, but are not required to enter their essays to pass.*

This course will encourage students to develop a greater understanding of, and participate in, the communities in which they live. At least one individual field experience, one class field trip, and participation in writing the essay for the National History Day is required to pass. Units of study include: history of Wisconsin from the glacial period to the present. We will examine the First Nation cultures from the Paleolithic period through the present, including treaty rights, European settlement from the fur trade through statehood, and past to present immigration. Finally, we will look at present Wisconsin issues including the current political structure of the state.

U.S. History Since 1950 Honors (formerly known as U.S. History Since 1950 TAG)

SOC 330 .5 credit Semester 1 or 2 Grade: 11

No prerequisites.

This course provides a study of the political, economic, and social history of the United States from the end of WWII to the present. Students will be required to be self-motivated and exhibit a compelling interest in contemporary U.S. history. This section will emphasize U.S. foreign policy and reaction to Communism, as well as domestic issues, economic issues, and historiography. Students should be prepared for self-guided readings (primary and secondary), document-based questions, papers within each unit on the readings and class discussion, debate topics that are relevant to the units with evidence to support their arguments, scholarly presentations, and finally, essay and objective exams. Units of study include: Cold War Era, Civil Rights Era, Korea and Vietnam Wars, Watergate, Administrations from Ford to G.W. Bush, Fall of Communism, and contemporary issues. **(See page 7 for Honors information.)**

History of Justice and Law

SOC 340 .5 credit Semester 1 or 2 Grade: 11, 12

No prerequisites.

Students should have background knowledge of the constitution and an interest in learning about the history and current issues regarding the law. Students are expected to engage in large group discussions, as well as work in small groups to complete assignments and projects.

This course is designed to give students the ability to analyze issues surrounding the law. The course will place an emphasis on selected U.S. Supreme Court cases and their application today. Students will deal with issues that surround the law including the justice and fairness of the judicial system. A primary goal of the course is for students to have a deep understanding of their rights and responsibilities in society. Units of study include: student rights, the 4th Amendment, the culture of prisons, the 2nd Amendment, Presidential power in times of conflict, and the rights and expectation of being 18.

Macroeconomics – Advanced Placement

SOC 361 .5 credit Semester 1 or 2 Grade: 11, 12

Prerequisite: C or better grade in Algebra; B or better in English. Signature of instructor is required.

This class helps prepare students to pass the Advanced Placement test in macroeconomics in May.

This is a fast-paced, intensive course designed to help the student see how and why public policy is made in economic terms. Students will learn about the trade-off between inflation and unemployment, how fiscal policy is conducted, the structure of the Federal Reserve, how monetary policy is conducted, and how the American economy interacts with the rest of the world. Units of study include: basic economic principles, measurement of economic performance, aggregate supply and economic growth, aggregate demand and inflation, macroeconomic policies and the global economy, and personal finance.

Microeconomics – Advanced Placement

SOC 362 .5 credit Semester 1 or 2 Grade: 11, 12

Prerequisite: C or better grade in Algebra; B or better in English; signature of instructor.

This class helps prepare students to pass the advanced placement test in microeconomics in May.

This is a fast-paced, intensive course designed to help the student see how and why decisions are made to produce and sell goods. Students will learn about the different types of businesses operating today in the U.S., what determines whether a firm stays in business, the interaction between labor and the owners of production, the effects of business practices on public policy (e.g. pollution's effect on an economy), and how to evaluate the performance of a firm. Units of study include: basic economic principles, how markets work, demand and supply,

firms and markets, resource and labor markets, market failure and public policy, and special topics in microeconomics.

Psychology – Advanced Placement

SOC 364 .5 credit Semester 1 or 2 Grade: 11, 12

Prerequisite: Grade of "B" or better in Social Psychology, signature of instructor.

This course is a continuation of the first semester of psychology in that it assumes that students have a good understanding of methodology, social psychology, psychological experimentation, learning theory, development, and mental disorders. This class builds on those areas and in addition, covers methodology, biological bases of behavior, perception and memory, and cognition in depth. This class aims to prepare students for the AP psychology exam. A college text is used.

American Politics and Government – Advanced Placement

SOC 366 .5 credit Semester 1 or 2 Grade: 11, 12

Prerequisite: Grade of "B" or better in American Politics and Government (SOC 360), signature of instructor.

This will be a comprehensive study of the American Political system, including the Constitution. The main purpose of this course is to prepare students for the Advanced Placement exam in May. A commitment to read and study is mandatory. Units of study include: a continuation and an expansion of what students learned in American Politics and Government Unit I: The American System, Unit II: Opinions, Interests, and Organizations, Unit III: Institutions of Government, Unit IV: The Nature of American Democracy, Unit V: The Constitution.

European History – Advanced Placement

SOC 367/368 1.0 credit Semester 1 and 2 Grade: 11, 12

Prerequisite: Successful completion of World History, signature of instructor is required.

Strong GPA, determination and persistence to succeed. This is a year long, sequential course. Students will not be permitted to enroll in the second semester without successful completion of the first semester.

The study of European history since 1450 (High Renaissance to the present) introduces students to cultural, economic, political, and social developments that played a fundamental role in shaping the world in which they live. Without this knowledge, we would lack the context for understanding the development of contemporary institutions, the role of continuity and change in present-day society and politics, and the evolution of current forms of artistic expression and intellectual discourse. In addition to providing the narrative of events and movements, the goals of AP European History are to develop (a) an understanding of some of the principal themes in modern European history, (b) an ability to analyze historical evidence and historical perception, and (c) an ability to express historical understanding in writing. Units of study include: Renaissance and Reformation, Age of the Absolutist State, Age of Enlightenment, French Revolution and Napoleonic Wars, Unification with Germany, Age of Imperialism, Global Wars, and Postwar Europe.

Women in American History

SOC 380 .5 credit Semester 1 or 2 Grade: 11, 12

Prerequisite: Successful completion of U.S. History 9 and World History 10 or signature of instructor.

Students should have an interest in the experiences of women in American history and a desire to improve analytical and writing skills. There is an emphasis on the analysis of source materials, writing, and discussion.

We will study women in American History from the Colonial era to the present. The course will critically analyze ways in which race, religion, and class affected the lives, roles, and experiences of American women. There will be an emphasis on stories of famous and not so famous women in America. The course is discussion based, but requires strong reading and writing skills. Reflective and formal research papers are required. The course will ask students to identify complex historical debates of the role of women in American society and analyze those debates from multiple perspectives. An objective of this course is to connect history to student's personal life and use the gained historical knowledge to affect social change. The course is open to students of both genders. Units of study include: Traditional America 1600-1800, Nineteenth Century 1815-1880, Women and Social Reform 1880-1910, Changing Images of Womanhood 1920-1960, and Women since 1960.

Latin America, Mexico, and the Caribbean

SOC 370 .5 credit Semester 1 or 2 Grade: 11, 12

No prerequisites.

In this course we will explore the history, geography, peoples and major issues of Latin America from pre-Colonial time to the present. Specifically we will examine the rise and fall of the Aztec, Incan, and Mayan civilizations and the Spanish and Portuguese conquest and rule of the Americas. We will then turn to the history of modern Latin America from independence to the present. Issues studied include Latin America in the global economy, relations between Latin America and the U.S., dictatorships and democracies in the twentieth century, Indigenous cultures, revolution in Mexico, Cuba, and Central America, and immigration.

U.S./World: A Survey of Issues

SOC 390 .5 credit Semester 1 or 2 Grade: 11, 12

No prerequisites.

This course examines a variety of social and political issues in the world and the relationship the U.S. has within these situations. We will explore international terrorism, regional conflicts, world-wide public health care crises such as HIV/AIDS, trends in global economics and the process of "globalization," and other contemporary issues that impact the U.S. and the world.

Course Name	Semesters Offered	Course Number	Grade Levels			
			09	10	11	12
Reading	Sem 1 and 2	XIS 041/042		x	x	x
Basic English	Sem 1 and 2	XIS 051/052		x	x	x
Life Skills Literacy and Math	Sem 1 and 2	XIS 101/102	x	x		
Functional Vocational Skills	Sem 1 and 2	XIS 111/112	x	x	x	x
Life Skills Health	Sem 1 and 2	XIS 121/122		x	x	x
You and the Law	Sem 1 and 2	XIS 201/202		x	x	x
Healthy Living	Sem 1 and 2	XIS 211/212		x	x	x
Consumer Math	Sem 1 and 2	XIS 221/222		x	x	x
Careers	Sem 1 and 2	XIS 231/232		x	x	x
Work Experience	Sem 1 and 2	XIS 931/932		x	x	x
Transition: High School to Adulthood	Sem 1 and 2	XIS 941/942	x	x	x	x

Reading

XIS 041/042 1.0 credit Semester 1 and 2 Grade:

Signature of Instructor required.

Students with a lexile score of less than 300 would qualify for this class. Building vocabulary is an emphasis. Students will learn the sight words necessary to build fluency. Decoding skills will be concentrated on. Summarizing, drawing conclusions, interference, sequencing, main idea are some of the reading skills that will be taught. Qualifies for credit for graduation via the IEP.

Basic English

XIS 051/052 1.0 credit Semester 1 and 2 Grade:

Signature of Instructor required.

A variety of reading materials will be utilized to build content vocabulary and generate writing activities. Students will improve length and variety of their sentence writing and begin to connect paragraphs into themes utilizing organization strategies. Students will utilize computer technology to aid writing. Qualifies for credit for graduation via the IEP.

Life Skills Literacy and Math

XIS 101/102 1.0 credit Semester 1 and 2 Grade:

Signature of Instructor required.

A course designed for students with cognitive disabilities and/or developmental disabilities needing to acquire and maintain functional life skills related to literacy and math. Students may sign up to take this course as a block or just one section. The literacy portion will focus on letter identification and basic reading skills. The math portion will focus on students needing to acquire and maintain functional life skills related to math. Some skills covered are counting, basic number operations, money handling, measurement and time telling. Students may repeat this class for further skill development. Qualifies for credit for graduation via the IEP. Instruction focuses on developing students’ reading/writing and math skills. Topics covered include letter identification, spelling, simple sentence writing, phonemic awareness and decoding, sign/symbol and word recognition of everyday words used in school, shopping, and transportation, health, safety, recreation and home settings. Math topics covered include counting, basic number operations, fractions, money handling, time telling, graphing, and measurement.

Functional Vocational Skills

XIS 111/112 1.0 credit Semester 1 and 2 Grade:

Signature of Instructor required.

This course prepares students with disabilities to transition into Dane County’s supported employment system by helping them discover and communicate vocational preferences and needs. Vocational assessment opportunities are provided both within East High school as well as in the community settings. Students have the opportunities to

try out a variety of volunteer positions to gain experience as they prepare for paid employment as well as explore possible micro-enterprises, while increasing their self-advocacy skill and learning to direct their own support staff.

Life Skills Health

XIS 121/122 1.0 credit Semester 1 and 2 Grade:

Signature of Instructor required.

Designed for students with disabilities transitioning into Dane County's Adult Services system. This course uses a curriculum designed by UW-Madison's Waisman center called S.A.F.E. –Safety Awareness for Empowerment. This course emphasizes self-advocacy, sexuality awareness, and abuse prevention. Students will learn about their own disability-related needs, An introduction to Dane County's service system for individuals with disabilities is also presented, to help prepare students for adulthood after they reach 21 years of age. Qualifies for credit for graduation via the IEP.

You and the Law

XIS 201/202 1.0 credit Semester 1 and 2 Grade:

Signature of Instructor required.

This course will give students a general understanding of the government of the United States, their role in government, and their rights as guaranteed by the United States Constitution. Citizenship and immigration, from a historical perspective up to the present time will be discussed, as well as examining Federal, State and local laws and regulations. Students will actively engage in debates about controversial issues. The Juvenile Justice system will be given a close examination covering the police, the Court system, how laws work, Your Rights, search and seizure, due process, trial and sentencing. We will discuss how working together to stop criminal activity can create safe communities: alternative to violence, peer pressure, mediation, and school-crime prevention. Qualifies for credit for graduation via the IEP.

Healthy Living

XIS 211/212 1.0 credit Semester 1 and 2 Grade:

Signature of Instructor required.

An alternative course including instruction in fitness, nutrition, alcohol/drug use, stress management, human relations and sexuality. Qualifies for credit for graduation via the IEP.

Consumer Math

XIS 221/222 1.0 credit Semester 1 and 2 Grade:

Signature of Instructor required.

This course is for students with lower math skills who are able to learn and master basic operations with whole numbers, decimals, percents and fractions. Focusing on addition, subtraction, multiplication and division, students will apply basic operations to real life skills including manage a monthly budget, smart shopping, using a checking/savings account, tracking income earned, measurement using the English system and the metric system, interpreting statistics and graphs, and estimating/rounding numbers. Students may repeat this class for further skill development. Qualifies for credit for graduation via the IEP.

Careers

XIS 231/232 1.0 credit Semester 1 and 2 Grade:

Signature of Instructor required.

Students in this course will look at personal interests, aptitudes and abilities as they choose possible future careers. Many careers will be presented via current videos. Job seeking skills, obtaining promotions, fringe benefits, unions, and income tax will be covered. Qualifies for credit for graduation via the IEP.

Work Experience

XIS 931/932 1.0 credit Semester 1 and 2 Grade:

Signature of Instructor required. Must be referred by case manager

This course is intended for the independent student who requires some assistance in securing and maintaining part-time employment in the community. Student will have a signed Work Experience Contract and must receive a

satisfactory evaluation of work performance by their employee to earn credit. Student will submit weekly or bi-weekly paycheck stubs for verification of hours.

Transition: High School to Adulthood

XIS 941/942

1.0 credit

Semester 1 and 2

Grade:

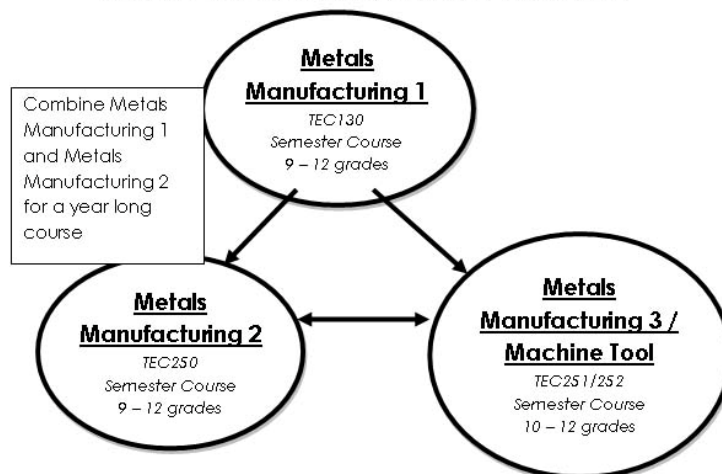
Prerequisite: Decision of IEP Team to enroll in this course of study.

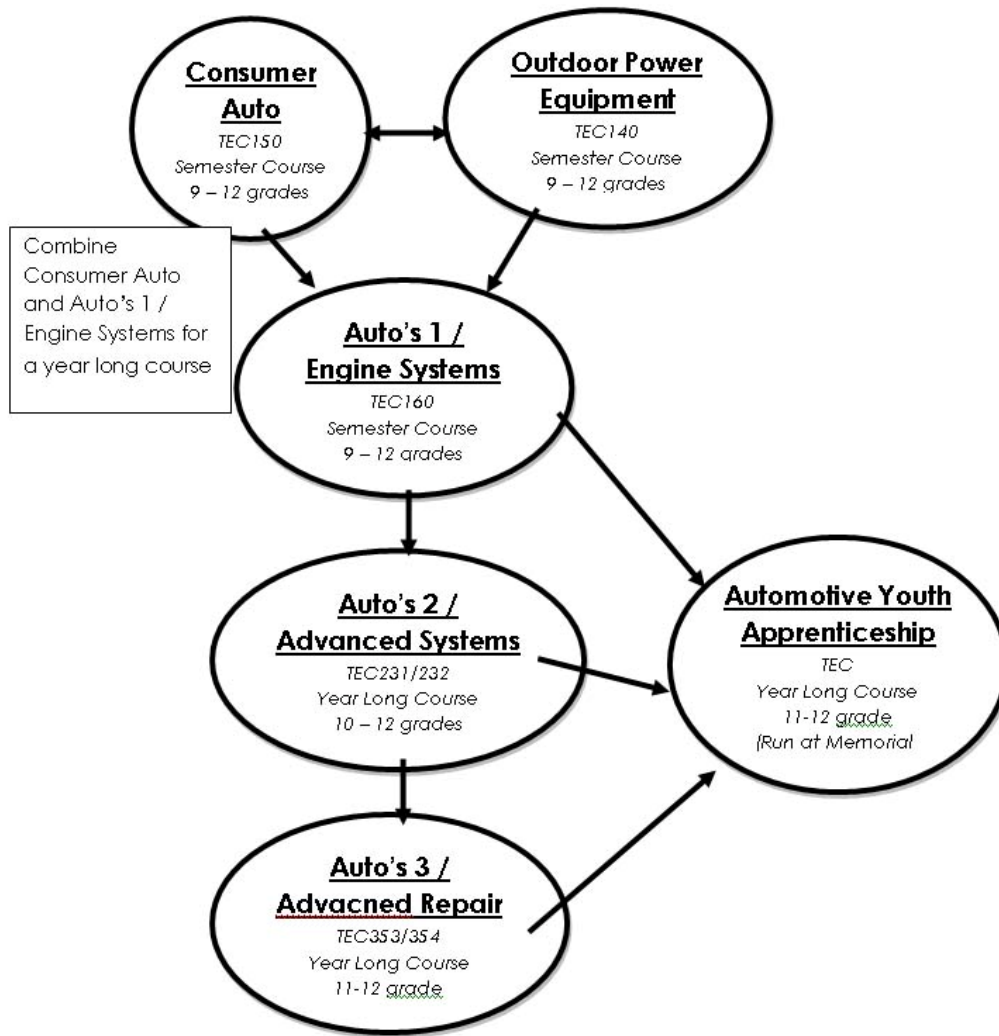
Enrollment in this course of study is especially recommended for any student who is currently receiving case management and/or respite services through Dane County Human Services. Location/LRE information for this instruction needs to be described in the "IEP Summary" section of the most current IEP. Signature of instructor.

This course is recommended for students who are currently eligible or will be eligible for services through the Dane County Developmental Disabilities system (please refer to the MMSD "Guide to the Transition Process: High School to Adulthood" handbook http://dww.madison.k12.wi.us/es/SpecEd/Oper_Frm/Transition_Guide.pdf and/or contact EHS Transition teacher for eligibility criteria information). Instructional activities will focus on the individual transition needs of the student when he/she exits the public school system at age 21. The goal is to facilitate a smooth transition from high school into the county-supported adult service system. Units of study include: Post-Secondary Instruction, Related Services, Community Experiences, Employment Objectives, Post-School Adult Living Objectives, Acquisition of Daily Living Skills (if appropriate), Functional Vocational Evaluation (if appropriate).

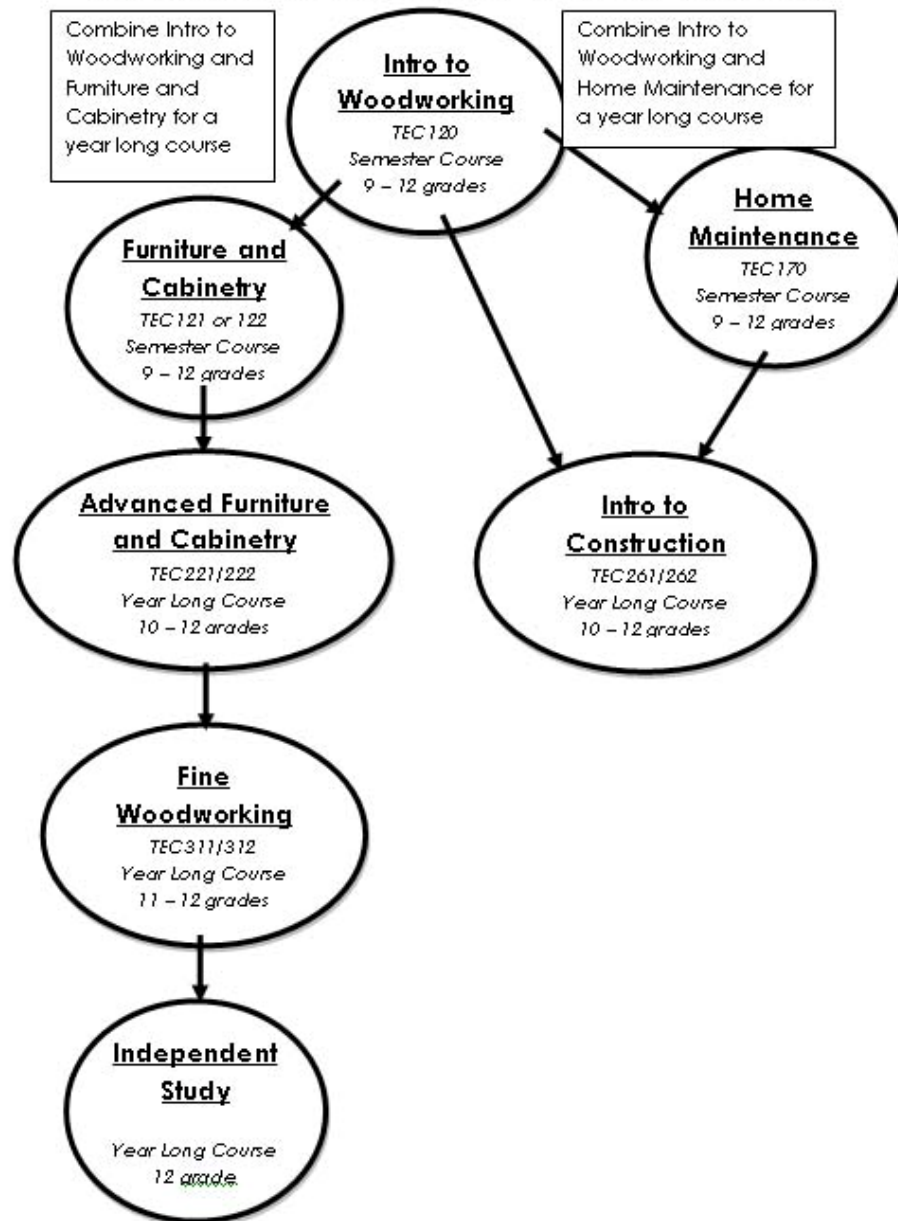
Course Name	Semesters Offered	Course Number	Grade Levels			
			09	10	11	12
Computer Media in Technology	Sem 1 or 2	TEC 100	x	x	x	x
Introduction to Graphic Design	Sem 1 or 2	TEC 110	x	x	x	x
Introduction to Woodworking (Wood LINKS)	Sem 1 or 2	TEC 120	x	x	x	x
Furniture and Cabinetry (Wood LINKS)	Sem 1 or 2	TEC 121/122	x	x	x	x
Metals Manufacturing 1	Sem 1 or 2	TEC 130	x	x	x	x
Outdoor Power Equipment Technology	Sem 1 or 2	TEC 140	x	x	x	x
Consumer Auto	Sem 1 or 2	TEC 150	x	x	x	x
Auto Technology 1/Engine Systems	Sem 1 or 2	TEC 160	x	x	x	x
Home Maintenance & Improvement (Wood LINKS)	Sem 1 or 2	TEC 170	x	x	x	x
Introduction to Engineering (Project Lead the Way)	Sem 1 and 2	TEC 171/172	x	x	x	x
Web Design 1	Sem 1 or 2	TEC 180	x	x	x	x
Advanced Web Design	Sem 1 or 2	TEC 190	x	x	x	x
Graphic Design 2 – Yearbook Publication	Sem 1 and 2	TEC 201/202		x	x	x
Design Drafting – CAD Architecture	Sem 1 or 2	TEC 210		x	x	x
Advanced Furniture and Cabinetry (Wood LINKS)	Sem 1 and 2	TEC 221/222		x	x	x
Auto Technology 2	Sem 1 and 2	TEC 231/232		x	x	x
Metals Manufacturing 2	Sem 1 or 2	TEC 250		x	x	x
AS Metals Manufacturing – Machine Tooling	Sem 1 or 2	TEC 251/252		x	x	x
Digital Electronics (Project Lead the Way)	Sem 1 and 2	TEC 255/256		x	x	x
Introduction to Construction (Wood LINKS)	Sem 1 and 2	TEC 261/262		x	x	x
Principles of Engineering (Project Lead the Way)	Sem 1 and 2	TEC 271/272		x	x	x
Introduction to Film and Video Production	Sem 1 or 2	TEC 280		x	x	x
Advanced Video and Film Production	Sem 1 or 2	TEC 301/302			x	x
Fine Woodworking (Wood LINKS)	Sem 1 and 2	TEC 311/312			x	x
Computer Integrated Manufacturing (Project Lead the Way)	Sem 1 and 2	TEC 321/322			x	x
Automotive Technology 3	Sem 1 and 2	TEC 353/354			x	x
Aerospace Engineering (Project Lead the Way)	Sem 1 and 2	Memorial		x	x	x
Civil Engineering and Architecture (Project Lead the Way)	Sem 1 and 2	Mem/La Follette		x	x	x
Engineering Design and Development (Project Lead the Way)	Sem 1 and 2	Memorial		x	x	x
Automotive Technology 4/Advanced Engines	Sem 1 and 2	Mem/La Follette			x	x
Automotive Youth Apprenticeship Program	Sem 1 and 2	Memorial			x	x

Metals / Manufacturing Course Sequence



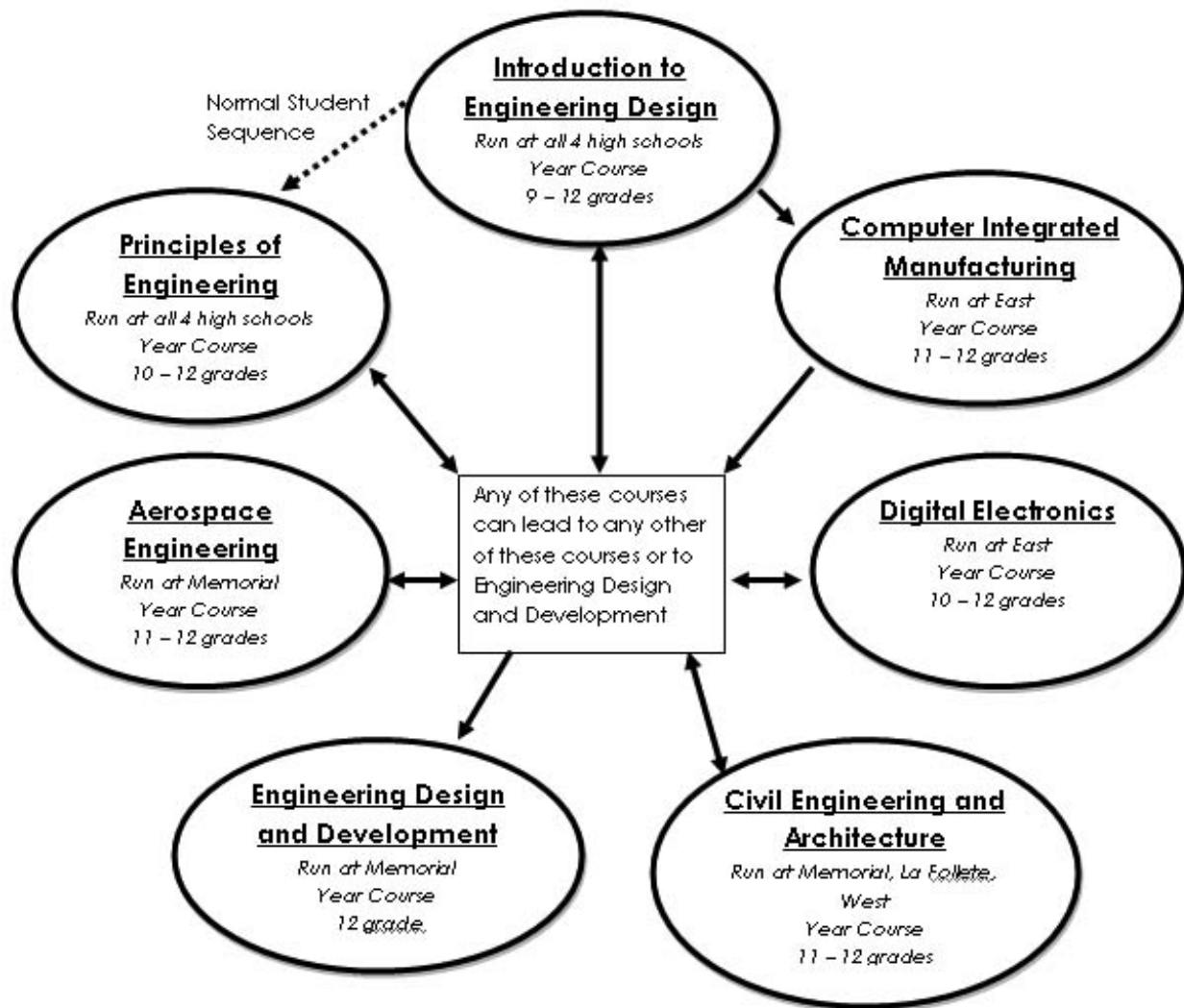


Woodworking and Construction Course Sequence

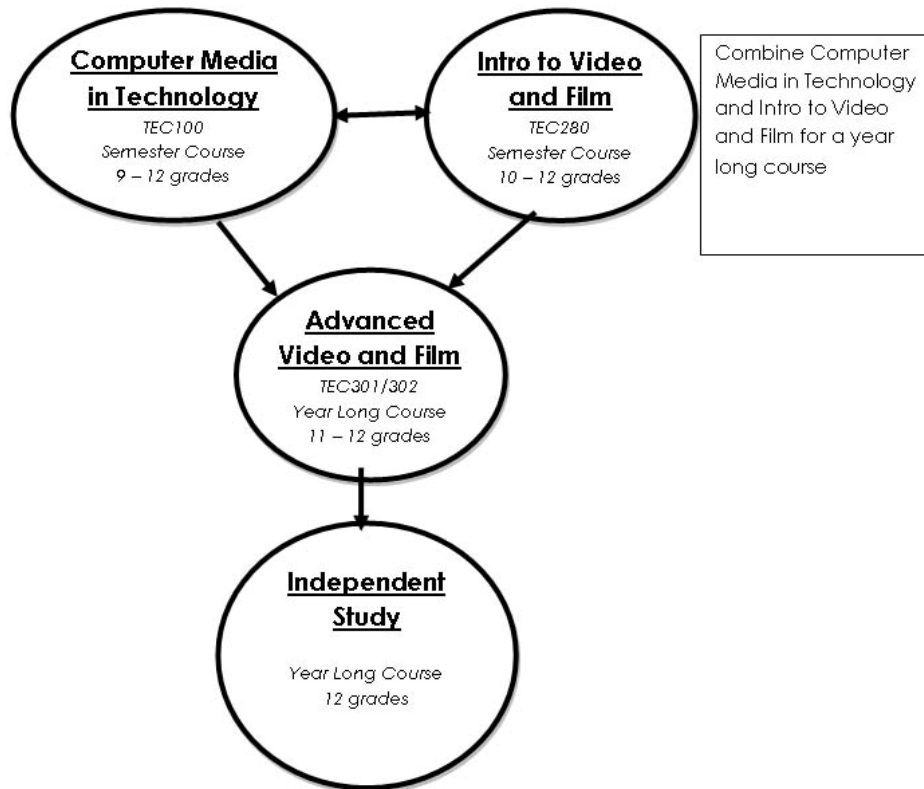


Engineering (Project Lead The Way) Course Sequence

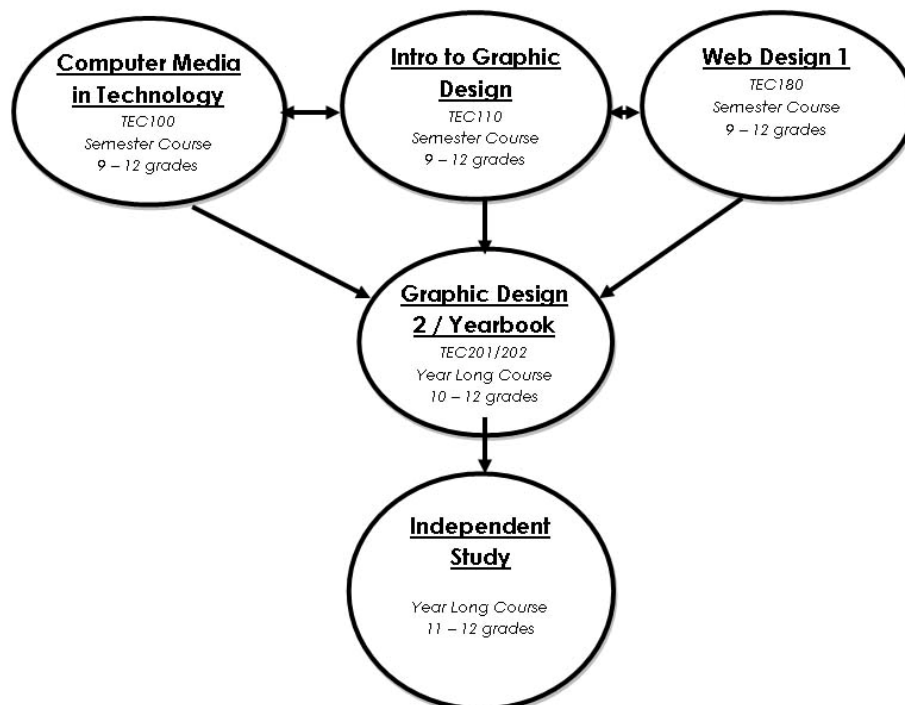
Although it is not required for students to take the Introduction to Engineering Design course to take any other engineering course (except Computer Integrated Manufacturing), it is strongly recommended.



Video Course Sequence



Graphic Design Course Sequence



Computer Media in Technology

TEC 100 .5 credit

Semester 1 or 2

Grade: 9, 10, 11, 12

*Semester class fee \$20.00**Meets recommendation: CTE**No prerequisites.*

This is a general course about computer multimedia. Students will burn music CDs, make CD labels, take color photographs, print color photographs, use desktop publishing software, make animations, make movies on the computer as a group, and make websites with animation and sound. You will be introduced to taking photographs with a digital camera, and will use desktop publishing software. We will modify sound files, burn music onto CDs, and make CD labels for them. You will create websites with animation, sound, and video. You may choose to do an architectural design or create an invention using 3D software. Create an animation or video game. You will learn procedures for internet research and safer ways to use e-mail and the internet. Some of the time you will work in small groups. Because of the collaborative nature of this course, it is required that you be able to work well with others.

Introduction to Graphic Design

TEC 110 .5 credit

Semester 1 or 2

Grade: 9, 10, 11, 12

*Semester class fee \$20.00**Meets recommendation: CTE**No prerequisites.*

This course provides an overview of computer applications used in the field of graphic design. Computer applications include Adobe Photoshop, Adobe Illustrator, and Adobe InDesign. Students will also explore digital photography and have the opportunity to produce images for the school's yearbook. Those who have a designer to take part in Graphic Design 2 / Yearbook Publications need to take this course.

Introduction to Woodworking (WoodLINKS)

TEC 120 .5 credit

Semester 1 or 2

Grade: 9, 10, 11, 12

*Semester class fee \$20.00.**Meets recommendation: CTE**No prerequisites.*

In this hands-on course you learn modern woodworking skills as you build useful projects. The curriculum focuses on standard procedures, properties of wood, accurate measurement, and the safe use of hand and power tools used for woodworking. At the end of the semester, successful students take home attractive projects and many new skills. This course is part of the district's new initiative focusing on industry training in wood products manufacturing, known as WoodLINKS. Student is responsible for obligations. Units of study include: basic hand, machine, and communication skills in woodworking.

Furniture and Cabinetry (WoodLINKS)

TEC 121/122 .5 credit

Semester 1 or 2

Grade: 9, 10, 11, 12

*Prerequisite: Introduction to Woodworking.**Meets recommendation: CTE*

Successful completion of work in this class will advance the student to the Journeyman certificate issued by the Skills USA/VICA executive council. Class fee \$20.00.

This course is a continuation of Introduction to Woodworking. Students will learn more advanced skills related to cabinet making and architectural woodworking. Areas of study include: safety, wood material technology, woodworking design, project planning, operations on woodworking machines, finishing methods and techniques, industry standards, and customizing. Students will also explore career opportunities and ways woodworking applies to our lives. Students will work independently or in groups to complete at least one major project. This course is part of the district's new initiative focusing on industry based training in wood products manufacturing, known as WoodLINKS. Student is responsible for obligations.

Metals Manufacturing 1

TEC 130 .5 credit

Semester 1 or 2

Grade: 9, 10, 11, 12

*Semester class fee \$20.00.**Meets recommendation: CTE**No prerequisites.*

This course is designed to acquaint students with hot and cold processes for manufacturing products with metal. Projects are completed in the areas of metal cutting, sheet metal-bending and construction, threading-interior and

exterior, welding—spot, arc, and oxyacetylene. Metals Manufacturing 2 and 3 are Semester classes. Students may elect to take either course or a combination of the two. Units of study include: basic metals processes.

Outdoor Power Equipment Technology

TEC 140 .5 credit Semester 1 or 2 Grade: 9, 10, 11, 12
Semester class fee \$20.00. Meets recommendation: CTE
No prerequisites.

Students in class will study the theory and operation of two-and four-stroke engines. They will gain hands-on experience by disassembling, analyzing, and reassembling small engines. Students will be encouraged to bring in projects needing repair from home. This course integrates and reinforces basic science and mathematical concepts while providing hands-on experience for students. Student is responsible for obligations.

Consumer Auto

TEC 150 .5 credit Semester 1 or 2 Grade: 9, 10, 11, 12
Semester class fee \$20.00. Meets recommendation: CTE
No prerequisites.

This course is designed for the students who would like to own and maintain a personal vehicle. This course covers basic car care, under hood inspection (fluids, belts, hoses), removing & replacing items (wiper blades, bulbs, fuses), cooling system maintenance, battery/charging system diagnosis, lubrication system maintenance, tire information, brake inspection, minor ignition system maintenance (spark plug, wires, firing order), car buying, car insurance, and service information. Student is responsible for obligations.

Auto Technology 1/Engine Systems

TEC 160 .5 credit Semester 1 or 2 Grade: 9, 10, 11, 12
Semester class fee \$20.00. Meets recommendation: CTE
Prerequisite: Completion of Consumer Auto or Outdoor Power Equipment Technology with a passing grade.

Automotive Technology 1 is an introduction to basic engine construction and operation. Students will disassemble an engine to study engine components operation, testing procedures, and engine trouble diagnosis. Students will complete activities to study the following automotive engine systems: cooling, lubrication, fuel, electrical, and ignition systems. Student is responsible for obligations. Units of study include: basic car care, basic cooling system, and basic scan tool use.

Home Maintenance & Improvement (WoodLINKS)

TEC 170 .5 credit Semester 1 or 2 Grade: 9, 10, 11, 12
Semester class fee \$20.00. Meets recommendation: CTE
No prerequisites.

This course aims to provide students with knowledge of techniques used in maintaining a home. Emphasis is placed on residential construction and the related trade areas. Students will learn about the related power and hand tools of the building industry with assigned work units. Students will gain hands-on experience with fixing a leak in a copper pipe, patching a hole in a wall, wiring up a switch or an outlet, what to do when fuses don't work, and unplugging a drain. Safety practices and procedures are discussed, demonstrated, and practiced. This course is part of the district's new initiative focusing on industry based training in wood products manufacturing, know as WoodLINKS. Student is responsible for obligations.

Introduction to Engineering (Project Lead the Way)

TEC 171/172 1.0 credit Semester 1 and 2 Grade: 9, 10, 11, 12
Class fee \$40.00. Meets recommendation: CTE

Minimum of successful completion of Algebra recommended or currently enrolled. This course is part of the new district initiative in Engineering known as, Project Lead the Way. It is possible for students to take the complete engineering sequence, (TEC 171/172, TEC 255/256, TEC 271/272 and TEC 321/322) but it is not required.

This course introduces students to the design process and the tools used in product development. Students will experience first-hand the activities in which engineers engage throughout the design cycle. Development of design briefs, sketching, 3D solid modeling, and prototyping through computer-aided drafting are part of the course.

Students will have the opportunity to learn ways in which design techniques apply to many fields, such as healthcare, business, art and animation, manufacturing, engineering, etc. Problem-solving and math as it applies to producing products and services for today's society are emphasized. This course is part of the new district initiative in Engineering known as, Project Lead the Way. *College credit available.*

Web Design 1

TEC 180 .5 credit Semester 1 or 2 Grade: 9, 10, 11, 12
Class fee \$20.00. Meets recommendation: CTE
No prerequisites.

The primary emphasis of this course is the design and construction of web pages. Students will learn the basics of web design theory and understand beginning HTML source code. Students will design websites using current industry standard software. In addition, students will work with digital video and still photography and associated editing software. Units of study include: Adobe Illustrator, Photoshop, Dreamweaver, InDesign, digital photography.

Advanced Web Design

TEC 190 .5 credit Semester 1 or 2 Grade: 9, 10, 11, 12
Prerequisite: Web Design 1 Meets recommendation: CTE
Class fee \$20.00

This course will specialize in designing advanced web pages. Use of video and animation in websites will be emphasized. Students will have the chance to work with other groups throughout the school to produce web pages that may appear on the school's website. Students will also work with area businesses to design web pages. Students will work with Dreamweaver and Flash 8 software.

Graphic Design 2 – Yearbook/Publications

TEC 201/202 1.0 credit Semester 1 and 2 Grade: 10, 11, 12
Meets recommendation: CTE

Prerequisite: Completion of Introduction to Graphic Design or completion of (or current enrollment in) Journalism. Students will take leadership roles in the design of the East Yearbook, *Tower Tales*, as well as East's newspaper, *Tower Times*, and East's literary art magazine, *Expressions*. Students will learn advanced techniques in photography, graphic design, and page layout. Software programs include Adobe PhotoShop, Illustrator, and InDesign. Units of study include: advanced photography, graphic design, and page layout.

Design Drafting CAD Architecture

TEC 210 .5 credit Semester 1 or 2 Grade: 10, 11, 12
No prerequisites. Meets recommendation: CTE

This course will employ the use of AutoDesk Inventor, Google Sketchup and AutoDesk Revit. Inventor is a 3 Dimensional Solids Modeling program that allows the students to design in 3D! Student will become familiar with the basic commands and functions of the software while they solve problems and design solutions both on paper and 3Dimensionally on the computer. Students will learn the basics of architecture design and techniques. Students will learn major house and building styles by mimicking these styles while building houses using both computer programs. Students will complete the semester designing a house following their own style. Units of study include: drafting with computer/AutoCAD Problem Solving Activities, and Architecture.

Advanced Furniture & Cabinetry (WoodLINK)

TEC 221/222 1.0 credit Semester 1 and 2 Grade: 10, 11, 12
Prerequisite: Furniture and Cabinetry Meets recommendation: CTE
Completion of woods projects and participation in various activities sponsored by the student organization will give opportunity for the student to be reviewed and presented the Madison East SkillsUSA Master Wood worker Certificate. Class fee \$40.00.

This course is the advanced study of wood product processing. Emphasis is placed on safety, project planning, design, and understanding of procedures and the use of jigs and fixtures in woodworking. Areas of exploration include veneering, CNC technology, and curved and circular work. There are assigned projects with additional time

course is part of the district's new initiative focusing on industry based training in wood products manufacturing, known as WoodLINKS.

Principles of Engineering (Project Lead the Way)

TEC 271/272 1.0 credit Semester 1 and 2 Grade: 10, 11, 12

Class Fee: \$40.00

Meets recommendation: CTE

Prerequisite: Geometry recommended, or currently enrolled. This course is part of the new district initiative in Engineering known as Project Lead the Way. It is possible for students to take the complete engineering sequence, but not required. College credit is available.

Students will experience engineering and design technology and use various technological systems and manufacturing processes that demonstrate ways in which engineers and technicians use math, science and technology to benefit people. This course will be a mix of hands-on and academic activities including computer-aided design projects, research activities, case studies, team product development, and discussions on the social and political consequences of technological change. Student is responsible for obligations. This course is part of the new district initiative in Engineering known as, Project Lead the Way. College credit is available.

Introduction to Film and Video Production

TEC 280 .5 credit Semester 1 or 2 Grade: 10, 11, 12

Class Fee: \$20.00

Meets recommendation: CTE

Students will work on planning, shooting, and editing short news segments that will air on East High's school newscast, *TowerTV*. Students will learn key functions and capabilities of the video camera and gain an understanding of editing software through the use of Apple's Final Cut Pro. The emphasis will be on video storytelling by producing segments that will be shown throughout the school and MMSD's cable channel.

Advanced Video and Film Production

TEC 301/302 .5 credit Semester 1 or 2 Grade: 11, 12

Class Fee: \$20.00

Meets recommendation: CTE

Prerequisite: Introduction to Film and Video Production. Signature of Instructor required.

Students will have the chance to expand on concepts learned in Introduction to Film & Video Production. This will include work with longer format video projects to be used both on *TowerTV* and the MMSD cable channel. Students will also explore the use of advanced software including Motion, Soundtrack Pro, DVD Studio Pro and Garage Band. Other areas to be included are: Lighting for Video/Film, Set design, and Video animation. Production work may include live programming of sporting events for *TowerTV*.

Fine Woodworking (Wood LINKS)

TEC 311/312 1.0 credit Semester 1 and 2 Grade: 11, 12

Class Fee: \$40.00

Meets recommendation: CTE

Prerequisite: Advanced Furniture and Cabinetry. Course is open to all who may want to pursue a career in the construction industry. When the class fills, preference will be given to students who have successfully completed Woods 1.

This course is the advanced study of wood product processing. Emphasis is placed on the production process. This includes project planning, design, presentation and understanding of procedures, and the use of jigs and fixtures in woodworking. Areas of exploration include career exploration. There are assigned or student selected projects. Student is responsible for researching processes and materials for the completion of their projects. This course is part of the district's new initiative focusing on industry based training in wood products manufacturing, known as WoodLINKS. Student is responsible for obligations.

Computer Integrated Manufacturing (Project Lead the Way)

TEC 321/322 1.0 credit Semester 1 and 2 Grade: 11, 12

Class Fee: \$40.00

Meets recommendation: CTE

Prerequisite: Completion of Introduction to Engineering and Principles of Engineering OR completion of Metals Manufacturing 1 and Metals Manufacturing 2. This course is part of the new district initiative in Engineering

known as, *Project Lead the Way*. It is possible for students to take the complete engineering sequence, but not required. College credit is available.

Students will take the three-dimensional modeling skills they learned in Introduction to Engineering and combine them with the building and manufacturing processes learned in Principles of Engineering to a whole new level that includes rapid prototyping and using a three-dimensional printer. Using Autodesk Inventor and other computer programs, students will create actual models and prototypes with Computer-Numeric-Control machines, robotic arms and automated manufacturing. Student is responsible for obligations. This course is part of the new district initiative in Engineering known as, *Project Lead the Way*. College credit is available.

Automotive Technology 3

TEC 353/354

1.0 credit

Semester 1 and 2

Grade: 11, 12

Class Fee: \$40.00

Meets recommendation: CTE

Prerequisite: Completion of Automotive Technology 2.

This course is designed for further study of the automotive profession. It is an independent study and offers further practice with automotive competencies in electrical/electronic systems, brake systems, suspension and steering systems, and engine performance systems. Students will be required to join SkillsUSA student organization as part of this course. Student is responsible for obligations.

Aerospace Engineering (Project Lead the Way)

Memorial

1.0 credit

Semester 1 and 2

Grade: 10, 11, 12

Prerequisite: Freshman level science and signature of Instructor required.

Meets recommendation: CTE

Recommendation of Physics and Algebra 2 or concurrent enrollment. This class is available only at Memorial, see your counselor for more information.

Aerospace is a two-semester advanced level, integrated, project-based science course with an emphasis on the application of the biological, chemical, and physical principles inherent in aviation and space studies. Units of instruction include aviation history, aerodynamics, aircraft stability and design, physiology of flight, aerospace materials science, space exploration, and autonomous vehicle design. Most lessons are reinforced through the use of computer technology and software such as Flight Simulator, Inventor, and AERY. Field trips during the year offer the opportunity to pilot single-engine aircraft under the guidance of certified flight instructors and to experience kit built aircraft manufacturing, the EAA museum, and aircraft restoration. Student is responsible for obligations. This course is part of the district initiative in Engineering known as *Project Lead the Way*.

Civil Engineering and Architecture (Project Lead the Way)

Memorial/La Follette

1.0 credit

Semester 1 and 2

Grade: 10, 11, 12

College credit is available.

Meets recommendation: CTE

This class is available only at Memorial and La Follette. See your counselor for more information.

Recommendations: Successful completion of Geometry or currently enrolled. Introduction to Engineering Design or Principles of Engineering.

In this class you will learn about Civil Engineering and Architecture, using the design process to solve real world problems and apply your creative skills to hands-on-projects. You will use state-of-the-art software to design residential and commercial buildings. This course covers topics such as the roles of civil engineers and architects, project planning, building design, project documentation and presentation, and interior design. Student is responsible for obligations. This course is part of the district initiative in Engineering known as "*Project Lead The Way*." College credit is available.

Engineering Design and Development (Project Lead the Way)

Memorial

1.0 credit

Semester 1 and 2

Grade: 10, 11, 12

College credit is available.

Meets recommendation: CTE

Prerequisite: At least one Project Lead The Way course and signature of instructor. This course is only offered at Memorial, see your counselor for more information.

Engineering Design & Development is the capstone research and development course for all of the engineering courses. Engineering Design and Development is an engineering research course in which students work in teams to research, design, and construct a solution to an open-ended engineering problem. Students apply principles

developed in the preceding engineering course(s) and are guided by the teacher and community mentor/professional engineers. At the end of the course, students must submit a final written report and defend their solutions to a panel of outside reviewers. Student is responsible for obligations. This is part of the district initiative in Engineering known as Project Lead the Way.

Automotive Technology 4 – Advanced Engines

Memorial/La Follette 1.0 credit Semester 1 and 2 Grade: 11, 12

Prerequisite: Automotive Technology 2

Meets recommendation: CTE

This course is offered only at La Follette and Memorial. See your counselor for more information.

This course is designed for further study of the automotive profession. It is the study of and further practice with automotive competencies in engine rebuilding which includes engine removal, disassembly, inspection, and measurement, cleaning, engine machining, re-assembly, test operation, welding basics, and torch operation. Students will be required to join SkillsUSA student organization as part of this course. Student is responsible for obligations.

Automotive Youth Apprenticeship Program

Memorial 1.0 credit Semester 1 and 2 Grade: 11, 12

Prerequisite: On track for high school graduation, Automotive Technology 1/Engine Systems.

College credit is available. This course is only offered at Memorial. See your counselor for more information.

Automotive Youth Apprenticeship (YA) is a rigorous statewide elective program for high school juniors and seniors that combine academic and technical classroom instruction with mentored on-the-job learning. It's an opportunity for students to experience a career while still in high school.

Madison students have the option of attending Memorial High School for the first period of the day or participating at McFarland High School on Wednesday evening from 6:00-9:00 pm. Students who continue the program for a second year, will continue taking courses at Madison Area Technical College. The second year courses run Monday and Wednesday evening from 6:00-9:00 pm, and courses are taught by technical college staff. Please see your counselor and your automotive teacher if you are interested in this program. Student is responsible for obligations.