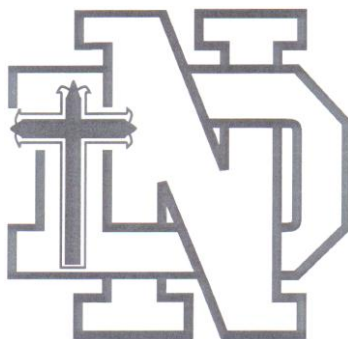


2011 - 2012

CURRICULUM GUIDE



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**NOTRE DAME
REGIONAL HIGH SCHOOL**
265 Notre Dame Drive
Cape Girardeau, Missouri 63701
www.notredamehighschool.org

Phone 573-335-6772 Fax 573-335-3458
Guidance Office 573-335-3701



NOTRE DAME REGIONAL HIGH SCHOOL SEAL-----CAPE GIRARDEAU, MISSOURI
The initials J.M. on the seal's crest-----TO JESUS THROUGH MARY
"Virtus et Scientia" on the open book-----CHARACTER & KNOWLEDGE
The palm branch on the left of the book-----emblem of obedience & victory
The laurel reminiscent of ancient wreaths upholds "Scientia"-----academic honor and achievement
Two concentric circles encompass the seal-----symbolic of the unending charity that unites all Christians

INFORMATION TO CONSIDER BEFORE REGISTRATION

2011 - 2012

REGISTRATION TIME LINE:

- Monday, Feb. 7, 2011 -- Freshmen, Sophomores, Juniors meet with Counselors and Assistant Principal. Registration forms, Curriculum Guides, and Course Selection forms distributed.
- February 7 - 14 -- Class teachers explain course offerings, course objectives and future options. Students obtain needed signatures.
- Tuesday, February 15 -- WHITE REGISTRATION data forms and \$50 REGISTRATION FEE due in homeroom
- Thursday, February 17 -- ALL COURSE SELECTION FORMS due in homeroom with courses selected and required signatures of teachers and parents acquired.

ACADEMIC INFORMATION:

Notre Dame is a member of and is accredited by the Missouri Nonpublic School Accrediting Association. We offer a variety of courses, each of which is designed to prepare students for future success.

Qualified students may earn college credit through either dual enrollment or early college credit programs.

Dual Enrollment: Some Notre Dame courses may be taken for both high school and college credit. Either Southeast Missouri State University or St. Louis University grants college credit for select classes to qualified students. **Students must have at least a 2.75 Grade Point Average and meet any test score requirements set by the University, which vary by subject, before they can enroll for dual credit.** Principal approval is required for dual enrollment. Currently college credit is available in the math, science, English, foreign language, and fine arts departments. Additional fees are paid to the appropriate university.

Dual Credit Classes:

| | | |
|------------------------|----------------------------|-------------|
| Advanced Physics I/II | French III | Spanish IV |
| Calculus | French IV | Speech I |
| Advanced Chemistry I | Music: Artistic Expression | Speech II |
| Advanced Chemistry II | Music Theory | Theology IV |
| College Composition I | Pre-Calculus | |
| College Composition II | Spanish III | |

Early College Credit: Qualified students with the principal's recommendation are allowed to leave campus to take courses at Southeast Missouri State University. This is limited to missing a class period per SEMO class taken. **Students must have at least a 2.75 Grade Point Average and meet any test score requirements set by the University, which vary by subject, before they can enroll for early college credit.**

Additionally, Notre Dame offers a technical preparation curriculum in conjunction with the Career and Technology Center. Qualified students will be allowed to leave campus to attend class at the Center. Course descriptions for these classes are in the back of this guide. College credit is available for some CTC classes through Mineral Area College.

STUDY PERIODS: As a rule, students who elect to take a study period will only be allowed one full study period (one period per day) each semester. Exceptions may be made for seniors who have 1.5 study periods (7 – 8 per week) depending upon the availability of classes, ECC classes, etc.

Missouri Virtual Instruction Program (MoVip): Students who wish to take classes through the Missouri Virtual Instruction Program (MoVip) may do so with the approval of the principal. Classes may be taken for Advanced Placement (AP) credit or for credit recovery only.

GRADUATION REQUIREMENTS:

| <u>SUBJECT</u> | <u>CREDITS</u> | <u>SUBJECT</u> | <u>CREDITS</u> |
|---|----------------|---------------------------|----------------|
| THEOLOGY (4 years & retreat) | 2.0 | **FINE ARTS | 1.0 |
| ENGLISH (Communication Arts) | 4.0 | PHYSICAL EDUCATION | 1.0 |
| SOCIAL STUDIES | 3.0 | HEALTH EDUCATION | .5 |
| (Civics, World History, American History) | | ELECTIVES | 7.0 |
| MATHEMATICS | 3.0 | TOTAL | 26.0 |
| SCIENCE | 3.0 | | |
| *PERSONAL FINANCE | .5 | | |
| *PRACTICAL ARTS | .5 | | |

**Practical Arts* includes the following: Family and Consumer Science, Business, Yearbook, Publications Lab, or CTC courses.

***Fine Arts* includes: Courses in areas of music, art, or drama (Visual and Performing Arts)

CLASS RANK:

As of January 2008, the practice of reporting class rank has been discontinued at Notre Dame Regional High School. Only the ranks of Valedictorian and Salutatorian will continue to be recognized based on the students' accumulative grade point averages at the end of the third quarter of the senior year. Instead of reporting class rank or percentage in class, a student's G.P.A. will be reported on the transcript and a G.P.A. distribution chart will be made available on the Notre Dame school profile.

HONORS:

In order to recognize the hard work of many of our high-achieving students, Notre Dame Regional High School has established the following levels of Academic Honors:

| | |
|----------------|-----------------|
| 4.00 or better | Summa Cum Laude |
| 3.75 – 3.99 | Magna Cum Laude |
| 3.50 – 3.74 | Cum Laude |

Academic Honors will be noted on the transcript.

WEIGHTED CLASSES: Notre Dame weights some elective classes. Classes designated as weighted have been selected based on the rigors of the work involved. Designated classes have .35 grade point added to the amount usually assigned to the letter grade. For example an A+=4.68 instead of an A+=4.33; B=3.35 instead of B=3.0, and so on, except that an F is still assigned no points. The following courses will be weighted: Advanced Physics I, Advanced Physics II, Chemistry, Advanced Chemistry I, Advanced Chemistry II, Advanced Biology, Anatomy and Physiology I & II, Algebra II/Trigonometry, Geometry, Pre-Calculus, Calculus, Spanish III, Spanish IV, Spanish V, French III, French IV, Advanced English I, Advanced English II, Speech I, Speech II, Critical Thinking, College Composition I, College Composition II.

ADVANCED PLACEMENT (AP) - Although Notre Dame only has two courses that are designated through the College Board as AP classes (Spanish IV and French IV), many of our upper level and advanced courses are taught with the same rigor and by teachers trained as AP teachers. Though the teachers have chosen not to limit themselves to the specific topics chosen by the College Board for AP designation, students are encouraged to register for the AP exams given at Notre Dame each year. Teachers are available for additional tutoring and review in preparation for AP tests upon request. Registration for AP exams begins in March; exams are offered in May.

SHOW-ME SCHOLARS PROGRAM

The Show-Me Scholars Program is a course of study that encourages students to take more demanding classes in high school. Any student who completes the Show-Me Scholars Course of Study will be awarded a medal upon graduation. Requirements for the program are:

4.0 credits of English (I, II, III, IV)

3.0 credits of Math (Algebra, Geometry, Algebra II)

3.0 credits of Science (Biology, Chemistry, Physics)

3.5 credits of Social Studies (Government, World History, US History, Geography, Economics)

2.0 credits of Foreign Language (must be same language)

Students must also complete 20 hours of community service, earn at least a "C" average in all Show-Me Scholars classes listed above, and maintain attendance and behavior requirements set forth by Notre Dame Regional High School.

SCHEDULE CHANGES: Students are strongly encouraged to give serious consideration to their class selections in the spring at the time of enrollment. Changes should be kept to a minimum. There is a \$5.00 fee for student-initiated changes. **Student-initiated schedule changes must be completed BEFORE the first day of class in the fall for first-semester courses, and BEFORE Christmas break for second-semester courses. Once the semester begins, schedule changes will only be considered if initiated by the teacher.** As a rule, no course will be dropped after the second week of each semester. If a course is dropped and the student is carrying an "F" grade, or after two weeks in that course, an "F" will be recorded on the report card.

EARLY GRADUATION: There is no early graduation unless there is a documented emergency approved by the Principal.

- 114-121 Mixed Chorus (1, 2, 3, 4) 2 sem. 1 cr.
 Chorus strives to introduce the student to the fundamentals of voice production, to develop music reading skills, and to provide experience in group singing. Students are introduced to many types of choral works in two, three and four parts, and are exposed to the aesthetic value of these works.
- 126-127 Concert Choir (2,3,4) 2 sem. 1 cr.
Prerequisite: Successful audition; teacher signature
 Concert Choir is an advanced performing choral group. The course is designed to further the art of singing and to advance in the study of choral literature. Emphasis is placed upon sight-reading, four part literature, and tone production. This group performs at various school functions and throughout the community.
- 107 Treble Choir (2, 3, 4) 2 sem. 1 cr.
Prerequisite: Successful audition; teacher signature
 All girls' choir designed to further the art of choral music beyond Mixed Chorus. Emphasis is placed upon sight-reading skills, tone production, and treble literature.
- 105 Men's Choir (2, 3, 4) 2 sem. 1 cr.
Prerequisite: Successful audition; teacher signature
 This class begins at 7:30 a.m.
 All boys' choir designed to further the art of choral music beyond Mixed Chorus. Emphasis is placed upon sight-reading skills, tone production, and boys' choral literature.
- 108 Band (1,2,3,4) 2 sem. 1 cr.
Prerequisite: Prior experience in playing and performing on a concert band instrument, or director's approval.
 This class begins at 7:30 a.m.
 Band is a performing instrumental group. The course will emphasize full ensemble rehearsal of concert band music from a variety of styles. To develop the individual musicians as well as the full band, regular practice outside of class is required. There will be a minimum of two concerts (one per semester). The Band will also march in one local parade. We hold the possibility of marching in additional parades, performing at basketball games and performing at other school, church, and civic events.
- 109 Music Theory (2, 3, 4) 2 sem. 1 cr.
Dual enrollment possibility: Three hours of college credit from Southeast Missouri State University. Refer to dual enrollment requirements on page 1.
 Music Theory is designed to foster the abilities of the students who desire to further their understanding of common practice music through the development of basic musicianship in written, aural, and oral aspects. A student who plans to further their study in music after high school would benefit greatly from this class.
- 120 Music: An Artistic Expression (3, 4) 1 sem. .5 cr.
Dual enrollment possibility: Three hours of college credit from Southeast Missouri State University. Refer to dual enrollment requirements on page 1.
 This course presents music as artistic expression and includes an analysis of the role music has played in the human experience. Baroque, classical, and romantic music are explored in historic perspective. Modern music and music in non-western cultures will also be explored. Listening is a major component of this course. Students may choose to take this course for dual credit from Southeast Missouri State University.

- 218 Web Publishing (3,4) 2 sem. 1 cr.
Prerequisites: Students must demonstrate the ability to work independently and stay on task. Previous discipline issues and academic referrals would deter the student from admittance to the course. Teacher's signature and attendance at all meetings are required prior to admittance.
- Students admitted to this course will be the editors of www.notredamehighschool.org, Edline, and associated web sites. During this time, all editorial work will be accomplished. Website theme and design will be determined. Spreads will be edited and readied for submission. Web pages will be written and revised. Editors will become proficient in the use of Easypost, Google applications, and image editing. This course will not focus on intense html code editing but rather use design techniques to challenge the skills of a wide range of students. Editors will work closely with the advisor. Course meetings and weekly planning sessions will be determined by the advisor. Students will be expected to attend a training workshop prior to the start of school. Grades are determined based on deadlines being met, quality of work, and classroom participation (behavior, attitude, and initiative).
- 220 Technology Repair (3,4) 2 sem. 1 cr.
Prerequisites: Students must demonstrate the ability to work independently and stay on task. Previous discipline issues and academic referrals would deter the student from admittance to the course. Teacher's signature and attendance at all meetings are required prior to admittance.
- Students admitted to this course will manage a student help desk in the media center. During this time, students will assist teachers and fellow students in technology troubleshooting and repair. Students will learn basic repair techniques in both hardware and software applications. Editors will work closely with the advisor. Course meetings and weekly planning sessions will be determined by the advisor. Students will be expected to attend a training workshop prior to the start of school. Grades are determined based on deadlines being met, quality of work, and classroom participation (behavior, attitude, and initiative).
- 222 Advanced Technology (3,4) 1 sem. .5 cr.
Prerequisites: Students must demonstrate the ability to work independently and stay on task. Previous discipline issues and academic referrals would deter the student from admittance to the course. Teacher's signature and attendance at all meetings are required prior to admittance.
- Advanced technology courses are available from the Missouri Virtual School program. MoVip offers courses in Flash Animation, Game Design, Java Programming, Web Design, AP Computer Science, etc. Course meetings will be determined by the advisor. MoVip courses require additional tuition fees.
- 224 Web Broadcasting (3,4) 2 sem. 1 cr.
Prerequisites: Students must demonstrate the ability to work independently and stay on task. Students must be available to attend home sporting events. Previous discipline issues and academic referrals would deter the student from admittance to the course. Teacher's signature and attendance at all meetings are required prior to admittance.
- Students in this course will learn the basics of video camera use and video production. Students will serve as on-camera personalities, camerapersons, and editors for two episodes of NDtv per week. Students will also learn to webcast and will use this technology to broadcast home sporting events. Students will learn and practice the basic techniques and etiquette of sportscasting and game commentary. Grades are determined based on deadlines being met, quality of work, and classroom participation (behavior, attitude, and initiative).
- 723-724 Business Math (2,3,4) 2 sem. 1 cr.
(Listed under Math Department)

Related courses at Career and Technology Center:

- Business Technology I & II
- Supervised Business Experience
- Computer Technology I & II
- Marketing I & II

Related courses at SEMO University:

- AD101 Introduction to Microcomputer Applications

COMMUNICATION ARTS and RELATED ELECTIVES

| <u>Freshman</u> | <u>Sophomore</u> | <u>Junior</u> | <u>Senior</u> |
|-----------------|------------------|---------------------|--------------------|
| English I | English II | Semester Courses | Semester Courses |
| Adv English I | Adv English II | Publications I | Publications I |
| | Publications I | Publications II | Publications II |
| | | Publications II Lab | Publication II Lab |
| | | Speech I | Speech I |
| | | Speech II | Speech II |

Four credits in English are required.

| | | | | |
|---------|--|-----|--------|-------|
| 306-326 | <u>English I</u> | (1) | 2 sem. | 1 cr. |
| 302 | <u>Basic English I</u> (classification within English I course with grade adjustment) (Placement through counselor) | | | |

English I includes a study of the literary genres of short story, non-fiction, poetry, biography, and drama. We will also read Romeo and Juliet and Tom Sawyer. Books chosen by the student from a list provided by the teacher will be read and reported on. Composition units emphasizing paragraph, essay, and research writing will be covered. Creative and critical writing assignments will also be required in conjunction with the literature. An in-depth unit on the library including Dewey Decimal System, library organizational system, online card catalog, EBSCO Host (online database) and internet, Readers' Guide, references and vertical file is presented. Study of vocabulary and grammar is incorporated into both literature and composition. Students are also given the opportunity to participate in class discussions and to gain ease in speaking before the class. Every student must earn one credit of English I either during freshman year, or if necessary, during one of the three following years.

| | | | | | |
|---------|---|-----|--------|-------|----------|
| 341-342 | <u>Advanced English I</u> | (1) | 2 sem. | 1 cr. | Weighted |
| | <i>Prerequisite:</i> Junior high language teacher recommendation. | | | | |

Advanced English I is a faster-paced, more intense study of the works covered in English I. This class will also include more independent work. In addition to the works listed in English I, students in Advanced English I will read the novels The Chosen and The Chocolate War. **Students enrolling in this class must read The Adventures of Tom Sawyer during the summer BEFORE ENTERING NOTRE DAME. They will be tested on that novel at the beginning of school.**

| | | | | |
|---------|---|-----|--------|-------|
| 330-331 | <u>English II</u> | (2) | 2 sem. | 1 cr. |
| 343 | <u>Basic English II</u> (classification within English II course with grade adjustment) (Placement through counselor) <i>Prerequisite:</i> English I or Basic English I | | | |

English II deals with the field of American Literature from the Puritan to the modern era. The course includes a study of the literary genres of short story, nonfiction, poetry, biography, drama, and novel. The class does an in-depth study of the novels Of Mice and Men, Huckleberry Finn, To Kill a Mockingbird, and/or The Red Badge of Courage. Reports on independently read novels are given during the first semester. Composition skills are taught throughout the year through assignments in both creative and critical writing. The construction of an essay as used for essay tests and argumentation is studied. Research skills are reviewed and research is utilized in various assignments. Study of vocabulary and grammar is incorporated into both literature and composition. Students are given the opportunity to participate in class discussions and to gain ease in speaking before the class. Every student must earn one credit of English II either during sophomore year or, if necessary, during one of the two following years.

323-324 Advanced English II (2) 2 sem. 1 cr. Weighted
Prerequisites: Students must complete Advanced English I meeting major requirements of the course OR must complete a demand essay and score according to teacher specifications. This essay is in addition to the English I grade requirement for admission. **All** students must receive the course signature from their current English teacher.

Advanced English II is a fast-paced and intensive study of American Literature beginning with Native American Mythology and ending with the modern era. The course includes a study of the literary genres of short story, nonfiction, poetry, biography, drama and novel. The class does an in-depth study of four novels: Huckleberry Finn, The Scarlet Letter, Of Mice and Men, and To Kill a Mockingbird. **Students enrolling in this class must read Of Mice and Men during the summer before the beginning of sophomore year. They will be required to complete an essay, project, or test on the book.** Additional book reports will be assigned. Composition skills are taught through assignments in both creative and critical writing. The construction of an essay as used for essay tests and argumentation is studied. Research skills are reviewed and research is utilized in a persuasive research paper. Study of spelling, vocabulary, and grammar is incorporated into both literature and composition. Students are given the opportunity to participate in class discussions and to gain ease in speaking before the class. Every student must earn one credit of English II either during sophomore year or, if necessary, during one of the two following years.

English III-IV

SEMESTER COURSES

Juniors and seniors are presented with a variety of semester courses. Juniors are required to complete Junior Composition plus one additional .5 credit. Seniors are required to take 1.0 credit. The semester courses which are taught each year are decided by student interest. The semester courses offered are described as follows:

350 Junior English Composition
349 Basic Junior English Composition (Classification within Junior English Composition with grade adjustment. Placement is through counselor.)

This course is **required** for all juniors. In this course, students will study writing as a process, applying that knowledge as they review paragraph structure and write a variety of essays. Students will develop and refine basic composition skills of coherent thought, effective organization, and correct usage. Students will also review and expand research skills, applying various research techniques in assigned essays. This section will culminate with a research paper (generally 5 – 7 pages). Peer revision, in which students will be required to read their writing and critique the writing of their peers, will be an integral part of this class. Students will also expand their vocabulary through a variety of exercises and quizzes.

352 Creative Writing – This course is designed to expose students to various types of expressive writing including poetry, short story, and drama. This class is a hands-on, performance-based class in which students will study background and technique and apply what they have learned in their own writing. Students are expected to participate in individual and group activities designed to create their own works within these genres. Sharing individuals' works and critiquing peers' works are an integral part of this class. Short quizzes or tests may follow each unit. Students will write every day.

317 College Composition I (EN100 - English Composition) - Weighted
(seniors only)
Prerequisites: Students must receive at least a B average (**not B-**) in Junior English Composition to enroll in the course.
Dual enrollment possibility: 3 hours credit from Southeast Missouri State University; refer to dual enrollment requirements on page 1.

This course focuses on the process of effective written expression. It is designed to refine the students' composition skills as reflected in coherent thought, effective organization, reasonable stylistic force and fluency, and regularity in the grammatical and mechanical conventions generally accepted in educated usage. Students will write increasingly sophisticated forms of composition assignments including essays and a research paper requiring increasingly higher orders of thought. Students will also be required to participate in critical reading of their writing and the writing of their peers as a basis for revision.

318 College Composition II (EN140 - Rhetorical and Critical Thinking) Weighted
(seniors only)

Prerequisites: Students must receive at least a B average (**not B-**) in Junior English Composition to enroll in the course. Students must also successfully complete College Composition I.

Dual enrollment possibility: 3 hours credit from Southeast Missouri State University; refer to dual enrollment requirements on page 1.

Course description: The focus of this class is on effective written expression in the context of a liberal education with emphasis on critical thinking and the research paper. The first part of the course will involve focus and development in writing. Emphasis in this portion of the course is on rhetorical analysis, both of the writing of others and that of the students. The second part of the course will focus on writing as communication of researched judgments. The final part of the course will focus on writing as persuasion and argumentation.

The students will engage in the following activities:

- Understanding and using the writing process
- Analyzing how (or how effectively) a writer or speaker had dealt with a given rhetorical situation
- Writing on demand—in response to class discussions, text writings, or prompts
- Peer editing/revisions
- Researching skills including analysis of sources
- Reading and analyzing arguments
- Writing and communicating on controversy

Students will write a minimum of 5 essays and a research paper, and participate in a variety of exercises and informal writings and in-class workshops. Students taking the course for 3 hours credit from Southeast Missouri State must also take a final administered by the university.

354 American Novels – This is a course which introduces classic American novels selected from the following titles: The Grapes of Wrath, The Good Earth, Old Man and the Sea, A Separate Peace, Their Eyes Were Watching God, The Chosen, and The Great Gatsby. These novels reflect American attitudes and cultures from the mid-nineteenth century through the mid-twentieth century. Film adaptations of these novels will provide a basis for comparison and contrast. Both creative and critical thinking and writing are an integral part of the class. The course requires at least one research paper or presentation. **Students will read approximately 45 pages per night.**

355 Dramatic Literature - This course offers a study of plays as social commentary and entertainment. The course includes the styles of comedy, drama, tragedy, and musical. Course content includes but is not limited to the critical analysis of themes of social manners and restrictions, the definition and function of family, the worth of the individual to society, and social justice. The plays used for this study will include but are not limited to The Importance of Being Earnest, Pygmalion, Rent, Proof, Streetcar Named Desire, Sweeny Todd, All My Sons, Into the Woods, Death of a Salesman, Enemy of the People, Whose Life Is It Anyway?, Fences, and The Glass Menagerie. Students will explore the full range of dramatic impact through reading, viewing filmed professional productions, and attending live performances when possible. Requirements include the independent reading and analysis of at least six plays, performance analysis and script analysis. Students will develop critical thinking and writing skills.

356 English Novels – This course examines the genre of the English novel from the Romantic and Victorian periods. Course content may include but is not limited to Jane Eyre, Wuthering Heights, The Return of the Native, A Tale of Two Cities, Dracula, Frankenstein, and And Then There Were None. Film adaptations complement the study of the time period and the novels. Creative and critical thinking and writing are an integral part of the course. The course requires at least one critical thinking paper or presentation. Students will read approximately 40 pages per night.

357 English Literature Survey – Students become acquainted with the great works and authors of English literature and the development of the English language from Beowulf through the twentieth century. The course covers the following genre: the epic, the ballad, the tales of Chaucer, the sonnet, drama (including The Taming of the Shrew), satirical essays, Romantic poetry, and modern short stories. The course includes the reading of selections from the textbook, class discussion, creative and critical thinking and writing, and outside reading on the periods and works discussed in the anthology. Requirements include at least one research paper or presentation.

358 Mythology – The role of myths in humankind's development is examined through Greek mythology. The myths are presented within their historical contexts. Content of the course also includes origins of the gods, myths of creation, and origins of natural phenomenon. Creative, critical thinking and writing are an integral part of the class. Requirements include at least one research paper, a creative presentation, daily quizzes, and unit tests.

- 359 Shakespeare – No one author covers the range of human emotion and conditions as well as Shakespeare. His works are as relevant today as they were when they were written. The course uses staging of scenes, reading aloud, viewing video, and attending live performances when possible to enhance the original purpose of the scripts – to be performed. The study of various filmed versions of each play will develop analytical skills as well as foster an appreciation for the art. This course includes Hamlet, the study of a young man searching for answers to why his life is so messed up; Macbeth, a look at a power hungry man and his forceful wife; A Midsummer's Night Dream, a humorous rendition of what love will do to people; and Othello, a look at the effects of prejudice and jealousy. The following plays will be covered as time allows: King Lear, an examination of the relationship of an aging parent with his daughters; The Tempest, a look at the need for structure in society; and possibly The Merchant of Venice, a reflection on the problems of love, obedience, and prejudice; and a representative historic play. Creative, critical thinking and writing are an integral part of this class.
- 360 Short Story – The style of the short story is studied through the use of stories from the 19th to the 21st Century. Students will study works by American, British, and Continental writers. Course content read will deal with several aspects of society and the individual. The students will gain a working knowledge of the basic elements of the short story form. Requirements for this course include a variety of essays, reports, original works, quizzes, and unit tests. Critical and creative writing and thinking skills are developed in this course. Students will read approximately 35 pages per night.
- 361 Science Fiction – This course examines mankind's quest for identity and meaning in life and his place in the universe. The course explores the development of the science fiction genre and examines the themes of time travel, dystopia/utopia, artificial intelligence, space exploration, aliens and alienation, etc. Students will read selections from a sci-fi anthology as well as several novels. Course content may include but is not limited to: The Time Machine, War of the Worlds, Brave New World, Stranger in a Strange Land, 1984, On the Beach, Fahrenheit 451. Films used will include adaptations of the literature and Metropolis, The Minority Report, Forbidden Planet, I Robot, and The Day the Earth Stood Still. Creative, critical thinking and writing are an integral part of the class. Students will read approximately 35 pages per night.
- 325 Critical Thinking and Writing (seniors only) Weighted
Prerequisites: Students must receive at least a B average (**not B-**) in Junior English Composition and **signatures of both the Junior English Composition and Critical Thinking teachers.**
- This course offers an intensive and innovative look at culture and society through a study of literature, film, music, drama, current events, and philosophy. It is designed to aid students in the process of becoming more actively critical and questioning learners. Students will be required to read, view, and discuss a wide variety of selections which may include, but is not limited to the following: The Matrix, The Catcher in the Rye, A Clockwork Orange, Fight Club, Crash, Hotel Rwanda, Blood Diamond, Death of a Salesman, Waiting for Godot, Doubt, American Beauty, Syriana, as well as selections by Ralph Waldo Emerson, Henry David Thoreau, Plato, Jean Baudrillard, Sigmund Freud, Martin Luther King Jr., and Friedrich Nietzsche, among others. Students will also be required to write extensively, through both original material and in analysis of course material. Special attention will be given throughout the semester to rhetorical (persuasive) writing and analysis. Students will write a minimum of five essays, a variety of shorter responses to course content, and an extensive comprehensive final.

RELATED ELECTIVES

- 362 Fundamentals of Interpersonal Communication: Speech I (3, 4) 1 sem. .5 cr. Weighted
Dual enrollment possibility: 3 hours credit from Southeast Missouri State University; refer to dual enrollment requirements on page 1.
- This course is highly recommended for not only college-bound students, but, specifically, students planning a career which will require a variety of verbal and non-verbal communication skills. This course is a prerequisite for Fundamentals of Oral Communications: Speech II. The course will explore the art of communication through the study of and participation in the following: basic presentation form and style, interpersonal communication, nonverbal communication, and group or panel discussions. One primary goal of the class is to provide the student with an acceptable way to express her/his ideas and feelings. The course requires the use of research skills and creative and critical thinking and writing as well.

363 Fundamentals of Oral Communications: Speech II (3, 4) 1 sem. .5 cr. Weighted
Prerequisite: Fundamentals of Interpersonal Communication: Speech I
Dual enrollment possibility: 3 hours credit from Southeast Missouri State University; refer to dual enrollment requirements on page 1.

This course is designed to acquaint students with the basic principles of effective oral communications and, more importantly, to give students first-hand experience in sharpening their communications abilities. The goal of the course is to teach students to make intelligent rhetorical choices. Course content includes the types and functions of public speaking, classical rhetorical theory, delivery and nonverbal communication, style, organization, use of evidence and reasoning, strategies of persuasion, informative speaking, visual aids, the role of speaker credibility, and motive appeals.

319 Journalism I, II (2,3,4) 2 sem. 1 cr.
Prerequisites: A- average or better in current English course, Journalism teacher's signature, and all meetings prior to admittance.

The class will learn the basic skills and techniques of AP style newspaper writing, design, and production. Students will learn to write news stories, features, editorials, and sports stories. Journalism as a career, journalism ethics, law, photography, advertising for newspapers, and Catholicism in the media will be covered. Students will be responsible for producing the school newspaper, *The Hi-Lites*. Students will be required to sell advertising to fund the newspaper. Grades are determined based on written work, meeting deadlines, quality of work as evidenced in submission of a quarterly portfolio, and classroom participation (attitude, behavior, and ad sales/contacts).

320 Yearbook I, II (2,3,4) 2 sem. 1 cr.
Prerequisites: A- average or better in current English course, Yearbook teacher's signature and all meetings prior to admittance.

This class will be responsible for producing the school yearbook, *The Silhouette*. This will include learning basic skills and techniques of yearbook production. Students will become proficient in the use of Jostens Yeartech Online Program and Photoshop computer programs. Students will be required to photograph activities both during and after school. Students will sell advertising to fund the yearbook. Grades are determined based on meeting deadlines, quality of work as evidenced in submission of a quarterly portfolio, and classroom participation (attitude, behavior, and ad sales/contacts).

327 Publications Lab (3,4) 2 sem. 1 cr.
Prerequisites: A- average or better in Journalism I or Yearbook I and current enrollment in Journalism II or Yearbook II.

This class will be held in conjunction with Journalism II and/or Yearbook II. Students admitted to this class will be the editors of the newspaper, *The Hi-Lites*, and the yearbook, *The Silhouette*. During this time, all editorial work will be accomplished. Yearbook theme and design will be determined. Spreads will be edited and readied for submission. Newspaper layout will be determined; articles will be written and revised. Editors will become proficient in the use of Yeartech Online, or InDesign CS2, and/or Photoshop computer programs. Editors will work closely with the advisor. Grades are determined based on deadlines being met, quality of work as evidenced in submission of a quarterly portfolio, and classroom participation (behavior, attitude, and initiative).

FAMILY AND CONSUMER SCIENCE
(Practical Art Credit)

| <u>Freshman</u> | <u>Sophomore</u> | <u>Junior</u> | <u>Senior</u> |
|-----------------|---------------------|------------------------|------------------------|
| | Life Skills/Careers | Life Skills/Careers | Life Skills/Careers |
| | Food & Nutrition I | Food & Nutrition I | Food & Nutrition I |
| | Food & Nutrition II | Food & Nutrition II | Food & Nutrition II |
| | | International Foods | International Foods |
| | | Child Development | Child Development |
| | | Housing/Interior Décor | Housing/Interior Décor |

500 Food and Nutrition I (2,3,4) 1 sem. .5 cr.

This course will introduce basic nutrition along with the preparation of foods that fulfill the requirements for a healthy lifestyle. The student will explore all the food groups and discover how each is important for proper growth and development. In addition, how the body utilizes foods for energy, ways to prepare healthy meals, and reducing the risk of health problems are discussed. By the end of the semester the student will be able to plan and prepare nutritious meals, be capable of evaluating a recipe for fat and calorie content, be able to prepare menus to fulfill their daily requirement allowances, become aware of how their bodies utilize vitamins and minerals based on their activity levels, evaluate their personal needs, and devise a plan to meet these needs. Kitchen and food safety and sanitation are also covered.

507 Food and Nutrition II (2,3,4) 1 sem. .5 cr.

Prerequisite: Food and Nutrition I

This course will continue the study of nutrition and preparation of foods that provide elements for a healthy lifestyle. The student will explore areas of study including cholesterol, dieting, and weight control as well as learn more advanced techniques of cooking and preparing menus and new foods. At the end of the semester the student will be able to evaluate a food for its nutritional content and cholesterol levels, be able to evaluate a recipe for fat and nutrition, relate its importance to their diets, and demonstrate more advanced cooking skills, such as frying, making yeast breads, foreign food cooking, beginning cake decorating skills and cooking for crowds.

508 International Foods (3,4) 1 sem. .5 cr

Prerequisite: Foods and Nutrition I and II ; teacher signature required

This course emphasizes variety in food products, preparations techniques, experimentation in meal patterns, and the significance of foods as it relates to various cultures. The class includes a balance of written class work, research, demonstration, and hands-on experience. Students will plan, prepare, and serve foods representing various regions of the United States and the world. Appreciation of the difference in international cuisine and the historical and geographical significance for these differences is emphasized. Come along with us and travel the world for a semester and experience the culture and cuisine of various countries.

502 Life Skills/Careers (2,3,4) 1 sem. .5 cr.

This is an introductory course in the Family and Consumer Science Curriculum. The student will study three units in this semester class. Career options in Housing and Interior Design, Fashion Design and Textiles, Life Management Skills will be covered. The student will explore the many career options and possibilities associated with these fields. Machine and hand sewing skills will be taught, with the completion of a clothing garment. Interior decorating concepts, basics of budgeting, savings and checking accounts, and insurance needs will also be covered.

503 Child Development (3,4) 1 sem. .5 cr.

This Child Development course is designed to bring child development and parenting concepts alive for students. The course will introduce the students to the importance of studying children and parenting, and will then focus on their development from conception through six years of age. The development will include not only physical maturation but also an understanding of how emotional, social, and intellectual development are fostered and hindered.

We will also be introducing the "Baby Think It Over" program, which is a program using simulated interactive infants. The program allows the students to explore the physical, emotional, social, and financial consequences of parenthood. The program will encourage discussions and critical thinking about the many dimensions of parenting. The infant simulator in this program replicates the unpredictable, around-the-clock demands of an infant.

504 Housing and Interior Decorating (3,4) 1 sem. .5 cr.

The student will study all aspects of Housing and Interior Designs, including floor plans, types of furnishings, cost, wall and floor coverings. The student will also study ceilings, roofs, windows, doors, and faux painting techniques. At the end of the semester, the student will be required to complete a housing presentation using the principles and concepts discussed in class.

Related courses at Career and Technology Center:

- Culinary Arts I-II
- Child Care Careers

Related courses at SEMO University:

- CT207 Textiles I

604-605 Theology IV (4) 2 sem. .5 cr.
OR

612 Theology IV – 1818 ACC Theo 100 – Theological Foundations
(4) 2 sem. .5 cr.

Prerequisite: Student must have 3.0 cumulative grade point average.

Dual enrollment possibility: 3 hours credit from Saint Louis University; refer to dual enrollment requirements on page 1. This class may begin at 7:30 a.m.

Students will look at subdisciplines of theology as a foundation for the study of Social Justice and Christian Lifestyles. This course will center around the text: Theological Foundations: Concepts and Methods for Understanding Christian Faith. The subdisciplines are: The Old Testament, The New Testament, Christology, The Church, Grace and Sacraments, Christian Morality, Social Justice, World Religions, and Catholic Theology in a Global Context. These concepts will be woven throughout the two semesters as we study our call to Social Justice and Christian Lifestyles.

SOCIAL JUSTICE AND POLITICAL RESPONSIBILITY - Semester I

The fall semester of senior religion is built around the text, The Christian Call to Justice and Peace. Using added material from Church documents and scripture, the course is to challenge the student to look at six major areas of concern in our world today. Those areas are: poverty, hunger, sexism, racial prejudice, ageism, and ecology. Through the use of scripture, the course shows that our church documents come from Christ himself. To be church, is to work for the good of all, not just our little corner of the world. The course is designed to stimulate the student to work along with the Church as a young person, and later as an adult to meet the needs of the oppressed in the world.

LIFESTYLES: EXPECTATIONS OF TODAY'S WORLD - Semester II

The spring semester begins with a unit on Catholic apologetics. Students will learn how to explain and defend Catholic beliefs and traditions. Then the emphasis will shift to Lifestyles. This course will present general information about the single state, religious life/priesthood, and marriage. It will be stressed that each person is called to serve God and love others in each of these lifestyles. The sacraments of matrimony and holy orders will be given special emphasis. Included in the sacrament of matrimony is discussion of human sexuality and the Theology of the Body.

620 Campus Ministry (2,3,4) 2 sem. .5 cr.

This class begins at 7:30 a.m.

This course is designed to teach students about liturgy and to help students develop an appreciation for ministering to the faithful. This is done by facilitating music, art, and environment and liturgies for the school as well as organizing Christian Service and pastoral care.

MATHEMATICS

| <u>Freshman</u> | <u>Sophomore</u> | <u>Junior</u> | <u>Senior</u> |
|-----------------|-------------------|-------------------|-------------------|
| Basic Math | Pre-Algebra | Saxon Algebra II | Saxon Algebra II |
| Pre-Algebra | Algebra I | Honors Algebra II | Honors Algebra II |
| Algebra I | Saxon Algebra II | Geometry | Geometry |
| Geometry | Honors Algebra II | Applied Geometry | Applied Geometry |
| | Geometry | Business Math | Business Math |
| | Applied Geometry | Advanced Math | Advanced Math |
| | Business Math | Pre-Calculus | Pre-Calculus |
| | | | Calculus |

Students who fail a math class or who do not meet the prerequisite grade for advancement to the next level may attend summer school or take a correspondence course to receive credit. However, they must pass the Notre Dame semester exam for the course failed before advancing to the next level.

| | | | |
|---------|---|-----------|-----------------------|
| 701 | <u>Basic Math</u> | (1) | 2 sem. 1 cr. |
| | (Placement through math teacher or counselor.) | | |
| | This course reviews addition, subtraction, multiplication, and division of integers, fractions, mixed numbers, and decimals. Students will develop problem-solving skills. The concepts of area, percent, ratio, and order of operations are also introduced. | | |
| 721-722 | <u>Algebra I</u> | (1,2) | 2 sem. 1 cr. |
| | <i>Prerequisite:</i> 1) Qualifying score on Math Placement Test and 8th-grade teacher recommendation, or 2) Pre-Algebra teacher recommendation. | | |
| | Algebra is the branch of mathematics that uses positive and negative numbers, letters and other symbols to express and analyze the relationship between concepts of quantity in terms of formulas and equations. Some major topics taught are: fundamental operations of real numbers, equations and inequalities, polynomials, products and factoring, fractions, graphs, quadratic equations and problem solving. | | |
| 725-726 | <u>Pre-Algebra</u> | (1,2) | 2 sem. 1 cr. |
| | Placement through math teacher or counselor. | | |
| | Pre-algebra continues the study of operations with integers, fractions, mixed numbers, and decimals. Students will develop problem-solving skills. The concepts of area, percent, ratio, order of operations, and the beginning concepts of algebra are introduced. Teacher's signature is required before advancement to the next level. | | |
| 711-712 | <u>Saxon Algebra II</u> | (2,3,4) | 2 sem. 1 cr. |
| | <i>Prerequisite:</i> Algebra I, teacher signature | | |
| | Saxon Algebra II continues the study of mathematics using the approach of John Saxon. This course is specifically designed for those students who feel they cannot continue in the traditional method of mathematical study (i.e. geometry). More topics in algebra and geometry are explored. A student cannot receive credit for both Saxon Algebra II and Honors Algebra II. | | |
| 719-720 | <u>Geometry</u> | (1,2,3,4) | 2 sem. 1 cr. Weighted |
| | <i>Prerequisite:</i> 1) Qualifying score on Math Placement Test and 8th-grade teacher recommendation, or 2) Algebra teacher recommendation, teacher signature. | | |
| | Geometry is designed to help the student understand the structure of a mathematical system and appreciate the basic structure of Euclidean geometry. Basic topics taught are: direct and indirect proof, congruence, similarity, parallel lines, quadrilaterals, and circles. Students with average math grades should consider taking this course after having Saxon Algebra II. | | |
| 727-728 | <u>Applied Geometry</u> | (2,3,4) | 2 sem. 1 cr. |
| | <i>Prerequisite:</i> Algebra I; teacher signature. | | |
| | Applied Geometry is designed to help the student understand the practical aspects of geometry. Topics include: constructions, scale drawings, area, volume, coordinate geometry. Students may receive credit for both Applied Geometry and Geometry. | | |

715-716 Honors Algebra II (2,3,4) 2 sem. 1 cr. Weighted
Prerequisite: Algebra I; teacher signature

In this course, the students study the structure of the systems of real and complex numbers. Other topics include polynomials, linear equations, quadratics, exponential/logarithmic functions, sequences, and series. A student cannot receive credit for both Saxon Algebra II and Honors Algebra II.

723-724 Business Math (2,3,4) 2 sem. 1 cr.
Prerequisite: Previous math teacher signature.
(Also listed under Business Department)

Business Math is the study of mathematics needed in everyday life, regardless of occupation. The course provides for considerable practice in the use of a calculator. Topics covered include: First semester - money records, banking, net pay, fringe benefits, commission, metric measurements, cost of buying and owning a home and motor vehicle. Second semester - taxes, insurance, saving and investing, credit, business analysis and statistics, profit and loss, and business in a global economy.

713-714 Advanced Mathematics (3,4) 2 sem. 1 cr.
Prerequisite: Saxon Algebra II or Honors Algebra II; teacher signature.

This course continues the study of mathematics using the approach of John Saxon. It is the culmination in the process of acquiring the fundamental skills of algebra, geometry, and trigonometry. Students will tackle the abstractions of the concrete problems they have been working in previous math courses. A student cannot receive credit for both Advanced Math and Pre-Calculus.

717-718 Pre-Calculus (3,4) 2 sem. 1 cr. Weighted
Prerequisite: Honors Algebra II; teacher signature
Dual enrollment possibility: 6 hours of early college credit from Southeast Missouri State University; refer to dual enrollment requirements on page 1.

This course prepares students who intend to continue their study of mathematics in the direction of natural, physical or social sciences. Emphasis is given to trigonometry and trigonometric functions, limits, sequences, elementary functions, analytic geometry, probability and an introduction to calculus. Students may choose to take this course for dual credit from Southeast Missouri State University: College Algebra (MA-134) – 3 credit hours; Trigonometry (MA-133) – 3 credit hours; some standard university prerequisites may apply; additional cost -- approximately one-half tuition fees from SEMO. A student cannot receive credit for both Advanced Math and Pre-Calculus.

710 Calculus (4) 2 sem. 1 cr. Weighted
Prerequisite: Pre-calculus; teacher signature

Dual enrollment possibility: 5 hours of early college credit hours from Southeast Missouri State University (MA-140) or 4 hours from St. Louis University; refer to dual enrollment requirements on page 1.

Analytic geometry, functions, limits, derivatives and integrals of algebraic, trigonometric, and exponential functions with applications.

Related courses at SEMO University (under advisement of math teacher):

MA139 Applied Calculus

MA140 Analytic Geometry and Calculus I

MA145 Analytic Geometry and Calculus II

PHYSICAL EDUCATION AND HEALTH

| <u>Freshmen</u> | <u>Sophomore</u> | <u>Junior</u> | <u>Senior</u> |
|-----------------|--|---|--|
| P. E. I | Health Weight Training A. M. Weight Training | P. E. III / IV Weight Training A. M. Weight Training Dance | P. E. III / IV Weight Training A. M. Weight Training Dance |
| 783-784 | <u>Physical Education I</u> (1) | 2 sem. .5 cr. | Physical Education I focuses on the fitness of the individual. It strives to improve the individual physically as well as mentally and socially. Students will exercise to help promote and maintain a certain level of physical fitness. P.E. I is a co-educational course for freshmen. Activities include weight training, fitness testing, and plyometrics. Each student is challenged to his or her individual abilities. This course meets two days a week opposite Theology I. |
| 762-763 | <u>Physical Education III / IV</u> (3,4) | 2 sem. .5 cr. | Physical Education IV teaches individual as well as team sports. It is an advanced activity class for junior level that includes more individual activities. It is a class for the senior level that includes activities such as softball, volleyball, basketball, indoor soccer, bowling, golf, and flag football. Students will be traveling off-campus to activities if parental permission is given. Some students will need parental permission to drive. Off-campus activities will require the students to pay a minimal fee in order to participate. This course meets two days per week opposite Theology IV. |
| 780-781 | <u>Weight Training</u> (2,3,4) | 2 sem. 1 cr. | Weight Training is an elective course for the sophomore, junior, and senior levels. This class will be an intense weight training experience. The student will study the aspects of developing muscular strength, endurance and flexibility. This class will satisfy the second physical education requirement. This class is taken five days per week. |
| 776 | <u>A. M. Weight Training</u> (2,3,4) | 2 sem. 1 cr. | A.M. Weight Training is an elective course for the sophomore, junior, and senior levels. This class will be an intense weight training experience. The students will study the aspects of developing muscular strength, endurance, and flexibility. This class will meet one of the physical education requirements for the student. Students will begin class at 7:30 a.m. This class will meet five days per week. |
| 778-779 | <u>Dance</u> (3,4) | 2 sem. .5 cr. | This course presents to the class the basic components of dance. The principles of technique and quality in this art form are fundamental and will be stressed. However, dance is a constant source of entertainment and should be enjoyed. Some performance opportunities do exist and may provide practical application of skills. This class may be taken in place of Physical Education III or IV. A qualified dance instructor will be teaching the course. |
| 768-769 | <u>Health</u> (2) | 2 sem. .5 cr. | Health is a study of the human body in relation to today's society and environment. The course emphasizes the importance of emotional, mental, and physical health. The course includes units covering the skeletal and muscular systems as well as the respiratory system of the human body. Topics also covered are: Alcohol and Drug Abuse, First Aid, Cardiopulmonary Resuscitation, Food and Nutrition, Sexually Transmitted Diseases, and Physical Fitness. |

SOCIAL STUDIES

| <u>Freshman</u> | <u>Sophomore</u> | <u>Junior</u> | <u>Senior</u> |
|-----------------|---|--|--|
| Civics | World History | American History Economics Geography Psychology Sociology Philosophy Current Events History of American Women | Economics Geography Psychology Sociology Philosophy Current Events History of American Women |
| 812-813 | <u>Civics</u> (1) | 2 sem. 1 cr. | |
| | Civics is a study of the basic governmental structure on the local, state, and federal levels. This is reinforced by exploring how being a good citizen relates with good government structure. Topics to be covered are: The Federal Government; State and Local Governments; What is Good Citizenship? How America's Free Economy Works; Jobs for Education of Americans; Improving American Ways of Life; and America in Today's World. | | |
| 808-809 | <u>World History</u> (2) | 2 sem. 1 cr. | |
| | World History is a study of the history of man from prehistory to the present. The course includes studying the record man has left in government, science, the arts and all other aspects of human endeavor. | | |
| 810-811 | <u>American History</u> (3) | 2 sem. 1 cr. | |
| | The history of America from pre-Civil War to the present is explored with factual and interpretive material. Economic, political, and social mores are studied in a manner as to give the student a well-rounded look at this nation. Units to be covered are: A Nation of Nations; Rift and Reunion; The Roots of a Modern Nation; The New Era of the Twenties; Economic Crisis and the New Deal; The United States Transformed; The Postwar World; Toward Equality and Social Reform; The Troubled Years; and New Challenges. | | |
| 803 | <u>Sociology</u> (3, 4) | 1 sem. .5 cr. | |
| | Sociology is the social science that deals with human relationships. In this course, attention is given to how one relates to others and how one's individual behavior is influenced by other people. Areas of study include: The Scientific Method as Applied to the Social Sciences, Culture, Cultural Change, Conformity, Deviance, Personality Formation, Social Groups, Social Stratification, Minorities, and Social Institutions. | | |
| 804 | <u>Psychology</u> (3,4) | 1 sem. .5 cr. | |
| | Psychology is a course of study to help understand one's behavior and how it relates to the behavior of others. Included in the course will be a general introduction to this field, while the emphasis will be placed on various topics: understanding personality, human growth and development, emotions, motivation, mental health and mental illness. | | |
| 805 | <u>Economics</u> (3, 4) | 1 sem. .5 cr. | |
| | Economics is a course of study to help describe how the American market economy operates. The text combines explanations of economic principles with applications of these principles to the real world of the American economy. Units to be covered are: Practical Economics; Markets, Prices, & Business Competition; American Business in Action; and Managing the Nation's Economy. | | |
| 806 | <u>Geography</u> (3,4) | 1 sem. .5 cr. | |
| | World Geography is the study of our planet and its various regions. Emphasis will be placed on human geography in various "hot spots" in the world as well as current issues in those area today. | | |

817 History of American Women (3,4) 1 sem. .5 cr.

This course surveys the social, cultural, and political developments that shaped American women's lives from the colonial period to 1890. It will analyze both the ways American culture defined women's place during different historical periods, and the ways women themselves worked to comply with or resist those definitions. Topics include pre-industrial society, transformations in work and family life, industrialism and class formation, slavery, women's culture, and the emergence of a women's movement. The importance of class, race, and ethnicity in shaping women's historical experience will be stressed. Course requirements include short papers in response to sections covered and two book reviews.

815 Philosophy (3,4) 1 sem. .5 cr.

This course will include a general survey of some of the views of the major philosophers in Western tradition. Emphasis will be on Socrates, St. Thomas Aquinas, Locke, Kierkegaard, and select others.

816 Current Events (3,4) 1 sem. .5 cr.

With the use of a wide variety of sources (mini-lectures, television, internet, newspaper in the classroom, and weekly magazines) students should become more aware not only of important events and trends on the domestic and international scene, but will be able to focus on a select few for an in-depth understanding of the historical as well as current context of the event(s). The fundamental goal of this course is to widen horizons for students in a way which will hopefully inspire lifelong interest in what is happening domestically and internationally.

Related courses at SEMO University:

History

US105 American History I (3)

US107 American History II (3)

Social Studies

GG150 People and Places of the World (3)

PS103 U.S. Political Systems (3)

PS104 Comparative Political Systems (3)

CAPE GIRARDEAU CAREER & TECHNOLOGY CENTER

All Courses are Elective Credit

Career Path: Arts and Communications; Business, Management and Technology; Health Services; Human Services; Industrial and Engineering Technology; Natural Resources

In order to be eligible to enroll in a three hour course at the Career and Technology Center (CTC), students must complete an application process, including signatures from their parent/guardian and school counselor. To be considered for acceptance to the career center, students must have both a good attendance and discipline history with NDHS. Due to the number of students who request enrollment at CTC, students with more than ten absences or two discipline referrals may be unable to attend.

TECH PREP– COMMUNITY COLLEGE CREDIT

Students who enter articulated career and technical programs will have the opportunity to earn from 6 to 36 semester hours of college credit through Mineral Area College of Park Hills, MO, while earning high school graduation credits. Minimum requirements to participate in this program are grades of C- or above in the career education program. College hours apply toward an Associate of Applied Science degree. A one-time enrollment fee of \$15 is required.

Programs with articulation agreements are: Automotive Collection, Automotive Technology, Broadcast Production, Business Technology, Cabinetmaking, Childcare, Computer Technology, Construction Technology, Culinary Arts, Electrical Trades, Electronics, Graphic Arts, HVAC/R, Landscape/Horticulture, Marketing, Machine Tool, PLTW, and Welding.

Course Title: Auto Collision Technology I CREDIT: 3.0

2 semesters – 3 periods - Possible community college credit

Grades Eligible: 11, 12

Prerequisites: None

Description: This course provides training in auto collision repair; straightening sheet metal with hand and power tools, dent filling with plastics, sanding and masking techniques, and windshield repair/replacement. Basic instruction in mig welding is given for panel repair. Spray painting is primarily with base coat/clear coat paint system. Students will complete projects on late model vehicles. Written competencies will require 3 days in classroom per week for the first semester. Second semester will be devoted to shop performance.

Course Title: Auto Collision Technology II CREDIT: 3.0

2 semesters – 3 periods - Possible community college credit

Grades Eligible: 12

Prerequisites: Auto Collision Tech I and Teacher Approval

Description: This course provides advanced training in all phases of the occupation including air conditioning, estimation, spraying acrylic finishes of all types, color blending, and paint matching. Students will complete projects on late model vehicles.

Course Title: Automotive Technology I..... CREDIT: 3.0

2 semesters – 3 periods - Possible community college credit

Grades Eligible: 11, 12

Prerequisites: None

Description: This class is an introduction to automotive power plants and steering suspension systems including theory, construction, overhaul, and diagnosis. Diagnosis will be aided by student operation of the computerized diagnostic center. Much emphasis is placed on **Automotive Service Excellence (ASE)** certification .

Course Title: Automotive Technology II CREDIT: 3.0

2 semesters – 3 periods - Possible community college credit

Grades Eligible: 12

Prerequisites: Automotive Technology 1 and teacher approval

Description: Principles of brake, automotive electrical, drive axles, and air conditioning systems are stressed. In-depth book work along with theory and shop work is expected. Much emphasis is placed on **Automotive Service Excellence (ASE)** certification.

Course Title: Basic Flight..... CREDIT: 3.0

2 Semesters- 3 periods (PM only)

Grades Eligible: 11, 12 (one year only)

Prerequisites: Algebra I & additional application

Description: This course is designed to provide the initial phases of Ground and Flight training prescribed by Federal Aviation Regulations (FARs) part 61 for those individuals intending a career in the aviation industry. Students will receive 10 hours of flight observations and 5 hours of aircraft Practical Flight Instruction. Successful students will be eligible to complete the FAA Private Pilot written exam and acquire a student pilot certificate status.

Course Title: Broadcast Production CREDIT: 3.0

2 semesters – 3 periods – Possible community college credit

Grades Eligible: 11, 12

Prerequisites: Computer Applications 1 with a grade of “C+” or above

Description: This exciting program will prepare students for employment in the field of television and radio communication. Emphasis will be placed on identification and use of special digital computer operations, production practices, television camera operations, lighting techniques, and recording systems and editing capabilities. Students will demonstrate competencies through written and performance tests.

Course Title: Advanced Broadcast Production CREDIT: 3.0

2 semesters – 3 periods - Possible community college credit

Grades Eligible: 12

Prerequisites: Broadcast Production 1 and teacher approval

Description: The second year program will give in-depth experience for equipment operation and live new/sports productions. Students will also perform pre-and post production activities required for on-site and remote locations. Second year students will have an opportunity for interspace with local broadcasters/production houses. Successful completion of this program should qualify students for entry-level employment at local radio and television stations.

Course Title: Business Technology I Credit: 3.0

2 semesters – 3 periods - Possible community college credit (AM only)

Grades Eligible: 11, 12

Prerequisites: Keyboarding

Description: This is a program for intensified training in the business field, specifically for students who want to begin entry-level employment in office-related occupations or those who plan to attend college and major in business. Students will focus on computer skills using Microsoft Office (Word, Excel, Access, and PowerPoint) and the internet. This class works toward MOUS Certification, a process whereby students both learn and test at a standardized industry level, then receive a certificate that represents their demonstrated expertise on the Microsoft Office applications. Other business machines used in the course include: ten-key, printing calculator, digitized voice and voice recognition, digital camera, and scanner. Units in business English, recordkeeping and management, and job-seeking techniques are taught as well. Second semester juniors and all seniors may participate in the SBE (Supervised Business Experience) internship for school credit and paid, on-the-job training.

Course Title: Business Technology II Credit: 3.0

2 semesters – 3 periods – Possible community college credit (AM only)

Grades Eligible: 12

Prerequisites: Business Technology I and teacher approval

Description: This course offers training in many aspects of office work that have vocabulary and forms that are unique to that area. Specialty studies include legal office procedures and forms, medical terminology, preparing and printing of financial reports, composing business letters, preparing payroll, and advanced computer techniques using Microsoft Office and the Internet. This class works toward Expert MOUS Certification. Students enrolled in this course may participate in the SBE (Supervised Business Experience) internship for school credit and paid, on-the-job training.

Course Title: Supervised Business Experience (SBE).....Credit: .5 – 1.0 Grades

½ credit per semester minimum of 180 hours worked; 1 credit per semester minimum of 360 hours worked

Eligible: 11 (second semester), 12

Prerequisites: None

Description: This is a cooperative program with business or industry which provides paid, on-the-job experience in the business field. Students are selected through an application process. Business Technology I, Business Technology II, or Desktop Publishing/Multimedia must be taken in conjunction with the work experience.

Course Title: Cabinetmaking I..... Credit: 3.0

2 semesters – 3 periods (AM only)

Grades Eligible: 11, 12

Prerequisites: Algebra I or equivalent

Description: This course will allow students to learn the procedures of cabinetmaking and furniture making. Students will be exposed to cabinet design through sketching, drawings, and reading cabinet plans, machining processes, and assemble of cabinet components. The use of stationary power machines, hand power tools, and hand tools are an integral part of the course. Students will be introduced to Computer Numerical Control (CNC milling), Master CAM and CADD design software. Students will also have the opportunity to understand and apply different finishes to cabinets consistent with industrial standards. This course will prepare students for entry level employment as a cabinetmaker and other related areas of the construction industry.

Course Title: Cabinetmaking II Credit: 3.0

2 semesters – 3 periods (AM only)

Grades Eligible: 12

Prerequisites: Cabinetmaking I and teacher recommendation

Description: This course will continue with the cabinetmaking processes of machining, assembly of cabinet components, and finishing of wood products. The greater portion of class time will be spent on computer numerical control machining (CNC), using Master Cam software to aid in the machining process, computer aided design and drafting (CADD) to gain knowledge of the design process, and estimating complete cabinet projects for residential building and remodeling.

Course Title: Careers in Health Care CREDIT: 3.0

2 semesters – 3 periods

Grades Eligible: 12

Prerequisites: None

Description: In Careers in Health Care you will learn medical terminology, anatomy, and basic bedside care skills. You will learn to give daily care to a patient (bathe, dress, feed, and assist with activities of daily living). The first semester all students learn the basic skills that all health care workers need to know. The second semester students may continue training to become a Certified Nurse Assistance (CNA) or be assigned to a specialized program like Dental Aide, Activity Aide, Animal Care Aide, Physical Therapy Aide, Administrative Medical Aide, Radiology Aide, or Child Care Aide. Students will be given the opportunity to qualify to set for the state CNA certification test.

Course Title: Child Care Careers..... CREDIT: 3.0

2 Semesters – 3 periods – Possible college community credit (no longer just A.M.-so removed)

Grade Eligible: 12

Prerequisites: Child Development or teacher permission

Description: This course is designed to prepare student for employment in the child care field. Students will learn about, observe, and participate in providing a safe and healthy learning environment for children ages birth to five. Students will have the opportunity to acquire the work experience hours and instructional hours needed to receive a CDA (Child Development Associate) credential.

Course Title: Computer Technology I CREDIT: 3.0

2 semesters – 3 periods - Possible community college credit (AM only)

Grades Eligible: 11, 12

Prerequisites: Keyboarding, Computer Applications and Algebra I are required; average reading ability needed

Description: Computer Technology is not your typical high school computer class. You will learn to set up and run computer networks along with designing Internet web pages using HTML. Some of the skills learned will include advanced CISCO and Microsoft operations, structured network cabling, programming routers, designing networks, computer repair and other skills that will prepare you to become a PC support technician or network administrator. Semesters 1 and 2 of the CISCO Networking Academy is covered.

Course Title: Computer Technology II CREDIT: 3.0

2 semesters – 3 periods - Possible community college credit (PM only)

Grades Eligible: 12

Prerequisites: Computer Technology and teacher approval

Description: Computer Technology is not your typical high school computer class. You will learn to set up and run computer networks along with designing Internet web pages using HTML. Some of the skills learned will include advanced CISCO and Microsoft operations, structured network cabling, programming routers, designing networks, computer repair and other skills that will prepare you to become a PC support technician or network administrator. Semesters 1 and 2 of the CISCO Networking Academy is covered.

Course Title: Construction Technology I CREDIT: 3.0

2 semesters – 3 periods – Possible community college credit

Grades Eligible: 11, 12

Prerequisites: None

Description: A residential house is constructed during the two-year program. Students will receive instructions and hands-on experience in hand and power tool safety, site preparation and layout, footing and foundation forming, floor and wall framing, sheathing, window and exterior door installation and exterior wall finishes.

Course Title: Construction Technology II CREDIT: 3.0

2 semesters – 3 periods - Possible community college credit

Grades Eligible: 12

Prerequisites: Construction Technology I and teacher approval

Description: Construction Technology II covers areas of residential interior finish carpentry. This includes: energy conservation, insulation, drywall, interior wall and ceiling finish, interior doors and trim, flooring, cabinets, specialty built-ins, fixture installation, residential wiring, and plumbing.

Course Title: Culinary Arts I..... CREDIT: 3.0

2 semesters – 3 periods - Possible community college credit

Grades Eligible: 11, 12

Prerequisites: Any Basic Food Class

Description: Prepare to seek employment in the nation’s number one employment field. Develop skills for careers ranging from bakers, sandwich prep cooks, entrees cooks, deli workers and in front-of-the-house positions. Incorporated within the class is actual experience in operating a mini-restaurant and catering using the modern equipment available.

Course Title: Culinary Arts II CREDIT: 3.0

2 semesters – 3 periods - Possible community college credit

Grades Eligible: 12

Prerequisites: Culinary Arts I and teacher approval

Description: This second year program provides the student with additional training in specific roles of the food service industry. The course is designed for students to develop specialty areas in the food careers. Students meeting the qualifications and with the recommendation of the instructor will assume managerial and supervisory roles in the classroom operations of the mini-restaurant. Qualifying students are eligible for job internships in local restaurant operations. These students will earn pay as well as a grade for work performed during class time.

Course Title: Electrical Trades I Credit: 3.0

2 semesters – 3 credits - Possible community college credit

Grades Eligible: 11, 12

Prerequisites: Algebra I or equivalent

Description: This course will provide training in electrical trades. Students will learn how to interpret and apply designs and drawings to the electrical field. Instruction will include constructing, calculating, and installing residential, commercial and industrial circuits and applicable codes. This course will prepare students for entry level employment as an electrician and other related areas. In the first year, residential and commercial are the two subject taught. Residential includes house wiring, NEC code calculations and blueprint reading. Commercial includes conduit bending, transformers, and motors.

Course Title: Electrical Trades II Credit: 3.0

2 semesters – 3 credits – Possible community college credit

Grades Eligible: 12

Prerequisites: Electrical Trades I and teacher recommendation

Description: Entering the second year the focus will be on Industrial Motor Controls and PLC (Programmable Logic Controller). Students will learn how to install, troubleshoot, and maintain Motor Controls and Variable Frequency Drives. Upon completion of the second year the student will be able to read and write Programmable Logix. The different types of PLC’s are: micrologix 1100, PLC 5, Compact Logix, Human Machine Interface Panel views.

Course Title: Electronics I CREDIT: 3.0

2 semesters – 3 periods - Possible community college credit

Grades Eligible: 11, 12

Prerequisites: Algebra I with C or better

Description: Prepare yourself for multiple career options by performing electricity and electronic repairs! Learning direct current, alternating current, semiconductors and lasers give you needed entry-level skills for work in military, industrial and biotechnology fields. You will also become familiar with various electronic test instruments and equipment. Begin preparation now for an exciting career.

Course Title: Electronics II..... CREDIT: 3.0

2 semesters – 3 periods - Possible community college credit

Grades Eligible: 12

Prerequisites: Electronics I and teacher approval

Description: This course continues with integrated circuits, logic devices, microprocessors, computer servicing, networking fundamentals and router technologies. Methods of troubleshooting electronic equipment are introduced as the student works through the lab experiences and computer repair through Detwiller Foundation Computers for School Program Repair Center.

Course Title: Graphic Arts I..... CREDIT: 3.0

2 semesters – 3 periods – Possible community college credit (AM only)

Grades Eligible: 11, 12

Prerequisites: Keyboarding

Description: In this course, students will have the opportunity to learn the Macintosh computer. You will be using programs such as, Page Maker and Illustrator. These programs will enable you to design your own letterhead, business cards, forms, brochures, t-shirts and much more. You will also learn the basics of darkroom procedures and direct to plate and an ITEK camera. You will also master basic skills of the offset press. This class is full of fun!

Course Title: Graphic Arts II CREDIT: 3.0

2 semesters – 3 periods – Possible community college credit

Grades Eligible: 12

Prerequisites: Graphic Arts 1 and teacher approval

Description: In this course, concepts of basic offset printing are reviewed. Students will have the opportunity to master entry level competencies introduced in the first year program. Under the guidance of the instructor, second year students will actually operate an in-plant print shop.

Course Title: HVAC/R I..... CREDIT: 3.0

2 semesters – 3 periods -Possible community college credit (AM only)

Grades Eligible: 11, 12

Prerequisites: none

Description: The HVAC/R field is part of a growing Technical-trades Industry. This course is designed to provide you, the student, with a fundamental understanding and working knowledge in the fields of Heating, Ventilation, Air Conditioning, and Refrigeration. Students will study all phases of HVAC/R applications, fundamental circuitry/ schematics reading, and troubleshooting electrical, mechanical, and refrigeration's systems. You will also be given the opportunity to take the EPA certification testing on site (at an additional fee) as well as testing for field certification in residential, light commercial, and heat pump application.

Course Title: Advanced HVAC/R II CREDIT: 3.0

2 semesters – 3 periods - Possible community college credit (AM only)

Grades Eligible: 12

Prerequisites: HVAC/R 1 and teacher approval

Description: The second year student will train light commercial systems applications, in-depth trouble shooting of circuitry, mechanical, and refrigeration systems. While in training you will be given the opportunity to learn the practical application of recovery equipment and other service tools specific to the trade. You will also be allowed to choose focus areas to train in such as building energy management, sheet-metal design and fabrications, estimating and layout. Time will also be spent preparing for industry certification.

Course Title: Landscape Horticulture I..... CREDIT: 3.0
2 semesters – 3 periods - Possible community college credit

Grades Eligible: 11, 12

Prerequisites: None

Description: This course is designed to provide knowledge and practical experience in the care and identification of ornamental plants (flowers, trees, and shrubs). Activities include starting plants from seeds and vegetative plant parts, green house operation, drawing landscape plans, floral design, pruning practices, and lawn establishment and care. Upon completion of this course, students may choose to be tested for certification as a Level 1 Missouri Certified Nursery and Landscape Professional. A testing fee is required.

Course Title: Landscape Horticulture II CREDIT: 3.0
2 semesters – 3 periods - Possible community college credit

Grades Eligible: 12

Prerequisites: Landscape Horticulture 1 and teacher approval

Description: Students may specialize in areas such as greenhouse operations, nursery management, landscape maintenance, landscape installations and floral arrangements. Those students who maintain a “C” average or better and a good attendance record may be released for work/study program in the fourth quarter of their second year. Upon completion of this course, students may choose to be tested for certification as an Advanced Level Missouri Certified Nursery and Landscape Professional. A testing fee is required.

Course Title: Machine Tool Technology I CREDIT: 3.0
2 semesters – 3 periods – Possible community college credit (AM only)

Grades Eligible: 11, 12

Prerequisites: Algebra I or equivalent

Description: This course is designed to prepare students for entry-level manufacturing jobs as a machinist. Students will learn to operate a power saw, drill press, lathe, mill, grinder, fabrication and resurfacing of cutting tools. Students will also interpret designs, drawings, and specifications and analyze quality control data.

Course Title: Machine Tool Technology II CREDIT: 3.0
2 semesters – 3 periods – Possible community college credit (AM only)

Grades Eligible: 12

Prerequisites: Machine Tool Tech. I and teacher approval

Description: This course is a continuation of Machine Tool Technology I. Students will also work with computerized numerical control (CNC) machine tool operation and Electric Discharge Machine operation. Students in the second semester of this course will be expected to complete an approved internship.

Course Title: Marketing I..... CREDIT: 3.0
2 semesters – 3 periods – Possible community college credit (AM only)

Grades Eligible: 11, 12

Prerequisites: None

Description: This course is designed to help students learn the basic concepts and practices of marketing within our society. Students will gain an in-depth understanding of the many elements of marketing, business management, and selling. Activities include the development, pricing, promotion, and distribution of various types of goods and services. Students enrolled in this program will gain “real world” experiences through the operation of a mini-scale store. This is an ideal course for those students who have a career interest in marketing or management.

Course Title: Marketing II..... CREDIT: 3.0

2 semesters – 3 periods – Possible community college credit (PM only)

Grades Eligible: 12

Prerequisites: Marketing 1 or instructor approval

Description: This course is designed to provide students with an overview of the activities associated with the marketing of goods and services to customers. Students will gain an understanding of the role of retailing within a free-enterprise society, and the concepts and practices necessary for successfully carrying out the retail functions. This is an ideal course for those students who have a career interest in marketing or management. Students enrolled in this course will also participate in the Marketing Internship program for paid, on-the-job training in a marketing occupation. Students may be released up to two periods from the regular school day to complete the on-the-job portion of this class. Those students working a minimum of 180 hours per semester (10 hours a week) will be released one period, and those working 360 hours per semester (20 hours a week) will be released two periods, Participation in the Internship is not automatic. The instructor must approve the training site during the first week of class.

Course Title: Internship in Marketing CREDIT: .5

½ credit per semester minimum of 180 hours; 1 credit per semester minimum of 360 hours

Programs are individualized.

Grades Eligible: 12

Prerequisites: Application and instructor approval

Description: This is a cooperative program with business and industry which provides supervised paid on-the-job training in a marketing occupation. The Marketing II class must be taken in conjunction with the work experience. Students may be released up to two (2) periods from the regular school day. If the student's work program is after 3:00 pm, he/she may be released up to two (2) periods from the regular school day. It is optimal for students remain in the same workstation for the length of the program. Students must have prior instructor approval to change workstations.

Course Title: Welding I..... CREDIT: 3.0

2 semesters – 3 periods - Possible community college credit

Grades Eligible: 11, 12

Prerequisites: None

Description: Students enrolling in Welding I receive approximately 450 hours of intense welding instruction by a certified welding instructor in Oxyacetylene Welding and Cutting, Shielded Metal Arc Welding, Gas Metal Arc Welding and Gas Tungsten Arc Welding based on guidelines set forth by the American Welding Society and the American Society of Mechanical Engineers. This instruction will start students on the path for a successful future in the field of welding.

Course Title: Welding II CREDIT: 3.0

2 semesters – 3 periods - Possible community college credit

Grades Eligible: 12

Prerequisites: Welding 1 and teacher approval

Description: Welding II solidifies everything learned in Welding I and allows time for more in-depth training. By demonstrating advanced levels of skill performance, the student can complete Welding II as a certified welder.

**PROJECT LEAD THE WAY
(Pre-Engineering Courses)**

U.S. industry is looking to America’s schools to help solve the country’s high-tech staffing crisis. Project Lead The Way is a pre-engineering curricula, software, and teacher training program that can help schools forge new generations of engineers. Research shows – and continues to confirm – that students introduced to engineering principles, concepts, and real-world problems in high school (through PLTW courses) are better prepared for college engineering programs – and more likely to be successful.

Students enrolled in any of the Project Lead the Way courses may be eligible to receive dual college credit at numerous universities across the nation, including Missouri S & T.

Course Title: Project Lead The Way Block I (PLTW1).....Credit: 3.0

2 semesters – 3 periods – Possible college credit

Grades Eligible – 11, 12 Grade (A.M. only)

Prerequisites - students must be taking a college preparatory sequence of math courses (at least Algebra 1 or Algebra B in Grade 9, Geometry in Grade 10, and Algebra II in Grade 11) and be interested in the field of engineering

This block will include two PLTW courses: Intro to Engineering Design and Principles of Engineering. It will be offered during the **AM CTC** block. PLTW is a sequence of courses which, when combined with traditional mathematics and science courses in high school, introduces students to the scope, rigor, and discipline of engineering prior to entering college.

This block will include:

Intro to Engineering Design – In this course students use a problem-solving model to improve existing products and invent new ones. They learn how to apply this model to solve problems in and out of the classroom. Using sophisticated three-dimensional modeling software, students communicate the details of the products. Emphasis is placed on analyzing potential solutions and communicating ideas to others.

Principles of Engineering - This introductory course explores the wide variety of careers in engineering and technology and covers various technology systems and manufacturing processes. Using activities, projects, and problems, students learn firsthand how engineers and technicians use math, science, and technology in an engineering problem-solving process to benefit people. The course also addresses concerns about social and political consequences and technological change.

Course Title: Project Lead The Way Block II (PLTW2).....Credit: 3.0

2 semesters – 3 periods – Possible college credit

Grades Eligible – 12 Grade (P.M. only)

Prerequisites – completion of PLTW I and teacher recommendation

PLTW II is offered during the afternoon CTC block. This course will continue to offer students project-based, hands-on experience to teach students the key elements and skills of engineering and technology-based careers by immersing them in rigorous engineering problems.

This block will include:

Digital Electronics - Students use computer simulation to learn about the logic of electronics as they design, test, and actually construct circuits and other electronic devices.

Computer Integrated Manufacturing - Students learn concepts of robotics and automated manufacturing by creating three-dimensional designs using computer modeling software. After designs are electronically created, students actually produce models of their design.

Engineering Design and Development – Teams of students, guided by community mentors, work together to research, design, and construct solutions to engineering problems.

EMBEDDED/DUAL CREDIT

Course Title: Embedded Math (Embedded Credit).....Credit: 1.0

Grades Eligible: 11 or 12

Prerequisites: Enrollment in a CTC career education program

Description: Students enrolled in a career education program may earn 1 credit of math in one academic year. Embedded math requires students to use practical mathematics to solve technical, real-life problems. Students must complete an enrollment form with their counselor in order to be enrolled in the course. This is a competency based course so students must pass their CTC course and embedded math exam to receive credit.

Course Title: Embedded Communication Arts (Embedded Credit). Credit: .5

Grades Eligible: 11, 12

Prerequisites: Enrollment in a CTC career education

Description: Students enrolled in a career education program may earn ½ credit per academic year in Communication Arts. This technical writing course requires students to complete industry specific writing. Students must complete an enrollment form with their counselor in order to be enrolled in the course. It is suggested the student and counselor ensure that the credit is needed before requesting enrollment.

Course Title: Technical Mathematics (Dual Credit).....Credit: 3.0

Grades Eligible: 11 or 12

Prerequisites: Enrollment in a CTC career education and successful completion of Algebra I

Description: The technical math course at CTC is offered in conjunction with Mineral Area College. Students enrolled at the career center have the opportunity to gain three hours of college credit through Mineral Area College. Technical math is a dual enrollment course that allows the student to gain college credit while in high school. CTC will pay for the student to be enrolled in this course so there is no fee for the student who wishes to enroll in Tech Math. It is a course that covers a broad range of mathematical concepts from algebra to trigonometry. Students are expected to complete their assignments independent from their career class.

PLANNING GUIDE

Freshman

Required:

| | |
|-------------|------------|
| Theology/PE | 1.0 |
| English I | 1.0 |
| Civics | 1.0 |
| Math | 1.0 |
| Science | 1.0 |
| Electives | <u>2.0</u> |
| | 7.0 cr |

Sophomore

Required:

| | |
|-----------------|------------|
| Theology/Health | 1.0 |
| English II | 1.0 |
| World History | 1.0 |
| Math | 1.0 |
| Science | 1.0 |
| Electives | <u>2.0</u> |
| | 7.0 cr |

Junior

Required:

| | |
|--------------|------------|
| Theology/PE | 1.0 |
| English 3-4 | 1.0 |
| Amer History | 1.0 |
| Math | 1.0 |
| Science | 1.0 |
| Electives | <u>2.0</u> |
| | 7.0 cr |

Senior

Required:

| | |
|--------------|------------|
| Theology | .5 |
| English 3-4 | 1.0 |
| Pers Finance | .5 |
| Electives | <u>5.0</u> |
| | 7.0 cr |

Band, Campus Ministry, A.M. Weight Training, A.M. Theology IV Dual Credit, and Men's Choir classes begins at 7:30 a.m. The periods assigned below are not necessarily the period the required or elective courses are taken. It does, however, give a good indication of the amount of unscheduled time a student may have.

1. Fill in the electives you have taken and are going to take.
2. List the credit you earned each year.
3. Check that you are meeting the requirements for graduation.

CREDITS: Freshman Year _____
 Sophomore Year _____
 Junior Year _____
 Senior Year _____

TOTAL CREDITS: _____

FRESHMAN YEAR

Per. Sem.1 Sem.2 cr.

| | | | |
|---|--------------------------------|--|--|
| 1 | Theology (3 days)/P.E.(2 days) | | |
| 2 | English I | | |
| 3 | Civics | | |
| 4 | Math | | |
| 5 | Lunch | | |
| 6 | Science | | |
| 7 | | | |
| 8 | | | |

Total _____

SOPHOMORE YEAR

Per. Sem.1 Sem.2 cr.

| | | | |
|---|-----------------------------------|--|--|
| 1 | Theology (3 days)/Health (2 days) | | |
| 2 | English II | | |
| 3 | World History | | |
| 4 | Math | | |
| 5 | Lunch | | |
| 6 | Science | | |
| 7 | | | |
| 8 | | | |

Total _____

JUNIOR YEAR

Per. Sem.1 Sem.2 cr.

| | | | |
|---|-----------------------------|--|--|
| 1 | Theol (3 days)/P.E.(2 days) | | |
| 2 | English III | | |
| 3 | American History | | |
| 4 | Math | | |
| 5 | Lunch | | |
| 6 | Science | | |
| 7 | | | |
| 8 | | | |

Total _____

SENIOR YEAR

Per. Sem.1 Sem.2 cr.

| | | | |
|---|------------------|--|--|
| 1 | Theol (3 days) | | |
| 2 | English IV | | |
| 3 | Personal Finance | | |
| 4 | | | |
| 5 | Lunch | | |
| 6 | | | |
| 7 | | | |
| 8 | | | |

Total _____