

Melrose Area High School
2019-2020 Registration Guide
Course Description and Manual
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INTRODUCTION

The following pages represent an effort by the faculty, administration and curriculum committee to provide you, the student, with descriptive literature about the course offerings at Melrose High School. This informational booklet has been compiled to give you a better understanding of your high school educational program. Included in this booklet are the class offerings and specific requirements of the 9-12 program. Since you will be taking many of these classes, it is recommended that you read the course descriptions and what is expected in each area.

The registration process is a very important step in your education program. You are asked to read this booklet on course offerings very carefully and plan accordingly. At registration time, you will receive supplementary materials indicating information that will help you in your planning process. As you read through this booklet, remember that staff and administrators are committed to teaching and assisting students with the challenge of the courses the student selects.

In addition, we welcome the opportunity to answer any questions about the subjects we offer. Please contact Mollie Dusha, Counselor, at the Melrose Area High School if you have any questions. Phone: 256-5160.

Instructions for Online Course Registration 2019-2020 for grades 9-11:

1. Go to <http://www.isd740.org>
2. Click on the "Parent Links" button in the middle of the screen.
3. Click on the "Parent Portal" link.
4. Click "I am a student".
5. Enter your username and password on the left side under "Login". If you have not created your username and password, then you will have an activation code you will need to use to create your username and password and should click on the link on the right under "Activate My Account".
6. Click on "Course Request" on the left side.
7. Click on "Click here to change course requests" under your picture.
8. At the bottom of the screen use the course number listed next to the course title in this registration guide (do not search by title). Then click on "Select Course". You will need seven courses that say "S1" (semester 1) and seven that say "S2" (semester 2).
9. Once you have 14 total requests, select "Click here to return to course request summary" in the upper right side. Then logout. You do not need to lock in your course requests.

HS Graduation Requirements

It is the mission of Melrose Public Schools that as a unified team of professionals, we will assist students in their quest for knowledge, excellence, and lifelong skills as we provide for them a safe, positive learning environment.

HIGH SCHOOL DIPLOMA REQUIREMENTS

- A. A student shall satisfactorily complete the middle school program.
- B. A student must earn a minimum of 46 credits (34 required, and 12 electives) in grades 9-12 to be eligible for graduation. **1 credit = 1 Semester or 2 credits = 1 Year.**
- C. Required Courses:

Grade	Subject	Credits
9	English 9	2
	Social 9	2
	Mathematics	2
	Physical Science 9	2
	Physical Education	2
10	English 10	2
	Biology I and General Chemistry	2
	Mathematics	2
	U.S. History	2
	Physical Education/Health	2
11	*English (see options below)	2
	World History/Career Education	2
	Biology II + Science elective OR 1 year of College Biology	2
	Math (Junior or senior year)	2
	Art (Complete anytime before grad.)*	2
12	*English (see options below)	2
	American Government/Economics	2

Junior Core English

1st Semester Choices (choose 1)

American Literature
War Literature
Multicultural Literature

2nd Semester Choices (choose 1)

Mass Media
Creative Writing
Film
Young Adult Literature
Social & Professional Writing
Speech & Theatre
College Writing

Senior Core English

1st Semester Choices (choose 1)

College English AKA: Comp/Lit
Myths and Legends
Humanities

2nd Semester Choices (choose 1)

Mass Media
Creative Writing
Film
Young Adult Literature
Social & Professional Writing
Speech & Theatre

***You must complete 1 year of art prior to graduation. See page 10 for details.**

E. Credits needed to satisfy the 46 minimum might be selected from available electives.

F. One-hour semester classes count as one credit.

G. Students will **not** be allowed more than one study hall per semester. This means a student shall enroll in a minimum of six periods per day.

HONORS PROGRAM

HONORS DIPLOMA REQUIREMENTS:

An honors diploma recognizing advanced academic courses selection is available to students. In order to qualify, a student must select 24 credits from the following courses and meet regular graduation requirements, plus have a cumulative GPA of 3.00 at the end of the third quarter of senior year.

<u>SUBJECT</u>	<u>COURSE</u>	<u>H.S. CREDIT</u>
Science	College Anatomy	1
	College Chemistry	1
	College Conceptual Physics	1
	Biology I	1
	Biology II	1
	Micro-Biology	1
	College Biology	2
Mathematics	Geometry 9+	2
	Geometry	2
	Algebra II-10	2
	Algebra II	2
	College Algebra	1
	Statistics	1
	Trigonometry	1
	Intro to Calculus	1
Foreign Language	Spanish (Each year)	2
	German (Each year)	2
Social Studies	U.S. History	2
	Psychology	1
	American Gov't/Econ	2
	College Economics	1
	College Sociology	1
	Abnormal Psychology	1
	Developmental Psych	1
Technology	Mechantronics 1 or 2	1
English	College Speech & Theatre	1
	College Writing	1
	College Literature	1
	College Supernatural Fict	1

IT IS THE STUDENT'S RESPONSIBILITY TO MAKE SURE THEY HAVE ENOUGH CREDITS TO QUALIFY FOR THE HONORS DIPLOMA

POST-SECONDARY ENROLLMENT OPTIONS (PSEO)

POST-SECONDARY PROGRAM

Postsecondary Enrollment Options (PSEO) is a program that allows 10th-, 11th- and 12th-grade students to earn both high school and college credit while still in high school, through enrollment in and successful completion of college-level, nonsectarian courses at eligible participating postsecondary institutions. Most PSEO courses are offered on the campus of the postsecondary institution; some courses are offered online. Each participating college or university sets its own requirements for enrollment into the PSEO courses. Eleventh and 12th-grade students may take PSEO courses on a full- or part-time basis; 10th graders may take one career/technical PSEO course. If they earn at least a grade C in that class, they may take additional PSEO courses.

There is no charge to PSEO students for tuition, books or fees for items that are required to participate in a course. Students must meet the PSEO residency and eligibility requirements and abide by participation limits specified in Minnesota Statutes, section 124D.09. If a school district determines a pupil is not on track to graduate, she/he may continue to participate in PSEO. Funds are available to help pay transportation expenses for qualifying students to participate in PSEO courses on college campuses. Schools must provide information to all students in grades 8-11 and their families by March 1, every year. Students must notify their school by May 30 if they want to participate in PSEO for the following school year. For current information about the PSEO program, visit mahscounselor.blogspot.com for a link to the MDE website.

*Eligible institutions include the University of Minnesota and its branches, all state universities, community colleges, technical colleges, or a Minnesota two or four year liberal arts residential degree-granting private school.

It is required for the student to meet with Ms. Dusha and parent/guardian and to be certain the post-secondary courses the student plans to take meet the high school requirements, and that the student will have enough credits to graduate.

COLLEGE CREDIT COURSES

At Melrose Area High School there are two ways for students to earn college credit while taking high school classes. Concurrent Enrollment is offered through Minnesota State Community & Technical College-Fergus Falls (M State), Southwest MN State University (SMSU) and Fond du Lac Community College (FDL). Tech Prep credits are offered through St. Cloud Technical College, Anoka Ramsey Community College, Central Lakes Community College, and Alexandria Technical College.

CONCURRENT ENROLLMENT

We offer college classes in our own high school through Minnesota State Community & Technical College - Fergus Falls (M State) and Fond du Lac Community College (FDL). The following courses at Melrose Senior High School are eligible for college credit:

<u>Melrose Course</u>	<u>College Course Name</u>	<u># of College Semester Credit</u>
(MSTATE COURSES)		
College Chemistry	Chem 1100 Fund Concepts of Chemistry	3
College Writing	Engl 1101 College Writing	3
College Literature	Engl 1205 Writing about Literature	3
College Supernatural Fict	Engl 2323 Horror & Supernatural Fiction	3
Speech & Theatre	Comm 1120 Intro to Public Speaking	3
College Statistics	Math 1213 Introduction Statistics	4
College Trigonometry	Math 1115 Functions of Trigonometry	4
College Intro Calculus	Math 1122 Applied Calc/Linear Algebra	4
College Algebra	Math 1114 College Algebra	4
College Biology	Biol 1122 General Biology	4
	Biol 1123 General Biology	4
College Concept. Physics	Phys 1105 Fundamental Concepts in Physics	3
College Psychology	Psyc 1200 General Psychology	3
College Abnormal Psych	Psyc 2220 Abnormal Psychology	3
College Dev Psychology	Psyc 2222 Developmental Psychology	3
College Sociology	Soc 1111 Introduction to Sociology	3
College Anatomy	Biol 2260 Human Anatomy and Physiology I	3
	(You also receive a lab credit, Biol 2261 for this class)	1
(FDLTCC COURSES)		
Spanish III	Span 1001 Beginning Spanish	4
Spanish IV	Span 1002 Beginning Spanish	4
German III	Germ 1001 Beginning German	4
German IV	Germ 1002 Beginning German	4
College Economics	Econ 2020 Macroeconomics	3
(SMSU COURSE)		
Intro to Education	ED 101 Introduction to Education	3

Students transferring to Melrose will have their transcript evaluated on a case by case basis to determine academic placement. The transcript information will be reviewed by the high school principal, counselor and a member of the appropriate department.

In order for a student to be eligible to take any Melrose college class offerings, the student must successfully complete all Melrose prerequisite course offerings on Melrose's campus.

Please check the course descriptions for the pre-requisite(s) to get into a college level course
If you would like to know which M State / FDL / SMSU courses will transfer and what they transfer for at the college you plan to attend go to: <http://www.transferology.com>

Minnesota Transfer Curriculum (MnTC) Goals

The Minnesota Transfer Curriculum (MnTC) is the general education curriculum for the Minnesota State Colleges and Universities system. Completion of this defined transfer curriculum at one institution enables a student to receive credit for all lower division general education upon admission to any other Minnesota public institution.

To earn the full Minnesota Transfer Curriculum, all ten goal areas listed below must be completed. A total of at least 40 semester credits must be earned. Completion of the MnTC meets the lower division general education requirements at Minnesota State Colleges and Universities and the University of Minnesota.

To receive an Associate of Arts degree (a two year, transferable general education degree), you need to fulfill the MnTC and take 20 elective credits.

Transfer Grades

All college level courses in which a student has received a grade of A, B, C, D or P/S will be considered for transfer evaluation. No F grade courses will be accepted. **Please note that while D grades will transfer and will fulfill Minnesota Transfer Curriculum (MnTC) requirements, some programs require all courses to have a grade of C or higher to fulfill requirements.**

**** (THE FOLLOWING OUTLINE IS BASED OFF OF TAKING THE AA ROUTE OFFERED THROUGH M STATE FERGUS FALLS).**

- Goal 1 Written & Oral Comm-Min of 9 credits
FULFILLED BY COMPLETING COLLEGE WRITING, COLLEGE LITERATURE and SPEECH & THEATRE
- Goal 2 Critical Thinking-Fulfilled when all MnTC goals are completed
FULFILLED BY COMPLETING: COLLEGE CHEMISTRY, TRIGONOMETRY, COLLEGE ALGEBRA, STATISTICS, OR COLLEGE BIOLOGY
- Goal 3 Natural Sciences-Minimum of two courses (7 credits), one which must be a lab course
FULFILLED BY COMPLETING COLLEGE BIOLOGY OR 1 SEMESTER OF COLLEGE BIOLOGY + 1 OF THE FOLLOWING:

COLLEGE CONCEPTUAL PHYSICS, COLLEGE ANATOMY, COLLEGE CHEMISTRY

- Goal 4 Mathematics/Symbolic Systems-Minimum of one course (3 credits)
FULFILLED BY COMPLETING ANY ONE: COLLEGE ALGEBRA, COLLEGE STATISTICS, COLLEGE TRIGONOMETRY, COLLEGE CALCULUS
- Goal 5 History and the Social and Behavioral Science-Minimum of three courses (9 credits) from two different disciplines
**FULFILLED BY COMPLETING 3 OF THE FOLLOWING:
-COLLEGE ECON
-COLLEGE SOCIOLOGY
-COLLEGE PSYCHOLOGY OR DEVELOPMENTAL PSYCH OR ABNORMAL PSYCHOLOGY**
- Goal 6 The Humanities—Arts, Literature and Philosophy-Minimum of three courses (9 credits) from three different disciplines: **PARTIALLY FULFILLED BY COMPLETING COLLEGE SUPERNATURAL FICTION**
- Goal 7 Human Diversity-Minimum of one course
FULFILLED BY COMPLETING COLLEGE SOCIOLOGY
- Goal 8 Global Perspective-Minimum of one course
FULFILLED BY COMPLETING COLLEGE SUPERNATURAL FICTION, COLLEGE ECONOMICS OR SPANISH 3 OR GERMAN 3
- Goal 9 Ethical and Civic Responsibility -Minimum of one course
FULFILLED BY TAKING PSYCHOLOGY OR DEVELOPMENTAL PSYCHOLOGY
- Goal 10 People and the Environment-Minimum of one course
FULFILLED BY TAKING COLLEGE BIOLOGY

*** Set up a meeting with Ms. Dusha and your MSTATE advisor to complete a planning sheet for completing your AA or MN Transfer Curriculum while in high school.**

CMETS Courses (Central Minnesota Educational Telecommunications System)

Welcome to the Electronic Classroom

Courses delivered via media technologies are becoming more common. Interactive television makes it possible to link two or more electronic classrooms that may be miles apart and create one classroom environment. When you walk into the classroom, you will see cameras and television monitors. All this technology is remote controlled and allows everyone in one location to see and hear everyone in the other locations.

Why Interactive Television?

Use of this system for classes, conferences, and meetings saves both travel time and expense for all parties involved. For classes, the system makes it possible for students on other campuses to take courses not available on their home campuses. There are a few small ways in which interactive television classes are different from the classroom situation to which we are most accustomed.

Courses we receive from other schools (see descriptions in this guide):

None at this time

Courses we offer to other schools:

German

What counts as my one year of art?

All students will need to have one year of art completed in order to graduate from high school. The following are the classes offered (must take 2 sem. classes or one yr of a class to meet the requirement).

- *Advanced Art – Independent Study
- *Art Creativity Expansion – Basic Skills
- *Drawing I/II
- *Ceramics I/II
- *Computer Aided Drafting I/II (CAD)
- *Concert Band
- *Concert Choir
- *Interior Design
- *Culinary Arts
- *Fashion Design
- *Foods and Nutrition
- *Graphic Design
- *Intro to Design
- *Painting I/II
- *Textiles
- *Speech & Theatre
- *Symphonic Band

What will count as my 3rd year of science?

Students are required after 10th grade to take one semester of Biology II and a science elective listed below or a full year of College Biology.

- *Earth and Space Science
- *Micro-Biology
- *College Anatomy
- *College Conceptual Physics
- *College Chemistry
- *College Biology
- *Biology II
- *Animal Science
- *Plant Science
- *Modern Ag
- *Exploring the Environment
- *Floriculture

If you have any questions about these requirements, see Ms. Dusha.

AGRICULTURE / BUSINESS EDUCATION

***** Students who plan to be an FFA member MUST take an agriculture course during the year. Please see Mrs. Seifert if you have any questions or concerns.*****

EXPLORING AGRICULTURE (9-10) SEMESTER

This course will allow students to explore our nation's largest industry, agriculture and agribusiness. Students will be able to delve into areas of the industry, including animal and plant sciences, FFA opportunities and history, parliamentary procedure, and ag economics. Students will be conducting various labs and hands-on activities to enhance their learning.

ANIMAL SCIENCE (9-12) SEMESTER

This course is designed for students who are interested in both large and small animal care. Areas of study will include nutrition, reproduction, ethics, and veterinary care of both livestock and small/exotic animals. There will be lots of labs and hands-on activities as well as a few field trips to help students connect what they learn to real world scenarios.

PLANT SCIENCE (9-12) SEMESTER

If you have an interest in Horticulture or Agronomy, this class is for you! Students will explore the taxonomy of plants, growth and development of crops, and so much more! Labs and hands-on experiences will be a core part of this class so students can really explore the mystery of the science of plants.

MODERN AGRICULTURE (11-12) SEMESTER

Have you ever wondered what it takes to farm and grow food that helps feed our nation? Do you live on a farm, but want to learn more about the agriculture outside of our community? During Modern Agriculture, students will take an inside look at farming in the past, GPS, agronomy, markets, and business. Students will also have the chance to dive into food safety and sustainable agriculture, both hot button topics in everyone's lives, whether you are a farmer or not!. This class will be hands on with several labs and field trips to help make all of the concepts learned in class relative to life outside of school.

EXPLORING THE ENVIRONMENT (9-12) SEMESTER

Natural resources are all around us. Through this class, students will be able to take an in-depth look into forestry, wildlife, and natural resources by exploring the outdoors, labs, and guest speakers. Special focus will be on those topics in Minnesota and how students can work to preserve them through good management practices.

FLORICULTURE (9-12) SEMESTER

This class will focus on the basics of plant science and art design, as it pertains to flowers. Students will have the opportunity to learn how to cut and care for flowers, plant identification, understand the basics in running a floral business, and design flower arrangements and corsages.

LIFE SKILLS/LEADERSHIP (11-12)**SEMESTER**

Through this course, students will be able to evaluate their leadership style and better themselves as students, community members, and young adults. Students will also dive into how to live life after high school, including budgeting, resumes, cover letters, life in college, and time management. Through this course, students can focus on where they want to go, and what skills they will need to get them there.

AG COMMUNICATIONS AND SALES AND MARKETING (9-12)**SEMESTER**

Are you interested in a career in graphic design or communications? In this course, students will learn how to use the computer technology and techniques that are involved in those types of careers. Students will be using Microsoft Word and Google Docs to create a number of communications products that are relevant to most jobs. Items will include a budget spreadsheets, press releases, and professional emails. Students will also create and market their own product. Through this course, students will get a better idea of the skills needed in a communications career.

WORK BASED LEARNING (11-12)**SEMESTER**

Work Based Learning is an on-the-job program designed to give students internship-like experience by working with employers around our community. Students will meet in class for the first week, then 2 Monday's a month throughout the semester. This course will give students a chance to work on their employability skills while making connections that can help them with their future careers. Job opportunities will include courses in agriculture as well as industrial technology, ranging from animal nutrition and agronomy to welding and construction. Students will be required to fill out a form upon registering for the class to guarantee proper job placement.

H=Honors Credit **C**=College Credit **ITV**=Interactive Television

ARTS (VISUAL)

A.C.E. - ART CREATION EXPERIENCE (9-12)

SEMESTER

BASIC SKILLS IN SEVERAL AREAS

Open – Recommended for ALL

Grab some fun exploring many mediums in the visual arts area. This class will expand your basic knowledge and processes in:

- Drawing Study (Shape breakdown, Grid and Direct Observation)
- Painting Methods (Realism – Abstract in Watercolor or Acrylic)
- Ceramics Building (Hand building , Coil and Slab Construction)
- Mosaics Construction (Multi-medium Material Experience)
- Printmaking Process (Exploring a Social Issue - Use of Design)
- Art History (Report & replication)

ADVANCED ART (12)

SEMESTER

INDEPENDENT STUDY – PREREQUISITE REQUIRED

OPEN only to Seniors who wish to expand their area of interest in the ARTS. Prior to sign up the student has to have completed at least three Visual Art Semester classes with a B grade or higher. Will need to apply for approval before registration with Art Instructor.

Student will set up goal objectives and timeline for project completion. Viewing of final projects will be displayed as a group in one of several venues. It is essential that the student be independently motivated because this class may overlap other classes being taught at the same time. Researching material methods, themes, project timelines and reflections are part of this course.

CERAMICS I – II (9-12)-(THIS IS A COMBINED CLASS)

SEMESTER

CERAMICS I – (THESE ARE COMBINED WITH CERAMICS II) Covers basic techniques of clay as an expressive 3D medium. Building processes are introduced with history beginnings to current contemporary sculpture. Areas covered include:

- Pinch Pot Characters
- Slab Construction Containers
- Extruder Creations
- Wheel Throwing Vessels

CERAMICS II - (THESE ARE COMBINED WITH CERAMICS I) This course builds on the basic knowledge acquired in Ceramics I. The student advances to greater building technical skills. They explore more complex clay creations as they research how to implement personal ideas into clay. The student develops proficiency on the potters wheel with form development , expansion into lids, handles, and varied finishing techniques.

DRAWING I – II (9-12)-(THIS IS A COMBINED CLASS) SEMESTER

Drawing I - from pencil to crayons this course builds on student's basic knowledge. They experience a variety of drawing tools, develop better compositions, and learn creative ways to express themselves through their images. Explore artists from past to present and develop new ways to appreciate the ARTs.

Drawing II - reviews and expands on Drawing I concepts. While looking at the foundations of composition and drawing they explore more individual ways to expand their talents.

PAINTING I – II (9-12)-(THIS IS A COMBINED CLASS) SEMESTER

Painting I – (9-12 – THESE ARE A COMBINED CLASS WITH PAINTING II) Is an introduction painting course that covers a wide range of painting mediums and styles. Projects include these mediums with subject matter varied upon class size and interest:

- Watercolor Techniques and Exploration
- Pastels Mixing
- Acrylic on boards to canvas
- Spray Paint current trends

PAINTING II (10-12 – THESE ARE A COMBINED CLASS WITH PAINTING I)

While reviewing foundations of composition and painting basics students will explore new ways to use their skills to a more personal level.

- Watercolor Techniques and Exploration
- Pastels Mixing
- Acrylic on boards to canvas
- Spray Paint current trends

ENGLISH

ENGLISH 9 (9)

YEAR

This course consists of an integrated approach to literature and language. The skills of reading, writing, speech, mechanics, grammar, and usage are all interrelated and will be emphasized in this class. Students will read short stories, poems, a Shakespearean play, novels, and other non-fiction. Class and group discussions, quizzes, or in-class work will follow each of the readings. Emphasis is on writing and vocabulary, modeled from the "6+1 Traits of Writing." Digital Literacy, presentations, essays, and other projects will also be included.

ENGLISH 10 (10)

YEAR

This year-long course uses an integrative approach to develop students' understanding and appreciation of literature and to improve their communication skills. The Minnesota State Reading, Writing, Vocabulary, and Speaking Standards will be covered in this class. The students read and discuss a variety of short stories, poems, plays, novels, and nonfiction while building their writing skills through the study of spelling, vocabulary, grammar, and usage and composition techniques. Students will also give two speeches, one informative and one persuasive, throughout the year. Finally, students will prepare for the State Reading Test by practicing the fundamentals of reading.

Junior Core English

1st Semester Choices (choose 1)

American Literature
War Literature
Multicultural Literature

2nd Semester Choices (choose 1)

Mass Media
Creative Writing
Film
Young Adult Literature
Social & Professional Writing
Speech & Theatre
College Writing

Senior Core English

1st Semester Choices (choose 1)

College Literature
Myths and Legends
Humanities

2nd Semester Choices (choose 1)

Mass Media
Creative Writing
Film
College Supernatural Fiction
Young Adult Literature
Social & Professional Writing
Speech & Theatre

AMERICAN LITERATURE

SEMESTER

Survival, witch-hunts, and racism are only a few of the subjects that describe America's history. In the American Literature course, among other texts, we will read nonfiction from early American authors, explore the hysteria of the Salem witch trials in *The Crucible*, understand the racism of the 1950s in *To Kill a Mockingbird*, and tackle the topic of immigration in *Enrique's Journey*.

WAR LITERATURE**SEMESTER**

War is often described as the most intense thing anyone can ever experience. The novels and stories that deal with war take a look at the physical, mental and psychological aspects of war. This course will take a long look at the human condition, and the effects that war can have on the lives of those involved. Students will also write a research paper on a war topic or American problem.

MULTICULTURAL LITERATURE**SEMESTER**

The purpose of this class is to gain an understanding and appreciation of culture, cultural values, and perspectives by reading works written by authors of a variety of backgrounds and by discussing what we read, writing about major works and creating projects.

COLLEGE WRITING (H, C)**SEMESTER**

Students will write several expository essays after studying models. This course also emphasizes the relationship between logic and rhetoric writing, which culminates in writing an argumentative research paper.

Prerequisite: Pass the Accuplacer assessment and teacher recommendation; Seniors must have a GPA of 2.8 and maintain a "C" average while in the course.

COLLEGE LITERATURE (H, C)**SEMESTER**

Students will gain an appreciation of the literary values of fiction through the study of the novel, short stories, and poetry. Students will write literary essays analyzing the main elements of literature for each.

Prerequisite: Successfully complete College Writing.

COLLEGE SUPERNATURAL FICTION (H, C)**SEMESTER**

This course is an in-depth study of literary texts that fall under the category of horror and/or supernatural fiction. While the focus is on this genre, the course may also address sub-categories of detective fiction, science fiction and fantasy.

Prerequisite: Successfully complete College Writing.

MYTHS AND LEGENDS**SEMESTER**

This course will examine where all of our stories came from. By reading myths and legends from various cultures, students will be introduced to stories that have been the starting point for all storytelling which has led to modern day movies, television shows, and video games.

FILM**SEMESTER**

Film class is a study of the history of film-making, its technology, its directors, stars, and its techniques. A great deal of current event information is read, exchanged, and discussed. We cover film terminology, inventions, dates, and genres, or types of films. We view seven to eight films, including silent, black and white, and color films. We also view and watch a Shakespearean play. We write an actor report, movie reviews, a script for a movie, and a censorship report and do

projects on directors and Academy Awards. We do three speeches in class and also produce a short film.

HUMANITIES

SEMESTER

This course serves as a general introduction to the role that humanities such as the arts, literature and philosophy play in shaping humanity's conception of itself and society. This course serves to expand the student's knowledge of the human condition and human cultures, especially the values expressed in works of human imagination and thought, giving special consideration to Europe, Asia and traditional Native African and American traditions.

MASS MEDIA

SEMESTER

We study mass media of all kinds as well as their effects. Units and projects include newspaper, magazine, music, movies, TV, and advertising techniques.

CREATIVE WRITING

SEMESTER

Creative Writing provides students with opportunities to develop their literary talents. This course includes a study of varied forms of prose and poetry and gives students the experience to write creatively in different genres.

YOUNG ADULT LITERATURE

SEMESTER

The lives of teens and tweens in today's world is one of chaos and drama. This course will read literature that is meant to be read and enjoyed by young people. Many of these novels and stories will deal with real life problems that young people face today, and we will examine these problems through in depth discussion and analysis.

SOCIAL & PROFESSIONAL WRITING

SEMESTER

Intending to work in the future? Planning on being successful? Essential English can help you write a resume, craft a cover letter, and research a career. In the course, we will also learn how to use today's technology (social media sites, Twitter, videos) to market yourself and get ahead in our competitive, digital world.

SPEECH & THEATRE (H,C)

SEMESTER

This class includes several speech activities such as personal experience, pet peeve, introduction of a classmate, persuasive, and a body language unit as well as pantomime and acting activities. We will cover theatre terminology and audition for and produce a short play. This is for college credit.

Prerequisite: Pass the Accuplacer assessment and teacher recommendation; Seniors must have a GPA of 2.8 and maintain a "C" average while in the course.

H=Honors Credit **C**=College Credit **ITV**=Interactive Television

FAMILY AND CONSUMER SCIENCE

INTERIOR DESIGN (9-12)

SEMESTER

Do you have an eye for design? Are the aesthetics of your surroundings important to you? This course is designed to help you understand your own housing needs and help in making decisions about your own home. Course content provides opportunities for students to explore housing styles, elements and principles of design; space planning by creating functional, safe and aesthetic spaces for individuals and families, furniture style; and careers in the field of interior design. This course includes a variety of hands on design projects.

FOODS AND NUTRITION (10-12)

SEMESTER

This course will introduce you to the world of food. You will learn about the latest recommendations of the food pyramid and your personal food needs. Basic culinary skills will also be taught and practiced through foods lab experiences. You are what you eat so come discover the nutrients in your favorite foods.

RESTAURANT SKILLS (11-12)

SEMESTER

Just as the name indicates, this course is focussed on learning about the restaurant world. Students will learn about career opportunities in the culinary field, prepare a variety of different foods, practice roles of restaurant staff: host/hostess, cashier, bussing, dishwashing, server, manager, prep cook, line cook, dessert chef, sous chef and head chef as well as serve prepared food to staff and other guests. Students will learn about calculating food costs to determine cost of meals/meal pricing/profit and create market orders while practicing professional dress and sanitation procedures. Course includes guest speakers and field trips.

Class Fee: May include lab fee for chef coat and hat.

Prerequisites: Foods and Nutrition, Culinary Arts and Teacher Approval

*Students must complete an application from the instructor and seek approval from instructor and administration to enroll in this course.

CULINARY ARTS (10-12)

SEMESTER

Take your culinary skills to a higher level through this course. Culinary Arts will expand on the basics learned in Foods and Nutrition as well as give you an opportunity to demonstrate your skills and creativity through a variety of "Top Chef" food challenges. Units of study will include: breads, soups, pasta, appetizers, pies and pastries, cakes, cookies and candies breakfast, and international foods. Lots of hands on application, student choice labs and food sampling will be included.

Prerequisite: Foods and Nutrition

HUMAN RELATIONS (10-12)

SEMESTER

This course is designed to provide the student with a framework for developing and maintaining healthy relationships within a social and/or work structure. The development of positive people skills is emphasized and other topics covered include: self-esteem, stress, assertive behavior, self- assessment, equity issues, the decision making process, interpersonal communication skills and study of the rich diversity of our world's cultures.

CHILD DEVELOPMENT I (10-12)**SEMESTER**

This course is a study of the physical, social, emotional and intellectual needs of children. The course follows human development from birth through adolescence. The course also focuses on exceptional children and the importance of good parenting in today's society. Each student will experience parenting for 72 hours with the Baby Think It Over infant simulator.

CHILDCARE CAREERS (10-12)**SEMESTER**

This course will take you beyond the topics covered in Child Development I by observation and visits to various preschool and classrooms. You'll be asked to observe, evaluate and participate in activities, as well as creating your own lesson plans with preschool, elementary, or even middle school students! If you are interested in a career dealing with young children and/or families, this is a good class for you.

Prerequisite: Child Development I

TEXTILES (9-12)**SEMESTER**

Interested in learning more about textiles while exploring, designing, creating, and constructing? Students will learn about the details of fibers and textiles and how it affects clothing choices and construction. The primary units of study are textile and apparel industry, sewing skills, fibers, consumer choices, and quilting. This course is recommended for innovative, artistic students!

FASHION DESIGN (9-12)**SEMESTER**

This course is the study of the history of fashion to present day trends, including basic sewing techniques and garment production. The primary units of study include history of fashion, the basic elements of art and sketches, and operation of a sewing machine. Students will construct several different products in the areas of garments and accessories. This course is recommended for students who are creative and have an eye for fashion!

Prerequisite: Textiles.

H=Honors Credit **C**=College Credit **ITV**=Interactive Television

INDUSTRIAL TECHNOLOGY

HOUSE WIRING 1 (9-12)

SEMESTER

This is a beginning course in electricity. Emphasis is on practical applications in house wiring, meters and circuits. If you are planning a career as an electrician, a lineman, or becoming a homeowner and doing some of your own wiring, take this course. At least 50% of the class is "hands on" working with tools, test equipment and circuits.

Prerequisite: None

INDEPENDENT STUDY HOUSE WIRING (10-12)

2nd SEMESTER

This advanced level House Wiring class puts the skills learned in House Wiring 1 to practical use as you're learning more advanced principles. Many application projects both in the classroom and out in the school building will be utilized real world application. You must be able to work independently and with a minimum of supervision.

Prerequisite: House Wiring 1, Instructor Approval

HOME IMPROVEMENT "101" (10-12)

SEMESTER

This is the ideal class for someone who plans on being a homeowner or just "handy around the house". This is a beginning class and will include at least 50% hands-on activities. Areas covered will include: simple electrical, basic plumbing, wall repairs, painting & varnishing, hinges & hardware, tool usage identification and basics, house financing/insurance & loans and "whole lot more".

Prerequisite: none

SMALL ENGINES 1 (9-12)

SEMESTER

This Small Engines course is designed to introduce the student to sources of power in American technology and industry. You will study the design and function of small engines and rebuild an overhead valve small engine. Briggs and Stratton engines, provided by the school, will run when you start the class. These engines are completely disassembled, analyzed and reassembled. The engines are then run again before you end the class.

Prerequisite: None

SMALL ENGINES 2 (9-12)

SEMESTER

This class expands upon the basic knowledge learned in Small Engines I. The class covers 4-cycle Overhead Valve Twin Cylinder engines, Two Cycle engines, and introduces snowmobile and marine engines.

Prerequisite: Small Engines 1

SMALL ENGINES 2 IS (Independent Study) (10-12)

SEMESTER

This advanced standing small engines class is designed for the student who desires a more in-depth knowledge of twin cylinder 4 cycle overhead valve, snowmobile, or marine engine. The student will perform a very short review based on Small Engines 2 and then proceed to a more extensive engine removal, overhaul and

replacement of an overhead valve 4-cycle, marine or snowmobile engine. The ability to work independently is important.

Prerequisite: Small Engines 1 and 2, Instructor Approval

AUTOMOTIVE MAINTENANCE 1 (10-12)

SEMESTER

Autos 1 will acquaint the student with the basic parts, maintenance, insurance, financing, and purchasing of an automobile. Major systems covered include: ignition, cooling, lubrication, fuel, electrical, and computer systems. This is an excellent course for anyone who will own an automobile whether the work on the vehicle themselves or bring it to a service facility. Access to a vehicle on which to work is helpful but not required.

Prerequisite: Not after or during Advanced Auto

ADVANCED AUTOMOTIVE (10-12)

SEMESTER

This course is designed for the student who would like to work on vehicles and is planning on entering a related technical field (Tech College, College, or the world of work). Access to vehicle on which to work is recommended but not required. .

Prerequisite: Auto Maintenance 1

AUTO INDEPENDENT STUDY (11-12)

SEMESTER

This course expands upon the knowledge learned in Auto 1 and Advanced Auto. The student will be allowed and expected to study in more detail a specific agreed-upon area to better understand the automotive field.

Prerequisite: Auto Maintenance 1, Advanced Auto, Instructor Approval

BASIC AUTO BODY (10-12)

SEMESTER

This basic auto body course covers: Auto Body Welding, Sheet Metal Techniques, Body Fillers, Reinforced Fiberglass, Spot Putty and Primers. This being a basic class, spot welding with wire-feed welders is emphasized and practiced heavily. Body work will be confined to fenders and panels supplied by the school. Paint work will be using primer. Over 50% of the class will be lab work.

Prerequisite: None

WOOD TECHNOLOGY I (9-12)

SEMESTER

Wood Technology I is the introductory course to woodworking. You will learn the fundamentals of working effectively and safety with many of the hand and power tools in which you will be applying many of the principles which you have learned in your math and science classes to plan, fabricate and finish wood product or products which you design. You will be offered insight into many interesting careers in the wood and wood products industry. No previous woodworking experience is necessary.

Prerequisite: None

WOOD TECHNOLOGY II (9-12)

SEMESTER

Wood Technology II consists of an introduction and a more in-depth study of woodworking and the furniture industry. You will learn how to maintain

machines and tools and to accomplish advanced shaping, forming, and assembly techniques. You will design, fabricate, and finish a product of your choice as a requirement of this course. A portion of the class will be spent in career exploration.

Prerequisite: Wood Technology I

SPECIAL PROBLEMS IN WOOD TECHNOLOGY (10-12)

SEMESTER

This class will allow you to advance one step beyond Wood Technology II. You will be able to experience being an assistant instructor, as well as, design and construct a product of an advanced nature.

Prerequisite: Wood Technology II and Teacher Approval

INDEPENDENT WOODS (11-12)

SEMESTER

This is a continuation of woodworking study and development. The students will be assigned independent projects as needed. The student is expected to be an independent learner and good manager of time.

Prerequisite: Special Problems in Wood Technology and Teacher Approval.

CARPENTRY (11-12)

SEMESTER

Carpentry is designed to be exploratory in nature. It is the natural step between high school and vocational school, working in a construction career or becoming a homeowner and doing some of your own remodeling. You will be offered ideas for planning and organizing with special emphasis placed on the knowledge of the types and uses of the various materials and the tools, which are used in construction. You will study home planning, blueprint reading, cabinet making, and building construction techniques, as well as, material utilization, types and grades. Technical college credit will be awarded for those who complete the requirements.

Prerequisite: Wood Technology I and II

MECHATRONICS 1 (9-12) (H)

SEMESTER

This class is a combination of Electronics, Hydraulics & Robotics. Basic electronic principles are covered and then the class progresses to hydraulic, pneumatic and robotic principles. Mechatronics combines mechanical, electronic, and information technology into a single discipline that overlaps traditional boundaries. People interested in Mechatronics need to be curious and want to know how and why things work.

Prerequisite: None

MECHATRONICS 2 (9-12) (H)

SEMESTER

This advanced class includes a small amount of Electronics (unlike Mechatronics 1) and deals more heavily with hydraulics and pneumatics. The Automation Xpert program is utilized and hands-on hydraulics and pneumatics equipment is emphasized. VEX Robotics program will be used as well as Festo commercial and institutional pumps, controls, lines, actuators and sensors.

Prerequisite: Mechatronics 1

COMPUTER AIDED DRAFTING I (CAD I) (9-12)

SEMESTER

The Computer Aided Drafting (CAD) class will introduce students to a rapidly expanding area within the CAD-drafting field. Students will have the opportunity to use CAD software on the computers. The students will get a sampling of mechanical, as well as, architectural assignments using 3-D Home Architect and Interiors, Gibbs Cam software and other CAD software.

INTRO TO METALS (9-12)

SEMESTER

This basic metals course gives you the proper foundation for the metalworking area. Proper safety and planning procedures will be stressed. Soldering, gas welding and sheet metal work. Arc welding will be introduced for further use in later classes.

Prerequisite: None

METAL TECHNOLOGY 1 (9-12)

SEMESTER

Metal Technology 1 is designed to introduce you to modern equipment and technological processes for metal fabrication. You will develop basic skills by using metal working tools and equipment. Upon completion of introductory exercises you will apply these skills toward the fabrication of products or repair and modification of many different items. Areas covered include Metalworking, Gas and arc welding and MIG.

Prerequisite: Intro to Metals

METAL TECHNOLOGY 2 (10-12)

SEMESTER

In Metals 2 a brief review of safety and shop procedures is followed by more in depth shop work, Gas and Arc welding are covered, as are hand and power tools. In addition to more advanced levels in Metalworking, Lathe Work Vertical Mill and Metal fabrication, SMAW and MIG are introduced.

Prerequisite: Intro to Metals and Metal Technology 1

INDEPENDENT METALS (11-12)

SEMESTER

This course is a continuation of metalworking study and skill development. Students will research projects of their choice and submit them for approval or the instructor may assign them a project. The student is expected to be an independent learner, hard worker and good manager of time. May be repeated as class space allows.

Prerequisite: Metal Technology 1 also Instructor Approval

MATHEMATICS

Current Course	Get into	STAR	MCA	Math GPA	Overall GPA	Additional Requirements
S1: Math 7	S2: Math 7+	> 870	≥ 655	N/A	N/A	Teacher Recommendation
Math 7 or Math 7+	Algebra 8+	> 894	≥760	≥ 3.6	N/A	Teacher Recommendation
Algebra 8+	Geometry 9+	> 904	≥ 860	≥ 3.3	N/A	
Geometry 9+	Advanced Algebra 10+	> 912	N/A	≥ 3.0	N/A	
Advanced Algebra 10+	College Algebra College Statistics	> 922	N/A	≥ 3.0	≥ 3.4	≥ 22 on ACT (when available) (if STAR requirement not met) Accuplacer: College Level Math Score ≥ 50 or Intermediate Algebra Score ≥ 60 to qualify for College Algebra. College Level Math Score ≥ 76 or Calc Readiness Score ≥ 14 to qualify for College Statistics.
Algebra II	College Algebra College Statistics	N/A	≥ 1150	≥ 2.8	≥ 3.2	≥ 2.0 in previous College Math Course Accuplacer: College Level Math Score ≥ 50 or Intermediate Algebra Score ≥ 60 to qualify for College Algebra or ACT Math Sub Score ≥ 22 (when available). College Level Math Score ≥ 76 or Calc Readiness Score ≥ 14 to qualify for College Statistics or ACT Math Sub Score ≥ 25 (when available).
College Algebra	S1: College Trigonometry S2: College Calculus	N/A	N/A	N/A	N/A	≥ 2.0 in previous College Math Course

STAR testing for all students in the fall and winter. Spring testing upon teacher request.

Students transferring to Melrose will have their transcript evaluated on a case by case basis to determine academic placement. The transcript information will be reviewed by the high school principal, counselor and a member of the appropriate department.

In order for a student to be eligible to take any Melrose college class offerings, the student must successfully complete all Melrose pre-requisite course offerings on Melrose's campus.

ALGEBRA I: CONCEPTS AND SKILLS**YEAR**

The basic instructional plan in Algebra 1: Concepts and Skills is designed for students who are achieving at or near grade level, we want them to develop sufficient computational, procedural and problem solving skills to provide a solid foundation for further study in mathematics. The material is organized so that much of the differentiation is built into the design of the program. Developing Concepts provide students with models for conceptual understanding of the mathematical reasoning behind each key concept. Mathematical reasoning is stressed throughout each chapter.

Prerequisite: Teacher Recommendation

ALGEBRA Ib**YEAR**

Algebra Ib is a continuation of the study of linear algebra concepts and skills covered in Algebra Ia (eighth grade). You will review and refine solving linear equations and inequalities, and linear functions. The study of functions is expanded to include quadratic, exponential, radical, and rational functions. Algebra is connected to data through the study of probability and data analysis.

Prerequisite: Algebra Ia or equivalent pre-algebra course

GEOMETRY 9+ (H)**YEAR**

Students in this course will acquire: knowledge of the basic concepts of geometry including postulates and theorems, ability to apply geometric facts to real world problems, skills in mathematical problem solving, experience in the process of conjecture and proof including multiple styles of proof, coordinate geometry, and experience using technology to explore and discover geometric facts.

Prerequisite: See prerequisites table on page 23

GEOMETRY (H)**YEAR**

Basic foundations of geometric concepts will pave the way to geometric reasoning and mathematical proof. Knowledge of coordinate geometry, polygons, similarity, and right triangle trigonometry will be taught and expanded to include real world problems.

Prerequisite: Algebra Ib or Algebra 8+

Advanced Algebra 10+ (H)**YEAR**

Students in this course will advance their understanding of algebra skills learned in previous classes including: linear, quadratic, and radical functions. They will also explore polynomial, exponential, and logarithmic functions, and using matrices to solve systems of equations. The goals of the class include: impressing on the student that algebra is based upon properties of numbers and is not a collection of unfounded rules for manipulation of symbols, also to provide an adequate background for more advanced courses in mathematics.

Prerequisite: See prerequisites table on page 23

ALGEBRA II (H)**YEAR**

A continuation of skills taught in Algebra I. Students will expand their study of linear functions. They will advance to quadratic, polynomial, rational, and radical functions. The concepts will give way to meaningful real world applications.

Prerequisite: Geometry or Geometry 9+

COLLEGE ALGEBRA (11-12) (H, C) **SEMESTER**

This course includes rational, polynomial, exponential, logarithmic, inverse and quadratic functions. The course also includes equations, inequalities, complex numbers and systems of linear equations. Additional topics may include matrices and determinants.

Prerequisite: See prerequisite table on page 23

COLLEGE STATISTICS (11-12) (H, C) **SEMESTER**

This course is an introduction to statistics. Topics include data summary, frequency distributions, plots, graphs, and measures of central tendency, variations, probabilities, probability distributions, and confidence intervals. Hypothesis testing of means, proportions, and variances will be conducted using z-test, t-test, chi-square test, f-test and Anova.

Prerequisite: See prerequisite table on page 23

COLLEGE TRIGONOMETRY (11-12) (H, C) **SEMESTER**

This course includes trigonometric functions, right triangle trigonometry, radian measure and circular functions, identities, equations, inverse functions, oblique triangles, complex numbers, vectors, polar coordinates and conic sections.

Prerequisite: College Algebra.

COLLEGE CALCULUS (11-12) (H, C) **SEMESTER**

This course covers the fundamentals of a first semester calculus course, which any college freshman entering the fields of engineering, the physical sciences, business, economics, and the life sciences may encounter. Topics to be covered are continuity and limits of functions, differentiation, and integration.

Prerequisite: Trigonometry.

MUSIC

SYMPHONIC BAND(9-10)

YEAR

The Symphonic Band is the entry-level ensemble of the high school band program (9th and 10th Graders). Successful completion of 7th and 8th grade band and/or the ability to demonstrate proficiency on the instrument at the ability level of 9th grade is the prerequisite. Students will further develop skills and abilities in instrumental music according to the curriculum. Students must be in the band all year consecutively each quarter and present for daily band rehearsals to receive credit and advance to the next band. Emphasis is placed on ensemble playing, but solo performance and the enhancement of individual skills will also be strongly encouraged. Students may receive individual lessons on their specific instruments. The Symphonic Band prepares for three regular concerts, Memorial Day, large group contest, and graduation. Participation in the solo/ensemble contest is encouraged. Other performance opportunities include brass and woodwind choirs, percussion ensembles, and a multitude of small chamber ensembles.

Prerequisite: Successful completion of 7th and 8th grade band.

CONCERT BAND(11-12)

YEAR

The Concert Band is the most advanced of the high school band program. Students must be in the band all year consecutively each quarter and present for daily band rehearsals to receive credit. Emphasis will be placed on ensemble performance while also enhancing individual skills according to the curriculum. Students may receive individual lessons on their specific instruments at least twice per quarter. The Concert Band prepares for three regular concerts, Veteran's Day, Memorial Day, large group contest, solo and ensemble contest, and Graduation each year. Every other year the Concert Band has a traveling opportunity. Other performance opportunities include Jazz Band, brass ensemble and woodwind choirs, percussion ensembles, and a multitude of small chamber ensembles.

Prerequisite: Successful completion of 7th thru 10th grade band.

JAZZ BAND (9-12)

YEAR

The Jazz Band is a combination of students in both the Symphonic and Concert band. The main focus will be performance and the study of jazz music. All instruments are accepted. Students will learn how to improvise, solo and understand the forms and history of jazz music. The group will perform at concerts, festivals, and contests and also may travel with the music department.

Prerequisite: Must be enrolled in Concert or Symphonic Band.

CONCERT CHOIR (9-12)

YEAR

The Concert Choir is a singing group open to all students in grades 9-12. This choir will continue to build upon and apply the vocal skills and music reading skills acquired in earlier choral experiences. The Concert Choir is the primary performing group of the high school program. Students will sing arrangements both accompanied and a capella. There are three required concerts throughout the year, plus a performance at the Veteran's Day program, graduation and large group contest. Small ensembles are available to students who wish to devote more time to singing. Participation in the District Solo/Ensemble contest is strongly encouraged but not required.

Prerequisite: Students must audition with the Instructor.

H=Honors Credit **C**=College Credit **ITV**=Interactive Television

PHYSICAL EDUCATION AND HEALTH

10TH GRADE PHYSICAL EDUCATION/HEALTH (10-12)

YEAR

The sophomore physical education curriculum will consist of the following activities; flag football, ultimate Frisbee, tennis, volleyball, team handball, basketball, bowling, softball, swimming, racket sports, lacrosse, aerobic exercise and fitness testing. Daily fitness will be emphasized along with development of personalized strength training, program that will be incorporated weekly throughout the year. There will be 9 weeks of health education covering CPR, first aid, HIV/AIDS and other infections, nutrition and cardiovascular disease (CVD).

-An anti-bullying program, entitled Olweus, is also part of the PE/Health curriculum in 9th and 10th grade.

9TH GRADE PHYSICAL EDUCATION/Health (9-12)

YEAR

The freshman physical education curriculum will consist of a variety of activities. Some of the activities include Ultimate Frisbee, Swimming/pool activities, Flag Football, Soccer, Volleyball, Dance, tennis, racket sports, Basketball, Bowling and Golf. An emphasis on developing a lifelong fitness level will be incorporated into our weekly units with weight training and personal aerobic fitness sessions one to two days per week.

-The 9th grade health curriculum consists of three units, each of which are three weeks in length. In the first two sessions we cover four body systems and body composition. The last unit is a project-based disease unit.

-An anti-bullying program, entitled Olweus, is also part of the PE/Health curriculum in 9th and 10th grade.

FITNESS FOR LIFE (11-12)

SEMESTER

This class is for juniors and seniors who have demonstrated a great interest in personal fitness. This activity class will focus heavily on health-related fitness and its components: aerobic endurance, muscular strength, muscular endurance, agility, balance, flexibility and coordination. There will be theory discussion on a wide range of health, fitness, and sports topics such as: Nutrition, Sportsmanship, Leadership, Care and Prevention of Injuries, First Aid, CPR Review and Officiating.

MISC ELECTIVES:

INTRODUCTION TO EDUCATION (11-12)

SEMESTER

Introduction to Education is an introduction to early childhood, elementary, and secondary education for students interested in teaching. The course includes the study of historical and social foundations of education topics such as inquiry into the teaching and learning process, schools in a multicultural and diverse society, the profession of teaching principles of cooperative group learning and cultural differences, communication, and stereotyping. Fifteen hours of field experience is required. Optional college credit available - see Ms. Dusha for more information.

H=Honors Credit **C**=College Credit **ITV**=Interactive Television

SCIENCE

BIOLOGY I (10) (H)

SEMESTER

Biology is the study of living things and their interactions with other living things and the environment. Major topics include: Cell Parts & Functions, Change through Time, and Genetics. Students perform laboratory activities throughout the course where appropriate.

BIOLOGY II (11-12) (H)

SEMESTER

Biology is the study of living things and their interactions with other living things and the environment. Major topics include: General Characteristics of Living Things, Principles of Ecology, The Diversity of Life, and Human Biology. Students perform laboratory activities throughout the course where appropriate.

COLLEGE ANATOMY (11-12) (H,C)

SEMESTER

This course is a comprehensive introductory overview of human anatomy and physiology that includes basic fundamental concepts of cell biology, tissues and organs making up the integumentary, skeletal, muscular and nervous systems. This course is the first of a two-semester sequence in which anatomy and physiology are studied with an emphasis on structure and functions of systems. This course consists of lecture and laboratory components.

Option: Medical Terminology – Independent study.

This course will enable students to interpret medical abbreviations, and to define and pronounce medical terms. Students will accomplish this by memorizing word parts and medical abbreviations. Students will learn the rules for separating medical terms into their word parts.

Prerequisite: Student must pass the Accuplacer assessment; Juniors must have a GPA of 3.2 & Seniors must have a GPA of 2.8 and maintain a "C" average while in the course.

COLLEGE BIOLOGY (11-12)(H, C)

YEAR

Part one of this course emphasizes cellular study including its basic organization, metabolic activities, reproduction, and heredity. Genetics principles are also included in this course. Lab work involves biochemical activity, microscope work, and genetic principles. Part two emphasizes the study of the entire organism with the special emphasis on animal systems and requirements for life. Lab work involves animal dissection and comparisons. Part three emphasizes plants and ecological interactions. Lab work includes plant systems and individual projects.

Prerequisite: Pass the Accuplacer assessment; Juniors must have a GPA of 3.2 & Seniors must have a GPA of 2.8 and maintain a "C" average while in the course.

COLLEGE CHEMISTRY (11-12)(H, C)

SEMESTER

Course deals with substances, their structures and properties, the changes they undergo and the laws that govern those changes. Intended for prospective elementary teachers, non-science majors and those who need background for General Chemistry. This course includes a lab.

Prerequisite: Student must pass the Accuplacer assessment; Juniors must have a GPA of 3.2 & Seniors must have a GPA of 2.8 and maintain a "C" average while in the course.

COLLEGE CONCEPTUAL PHYSICS (11-12)(H, C)**SEMESTER**

This is a demonstration-based course that provides an introduction to selected topics in classical and modern physics. Topics will include measurement and significant digits, graphing, dimensional analysis, mechanics of motion, vibrations, waves, sound, electricity and magnetism, light and optics, atomic physics and atomic spectra, lasers and optical fibers, nuclear physics and radiation. The course uses active learning techniques with lab-like experiences. It uses many demonstrations and instructor-guided small group problem-solving activities. Simple algebra is used to ensure that students grasp the course concepts. This course is intended for all students but is especially designed for non-science majors who want an appreciation of and a limited working knowledge in some major areas of physics.

Prerequisite: Enrolled in or taken College Algebra. Pass the Accuplacer assessment, Juniors have a GPA of 3.2 & Seniors have a GPA of 2.8 and maintain a "C" average while in the course.

EARTH & SPACE SCIENCE (11-12)**SEMESTER**

This class will cover concepts dealing with our solar system, stars, and galaxies within the universe. The concepts would include the appearance of the night sky, constellation identification, planetary motion, physical properties of planets, the moon, sun and minor bodies. Also included into the curriculum would be the scale of the universe; distance, structure and evolution of stars; the Milky Way and other galaxies. Areas studied in meteorology will be dealing with the effect of the weather and climate on the environment and how certain predictions can be made regarding the weather of an area.

GENERAL CHEMISTRY (10)**SEMESTER**

Chemistry provides students an opportunity to explore applications of chemistry and learn basic concepts in chemistry. Applications will focus on chemistry in the environment and carbon chemistry, including biochemistry.

MICROBIOLOGY (11-12) (H)**SEMESTER**

Microbiology is a lab-oriented class in the study of microorganisms. The primary area of study is on bacteria, where the students learn a number of different microscopic techniques in the preparation of bacteria. Other areas studied are viruses, fungi, and protozoa. The class is primarily microscopic lab work. This course is particularly appropriate for anyone entering the field of study in the health sciences.

PHYSICAL SCIENCE 9 (9)**YEAR**

Physical Science is composed of two major branches of science, Chemistry and Physics. Chemistry is the study of the properties of matter and the reactions through which matter is changed from one substance into another. Physics is the study of the forms and properties of energy. Students perform laboratory activities throughout the course where appropriate.

H=Honors Credit **C**=College Credit **ITV**=Interactive Television

SOCIAL STUDIES

AMERICAN PROBLEMS (11-12)

SEMESTER

This current events based class is a study of American Problems, which face Americans today. We will analyze problems that the students feel are important. We look at a wide array of current issues and events. This includes, but is not limited to, immigration, abuse, terrorism, health care, education policy, the impact of the media, and many other things.

AMERICAN GOVERNMENT/ECONOMICS (12) (H)

YEAR

1 semester of American Government: This course consists of: the practical application or implementation of the Constitutional plan of government in the United States; a study of the executive, legislative, and judicial processes; American election procedures, amendments, the representative and democratic process, majority rule and minority rights; and the study of the system of guarantees, protection of the law and the rights of the citizen; and the exploration and application of political ideology.

1 semester of Economics: All countries and communities throughout history and the world today are faced with the same challenge: how to satisfy unlimited wants, with limited resources. This course is designed to show you what happens because this challenge exists, and the different methods that have been used to meet this challenge. This course is about decision making, and spending your resources in the right place. In addition, we will learn about other institutions and problems that arise as the basic economic questions are answered. If you use this information correctly, you will see the world in a different way, you will have a better understanding of how the world works, and you will have a head start on success.

COLLEGE ECONOMICS (12) (H, C, ITV)

SEMESTER

A study concerning the economy as a whole which includes national income analysis, fiscal policy, money and banking, monetary policy, international trade, and analysis of economic problems. This course is designed to give students a deeper understanding of how the economies of the world are connected and interact with each other and how those interactions affect us on a day-to-day basis.

Prerequisite: Economics, INSTRUCTOR APPROVAL ONLY! Must pass the Accuplacer assessment; Seniors must have a GPA of 2.8 and maintain a "C" average while in the course.

COLLEGE PSYCHOLOGY (11-12) (H, C)

SEMESTER

This is a comprehensive introductory overview of psychology that studies human behavior and mental processes. Course topics include: history of psychology, research methods, theories of human behavior, the physiological basis of behavior, sensation, perception, behavioral learning, memory, problem solving, language development, personality theory, intelligence, the influence of groups on the behavior of individuals and altered states of consciousness such as sleep and dreams.

Prerequisites: Must pass Accuplacer assessment; Juniors must have a G.P.A. of 3.2 and Seniors must have a G.P.A. of 2.8 and maintain a "C" average while in the course to receive college credit.

COLLEGE DEVELOPMENTAL PSYCHOLOGY (11-12) (H, C) **SEMESTER**

This course is a study of the development from the life span perspective, including theories, stages and influences of development. The course views the individual from conception to death through physical, social, emotional and mental development.

Course topics include: current research as relevant to lifespan development; traditional and life-span perspective; integration of genetics and environmental influences; analyze the integration of physical, cognitive, and social-emotional development from infancy to late adulthood; examine issues surrounding death and dying.

Prerequisites: Psychology and must pass Accuplacer assessment; Juniors must have a G.P.A. of 3.2 and Seniors must have a G.P.A. of 2.8 and maintain a "C" average while in the course to receive college credit.

COLLEGE ABNORMAL PSYCHOLOGY (11-12) (H, C) **SEMESTER**

This course is an introduction to the diagnosis, etiology and treatment of maladaptive behavior. The course will include historical and theoretical approaches, prevention and community resources.

Course topics include: research methods and theories used historically and today, differentiate between major types of mental health diagnoses, understand and apply the five axes of the Diagnostic and Statistical Manual of Mental Disorders to case studies, examine pros and cons of deinstitutionalization, discuss ethics and stereotypes related to mental illness.

Prerequisites: Psychology and must pass Accuplacer assessment; Juniors must have a G.P.A. of 3.2 and Seniors must have a G.P.A. of 2.8 and maintain a "C" average while in the course to receive college credit.

COLLEGE SOCIOLOGY (11-12) (H, C) **SEMESTER**

This course stresses acquiring an enriched understanding of social issues and prospects for improving them. Students will investigate American culture and values, socialization and the different forces that teach us how to act in society, deviance and exploring why people are deviant, and social stratification and different economic levels of society. We will use different sociological theories and methods to help explain why large groups people behave the way they do. This course will open your eyes to reasons behind the behaviors of people in America and around the world.

Prerequisites: Must pass Accuplacer assessment; Juniors must have a G.P.A. of 3.2 and Seniors must have a G.P.A. of 2.8 and maintain a "C" average while in the course to receive college credit.

REAL WORLD GEOGRAPHY I (11-12) **SEMESTER**

Geography is everywhere! The main objective of this course is to assist students in realizing that Geography is everywhere. The class will study Political, Population, Urban, Economic, Agricultural, Environmental, and Cultural Geography. We will study how these relate to the people and places around us. Topics to be studied: China, Conflicts around the World, Terrorism, Developing Countries, Cities, Census,

The Population debate, Immigration, Migration, Refugees, and ever so challenging Geography trivia.

HISTORY THROUGH FILM (11-12)

SEMESTER

The purpose of this course is to show History (World and US) through Hollywood Films and Documentaries. The class will cover the following themes: Eastern Civilization, Western Civilization, Warfare, Role of Women, and Abuse of Power. The final project will be for you to create a legacy project which will include interviewing a relative and creating a film of your own. We will also explore the accuracy and inaccuracies of each of the films that we watch.

SOCIAL STUDIES (9)

YEAR

Welcome to Social 9! We will be attempting to cover American History from the first Americans through the War of 1812. Being a responsible citizen is emphasized throughout the course.

Course Content includes: Geography, First Americans, Exploration & Discovery, English Colonies, Revolutionary War, Creating a Republic, U.S. Constitution, Government, and the Age of Jefferson.

U.S. HISTORY (10) (H)

YEAR

A thorough study of United States history from the civil war to the present. The journey through United States history will be a process of exploring the hopes, ideas, and fears that have driven Americans from the past up to the present.

Topics studied include the civil war and reconstruction; the west and immigration; World War I, The Great Depression, World War II, The Civil Rights Movement, The Cold War, and Vietnam Era.

The goal of the class is to help students link the past to your life today and to your future.

WORLD HISTORY/CAREERS (11)

YEAR

World History

To understand how the world works, we must first try to understand the people in it. If we can understand how people live, and why they live the way they do; we may be able to understand how we can all live together. The study of world cultures is our attempt at understanding how other cultures of the world once lived, developed, and continue to live today. In this course we will analyze groups of people that have existed throughout history and relate their methods and accomplishments to our lives. Our goal is to learn about other cultures and recognize how we can connect that knowledge to events currently happening in our world.

Careers

During this unit students will have time to explore situations and opportunities that will arise after graduation. Students will: learn to set goals, identify strengths and weaknesses, analyze many occupations, explore training options after high school, research ways to obtain financial aid, and develop skills necessary for entering the workforce.

H=Honors Credit **C**=College Credit **ITV**=Interactive Television

WORLD LANGUAGE

GERMAN I (9-12) (ITV, H)

YEAR

This course introduces students to the basics of spoken and written German and students may obtain Honors Credit. The main focus of the course will be to develop conversational skills to allow communication on an elementary level with a native speaker about everyday subjects. We will study the culture of German-speaking countries and learn about similarities and differences with the hope of contributing to greater international understanding. Students will have the opportunity to host a German student from our partnership schools for one to two weeks.

GERMAN II (10-12) (ITV, H)

YEAR

German II expands on the speaking skills learned in German I, adding practical skills like shopping, ordering food in a restaurant, and general skills needed to function in a German-speaking country. Students may obtain Honors Credit for this course. Students will be further exposed to the rich cultural heritage of German-speaking countries. Reading and writing skills will also be improved upon. Students will have the opportunity to host a German student from our partnership schools for one to two weeks. Juniors and seniors can apply to participate in the annual four week GAPP (German-American Partnership Program) Exchange to Germany upon recommendation from their teachers.

Prerequisite: German I (With a grade of C or better)

GERMAN III (11-12) (H,C)

YEAR

This is a first year college level (as well as Honors Credit) course, which reviews the principles of grammar and syntax, and students will reinforce and further all skills of foreign language learning (Speaking, Writing, Reading, Listening). Viewing, discussing and writing about contemporary films will add to understanding of German culture. The option of hosting a German student from our partnership schools for one to two weeks is available. At the end of this course, students will receive four semester college credits from Fond du Lac Tribal and Community College.

Prerequisite: German II. To receive college credit: Pass the Accuplacer assessment; Juniors must have a GPA of 3.2 & Seniors must have a GPA of 2.8 and maintain a "C" average while in the course.

GERMAN IV (12) (H,C)

YEAR

This college level (as well as Honors Credit) course will further develop mastery of the four skills - understanding through listening, reading, speaking, and writing. Students will read from modern and classical literatures as well as from contemporary media. Successful completion of this class enables students to continue their German studies at the university level. Options of hosting and participating in the summer GAPP exchange study trip to Europe are available. At the end of this course, students will receive four semester college credits from Fond du Lac Tribal and Community College.

Prerequisite: German III. To receive college credit: Pass the Accuplacer assessment; Juniors must have a GPA of 3.2 & Seniors must have a GPA of 2.8 and maintain a "C" average while in the course.

SPANISH I (9-12) (H)

YEAR

This course is a prerequisite in order to obtain four (4) semester college credits as a Junior or Senior in Spanish. This course also qualifies as a Honors Credit. The primary

focus is developing fundamental conversational skills while gaining the ability to read, listen, speak and write in Spanish. Students will concentrate on working vocabulary and an understanding of the basic elements of Spanish grammar. Spanish I also provides a detailed look at the cultures of Latin America and Spain.

SPANISH II (10-12) (H)

YEAR

This course is a prerequisite in order to obtain four (4) semester college credits as a Junior or Senior in Spanish. This course also qualifies as a Honors Credit. Spanish II expands upon the basic skills learned in Spanish I. Students will develop more sophisticated conversational patterns. More complex grammar will be taught with an emphasis on verbs and their tenses. Students will also increase their knowledge base of Spanish speaking cultures. Students will have the option of participating in the annual MHS Spanish trip abroad; destinations include numerous countries in Central and South America as well as Europe.

Prerequisite: Spanish I ("C" or better)

SPANISH III (11-12) (H, C)

YEAR

This course offers four semester college credits from Fond du Lac Community College and also qualifies as a Honors Credit. Students will be introduced to a more complex grammatical structure. The students will be able to apply their acquired knowledge through the use of short stories and skits that pertain to their everyday lives. The students will further their proficiency in communicative skills in cultural settings. Students will have the option of participating in the annual MHS Spanish trip abroad; destinations include numerous countries in Central and South America as well as Europe.

Prerequisite: Spanish II; To receive college credit: Pass the Accuplacer assessment; Juniors must have a GPA of 3.2 & Seniors must have a GPA of 2.8 and maintain a "C" average while in the course.

SPANISH IV (12) (H, C)

YEAR

This course offers four semester college credits from Fond du Lac Community College and also qualifies as a Honors Credit. During this course students will increase their fluency in Spanish, including an intense review of grammatical principles. The main emphasis of the course will be proficiency. In this class, students will experience in depth, the Spanish Culture. Upon successful completion of this class, students are able to pass a placement test into a higher level of University Spanish. Students will have the option of participating in the annual MHS Spanish trip abroad; destinations include numerous countries in Central and South America as well as Europe.

Prerequisite: Spanish III; to receive college credit: Pass the Accuplacer assessment; Juniors must have a GPA of 3.2 & Seniors must have a GPA of 2.8 and maintain a "C" average while in the course.

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