

**GROSS  
CATHOLIC  
HIGH SCHOOL**



**CURRICULUM GUIDE**

**2010 - 2011**

# **MISSION STATEMENT**

*Daniel J. Gross Catholic High School is a faith and family based community committed to developing Christian leaders through educational excellence in the Marianist tradition.*



## **CHARACTERISTICS OF MARIANIST EDUCATION**

- *Educate for formation in faith*
- *Provide an integral, quality education*
- *Educate in family spirit*
- *Educate for service, justice, and peace*
- *Educate for adaptation and change*

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# GENERAL REGISTRATION INFORMATION

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## DEFINITIONS & TERMS

**Credit** - As a general rule, classes meeting on a daily basis for two semesters yield one full credit each year. Classes that meet for one semester only yield one half credit each year.

**GPA** - Grade Point Average - determined by averaging the numerical value of letter grades received in any given grading period.

**Accumulated GPA** - determined by averaging the last semester average with that of previous semesters at Gross Catholic High School.

**Rank-In-Class** - determined by using the cumulative GPA that is calculated according to the following formula:

### Regular Classes

A = 4  
B = 3  
C = 2  
D = 1  
F = 0

### Honors/Advanced Placement Courses

A = 5  
B = 4  
C = 3  
D = 1  
F = 0

## Honors / Advanced Placement Courses

English 2 Honors  
English 3 Honors  
Advanced Placement English 4  
Honors Pre-Calculus with Trig.  
Advanced Placement Calculus  
Calculus II / III Honors  
Advanced Placement Statistics  
Advanced Placement Computer Science  
Network Design & Mgmt. 1 Honors

Network Design & Mgmt. 2 Honors  
World History Honors  
Advanced Placement World History  
Advanced Placement American History  
Advanced Placement American Gov't  
Advanced Placement Spanish 5  
Advanced Placement Biology  
Advanced Placement Chemistry  
Advanced Placement Physics

*Students enrolled in AP courses have the option of taking the AP exam and may potentially earn college/university credit based on the exam score and individual college/university guidelines.*

## Honor Roll -

High Honors - awarded to students maintaining a 3.75 or higher average for the quarter, with no "D's", "F's" or "U's".

Honors - awarded to students maintaining a 3.25 - 3.74 average for the quarter, with no "D's", "F's" or "U's".

**Teacher Recommendation** - In order to register for some courses, a student must receive a recommendation from either a previous teacher or the teacher currently assigned to the class.

**Failures** - Failures in required courses are generally made up by repeating the courses at Gross Catholic High School. However, a maximum number of two credits taken outside of Gross Catholic will be accepted.

## Required Minimum Class Load -

Freshmen, Sophomores & Juniors	3.5 credits per semester
Seniors	3.0 credits per semester

## Graduation Requirements

Theology	4.0
English	4.0
Math	3.0
Life Science (includes Biology, Adv. Biology, AP Biology, Anatomy & Physiology)	1.0
Earth Science (includes Physical Science, Global Science, Chemistry, AP Chemistry, Physics, AP Physics)	1.0
Science Elective (listed above)	1.0
World History	1.0
American History	1.0
American Government	0.5
Social Studies Elective (includes World Geography, Sociology, Psychology, Criminal Justice, AP World History)	0.5
Physical Education	0.5
Physical Education Elective (includes Individual & Team Sports, Lifetime Sports & Wellness, (Intro) Strength & Conditioning)	0.5
Speech	0.5
Technology (includes Technology, Intro to Journalism & Desktop Publishing, Intro to Web Page)	0.5
Electives	5.5
<b>*Total Required Credits</b>	<b>24.5</b>
**Apostolic Outreach (see details below)	20, 25, 30, or 35 hours
<b><i>*It is recommended that students who plan to attend college take four years of science and math, and two years of a foreign language.</i></b>	

**\*\*Apostolic Outreach - The "Dux Esto" Program** - Committed to developing Christian leaders in the Marianist tradition, Daniel J. Gross Catholic High School provides a program of **apostolic outreach** that seeks to educate all students for service, justice and peace through the offering of their time, talent and treasure in service of God and their neighbor.

**This program will expect each individual to offer a total of:**

- 20 hours of charitable service during their freshman year;
- 25 hours of charitable service during their sophomore year;
- 30 hours of charitable service during their junior year; (*the Junior Retreat will count for 5 hours*)
- 35 hours of charitable service during their senior year. (*the senior Social Justice practicum will count for 10 hours*)

**A percentage of these hours will be offered every year in service of:**

- Home Parish - 4 hours minimum
- Wider Church - 4 hours minimum
- Gross Catholic - 4 hours minimum
- Local community - 4 hours minimum

**Remaining hours may be completed in any of the above-mentioned categories. All apostolic activity is to be offered in service of a non-profit organization/institution.**

**Schedule Change** - After a student has completed the registration process, there will be a \$10.00 "change of schedule fee" payable at the time of the requested change unless the change is advised through mutual consent by the school and the student.

**Student Records** - are considered confidential and contain standardized test scores, general background information, and the student's grades.

**Dropping a Class** - Students may withdraw from a course prior to the sixth week of the semester. The withdrawal will be recorded on the student's transcript, but will not affect the GPA. Any student who withdraws from a course after the sixth week of the semester will receive an "F" for the course and it will be factored into the student's GPA.

**Transcripts** - are the permanent records of all semester grades and college entrance test scores. These include grades, grade point averages, class rank, credits earned, attendance figures, and standardized test scores. This record is the property of the school and the student may request a copy. Copies may be released only by mutual consent from the student and/or legal guardian and school officials. Transcripts contain only information regarding the academic assessment of a student.

**Waiving Credits** - Under no circumstances may a state requirement be waived. However, those requirements unique to Gross Catholic may be waived by petitioning in writing for a waiver to the principal. An independent committee will judge the valid and unique reasons for a waiver. Required courses are seldom waived and exceptions must have valid reasons.

**Transfer Credits** – Every effort will be made to match courses taken at other high schools with courses offered at Gross Catholic. If an honors course is not offered to Gross Catholic students, honors weight will not be awarded for the transfer credit, but the course will be designated as an honors course on the permanent transcript.

# TECHNOLOGY PROGRAM

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Gross Catholic's technology program provides student with 21<sup>st</sup> century skills to compete in our technology-driven world. The technology-based curriculum allows student's access to a computer at all times during the day via their personal laptops and a wireless network.

Technology is a central part of our lives today. We believe that getting technology into the hands of every student greatly enhances education. Recent studies indicate that high school users that have anytime internet access and have experienced total technology integration receive higher college entrance exam scores and are better prepared for college.

Therefore, for the 2010-2011 school year, each student is expected to have a laptop to bring to every class.

## Purchasing a Laptop

There are two ways to purchase a laptop for school: (1) Order a laptop through a school group purchase with full payment due by June 1<sup>st</sup> or (2) purchase or otherwise acquire a laptop (new or used) on your own. The advantage of purchasing a laptop through the school is that we will service the laptop at school, which often saves days and weeks of laptop downtime. The student will indicate their choice when they register for classes.

### Buying a Laptop on Your Own

If you purchase a laptop on your own, it must meet the specifications outlined below. If your non-school laptop breaks, we will help with repair and recommend a particular action, but the student is ultimately responsible for any repair costs.

Students may purchase their own laptop (not through the school) **if** it meets the following specifications

- **Operating System:** Any version of Windows XP, Windows Vista, or Windows 7 is fully supported. Other operating systems such as the MacOS, Linux, and others may not be fully supported
- **RAM:** 512 MB for XP, 1.0 GB for Vista (minimum)
- **Wireless:** 802.11 a/b/g/n
- **Service:** 4 year parts and labor warranty and 4 year accidental damage protection. Accidental damage protection is highly recommended, but not required. The constant movement in a school environment can be very hard on laptops.
- **Office package:** Microsoft Office 2003 or 2007 or Open Office (free open source software.)
- **Anti Virus:** We install the school's anti-virus on your computer
- **Additional Requirements:** Students that purchase a laptop on their own need to bring their laptop to school during the summer so we can install the school's anti-virus, make an image of their laptop, and connect it to the school network. This configuration is time intensive, so there will be an additional \$50 service fee if students decide to purchase or acquire a laptop on their own. Specific instructions for bringing in the laptop will be mailed at the beginning of the summer.

## Rules and Guidelines

All students will need to abide by the school rules and guidelines outlined in the school handbook relating to the use of technology. Students with newly purchased laptops will receive technology training during their regular class schedule.

# ONLINE LEARNING PROGRAM-A Hybrid Approach

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**Gross Catholic's online learning program** provides students with skills to compete in an increasingly technology-driven world. The hope is to prepare students to complete coursework or to perhaps complete degrees online as they continue in higher education. The U.S. Distance Learning Association (2007) reports that over 2.5 million college students have taken one or more classes online. Furthermore, the U.S. Department of Education (2005) found that 38% of public high schools offer distance learning, with 72% of districts planning to expand their online course offerings. Preparing students for future success and providing a technologically sound education are, therefore, the goals of this program.

Gross Catholic's online learning program will take the form of hybrid classes. A hybrid class is one that combines online learning with the security and convenience of bi-monthly, face-to-face, traditional classes. These face-to-face classes are required, but students may elect to meet with their teacher more often if they wish. Students will complete coursework online through the use of technologies like blogs, video lecture, and virtual labs. Learning will also rely heavily on reading and written response. In order to be successful in this type of class, students must possess:

- Strong reading comprehension skills
- The ability to clearly articulate answers through written assignments
- Organization and self-motivation
- The ability to work independently
- The ability to turn work in on time
- Internet and Microsoft Office computer skills
- Time to work on coursework outside of school (5-10 hours per week)
- The ability to thoughtfully participate in online discussions

**In addition to traditionally formatted classes, these classes have been designed as hybrid classes for the 2010-2011 school year:**

- AP English 4
- English 3 Honors
- Contemporary Literature
- AP Statistics
- Accounting
- Network Design and Management 1 Honors
- Network Design and Management 2 Honors
- Introduction to Flash Programming

**Sophomores, Juniors, or Seniors wishing to participate in the program must meet general program requirements. In addition, students:**

- Must have daily access to a computer.
  - Computers equipped with high speed internet and Microsoft XP 2003 or 2007
  - Computers may need certain software to run required course material
- Must obtain **current teacher's and online learning teacher's recommendaton** via signature on course registration form.
- Must possess basic technical skills which will be required to be successful in this online learning program.
- Must realize that participation in online discussions is essential to success in this course and his/her participaton will adhere to the standards set up by Gross Catholic High School. Students must recognize

there will be disciplinary consequences, which may include dismissal from the class, if they initiate or engage in improper discussions or behavior online.

- Must be responsible for coordinating and attending face-to-face meetings with his/her online learning instructor.
- Must be prepared to spend 5-10 hours per week preparing and participating in each online course.

**\*\*\*Hybrid classes are limited to 10 students and will be filled on a first-come, first-served basis. Gross Catholic may elect not to offer a course due to insufficient class enrollment. \*\*\*Course work completed online will be credited as a traditional class, but will not qualify students for early graduation.**

# ONLINE LEARNING COURSE DESCRIPTIONS

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**English 3 Honors [132O]** Covers an in-depth study of American literature. It will take a thematic as well as an historical approach, covering the major authors, characteristics and literary movements. In addition, students will be writing formal research papers, critical essays, and completing a unit of writing for colleges and careers. This course is for juniors who have demonstrated an exceptional level of excellence in writing and literature and the ability to work independently.

This class differs from a traditional class in that technology will play a larger role in the dissemination, sharing, reception, and assessment of class material. Because students are expected to interact and participate on a regular basis, thoughtful and timely class participation will be a significant percentage of the grade. Students considering this course over a face-to-face format must be able to clearly articulate their understanding of literature through writing, be independently motivated, and punctual in meeting deadlines (e.g. contributing to online discussions). In addition, students will take traditional, face-to-face exams throughout the year.

<b>Grade Level:</b>	<b>11</b>	<b>Term:</b>	<b>Full Year</b>
<b>Status:</b>	<b>Meets Requirement</b>	<b>Credit:</b>	<b>1.0</b>
<b>Prerequisite:</b>	<b>Teacher Recommendation</b>		

**Advanced Placement English 4 [142O]** Covers an in-depth study of British literature. The course takes a chronological approach, covering the major authors and literary movements; it will also include poetry and selected major classics of world literature and modern literature. This course is for seniors who have demonstrated an exceptional level of excellence in language arts and literature. Students complete independent reading in a variety of genres and at their own pace for a reading component of their semester grade. The reading component grade is based on the number of works completed. Additionally, all seniors complete an Archdiocesan Assessment Project. The optional AP Literature and Composition exam is offered on a national testing date in the spring. Advanced placement credit may be earned if the student earns a score within the range accepted by the college/university the students plans to attend.

This class differs from a traditional class in that technology will play a larger role in the dissemination, sharing, reception, and assessment of class material. Because students are expected to interact and participate on a regular basis, thoughtful and timely class participation will be a significant percentage of the grade. Students considering this course over a face-to-face format must be able to clearly articulate their understanding of literature through writing, be independently motivated, and punctual in meeting deadlines (e.g. contributing to online discussions).

<b>Grade Level:</b>	<b>12</b>	<b>Term:</b>	<b>Full Year</b>
<b>Status:</b>	<b>Meets Requirement</b>	<b>Credit:</b>	<b>1.0</b>
<b>Prerequisite:</b>	<b>Teacher Recommendation</b>		

**Contemporary Literature [450O]** Survey of post-modern literature from 1946 to the present. Includes reading and discussion of poems, essays, short stories, plays, and novels representative of the global and multicultural nature of contemporary society. Students will guide the course content by selecting approximately 4 novels and other supplemental works.

<b>Grade Level:</b>	<b>10, 11, 12</b>	<b>Term:</b>	<b>One Semester</b>
<b>Status:</b>	<b>Elective</b>	<b>Credit:</b>	<b>0.5</b>
<b>Prerequisite:</b>	<b>Freshman English</b>		

**Advanced Placement Statistics** [475O] This course is equivalent to a non-calculus based introductory college statistics course. The course will pursue the four major themes outlined by the College Board: Exploring data and observing patterns within data, design of statistical studies, modeling of statistical phenomena, and making judgments about the reliability of these models. In a specific and conscious effort to prepare students for the Advanced Placement Statistics Exam, emphasis is based on the application of statistics and appropriate statistical methods to practical situations through the use of appropriate technological aids. Recommended for students who wish to prepare for college statistics.

This class differs from a traditional class in that technology will play a larger role in the dissemination, sharing, reception, and assessment of class material.

<b>Grade Level:</b>	<b>12</b>	<b>Term:</b>	<b>Full year</b>
<b>Status:</b>	<b>Meets Requirement</b>	<b>Credit:</b>	<b>1.0</b>
<b>Prerequisite:</b>	<b>Pre-Calculus &amp; Teacher Recommendation</b>		

**Introduction to Flash Animation** [494O] This course provides an introduction to the Flash development environment which can be used to create web page objects and animation. The course is for students who wish to learn more about creating animations and graphics for web pages.

Students will work from a tutorial textbook and then apply what they have learned to a project of their own choosing. Completed activity and project files will be posted to Edline to be checked by the instructor. Students will complete a brief chapter and project summary report as part of the evaluation. Students will also need to take part in online discussions 3 to 5 times per week related to the course material. A final Flash based project will be completed in place of the final exam.

<b>Grade Level:</b>	<b>10, 11, 12</b>	<b>Term:</b>	<b>One Semester</b>
<b>Status:</b>	<b>Elective</b>	<b>Credit:</b>	<b>0.5</b>
<b>Prerequisite:</b>	<b>Completed Geometry with an "A" or "B"</b>		

**Network Design and Management 1 Honors** [497O] This course is the first year of a two-year sequence that prepares students to take the Cisco Certified Network Associate certification exam. Students learn to install, configure, and operate simple-routed local area computer networks. In this course students will be installing and trouble shooting actual and simulated computer networks.

Students will do assigned reading from the online chapters and complete a chapter quiz online. Students will use the Cisco Packet Tracer software to setup and configure simulated networks. This software can be downloaded for free from the Cisco Network Academy web site. Completed assignments and Packet Tracer activity files will be posted to Edline to be checked by the instructor. Students will also need to take part in online discussions 3 to 5 times per week related to the course material. The final exam will be taken in class during the regular exam week.

<b>Grade Level:</b>	<b>11, 12</b>	<b>Term:</b>	<b>Full year</b>
<b>Status:</b>	<b>Elective</b>	<b>Credit:</b>	<b>1.0</b>
<b>Prerequisite:</b>	<b>Completed Geometry with an "A" or "B"</b>		

**Network Design and Management 2 Honors** [498O] This course is the second year of a two year sequence that prepares students to take the Cisco Certified Network Associate certification exam. Topics include configuring switches for virtual local area networks and routers for wide area networks. In this course students will also learn the maintenance and security aspects of wired and wireless networks through the use of actual and simulated network equipment.

Students will do assigned reading from the online chapters and complete a chapter quiz online. Students will use the Cisco Packet Tracer software to setup and configure simulated networks. This software can be downloaded for free from the Cisco Network Academy web site. Completed assignments and Packet Tracer activity files will be posted to Edline to be checked by the instructor. Students will also need to take part in online discussions 3 to 5 times per week related to the course material. The final exam will be taken in class during the regular exam week.

<b>Grade Level:</b>	<b>12</b>	<b>Term:</b>	<b>Full year</b>
<b>Status:</b>	<b>Elective</b>	<b>Credit:</b>	<b>1.0</b>
<b>Prerequisite:</b>	<b>Network Design &amp; Management 1</b>		

**Accounting** [670O] This course will focus on teaching students the accounting cycle for a sole proprietorship while introducing them to accounting concepts for partnerships and corporations. Lessons will be taught from the vantage point of a small business owner and students will be given overall perspective in other areas of running their own company. Discussions on business ethics will be included throughout the semester. This course is recommended for those interested in a career in a business-related field or those who are interested in accounting as a course of study in college.

This class differs from a traditional class in that technology will play a larger role in the dissemination, sharing, reception, and assessment of class material.

<b>Grade Level:</b>	<b>10, 11, 12</b>	<b>Term:</b>	<b>One Semester</b>
<b>Status:</b>	<b>Elective</b>	<b>Credit:</b>	<b>0.5</b>
<b>Prerequisite:</b>	<b>None</b>		

# COURSE DESCRIPTIONS: 2010-2011

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## ***THEOLOGY***

**Theology 1** [101] This course introduces the student to Roman Catholic Christianity through an in-depth study of the four pillars of the Catholic faith. Focus will be given to the creed, morality, liturgy and sacraments, and prayer with a recognition that Sacred Scripture is a constant and connecting theme of the four pillars. In addition, the vision of Father William Chaminade S.M. and Marianist spirituality will be introduced.

<b>Grade Level:</b>	<b>9</b>	<b>Term:</b>	<b>Full Year</b>
<b>Status:</b>	<b>Required</b>	<b>Credit:</b>	<b>1.0</b>
<b>Prerequisite:</b>	<b>None</b>		

**Theology 2** [102] This course introduces the Hebrew Scriptures using a historical, cultural, and theological framework to apply the stories and themes to our lives. Students will also explore the Christian Testament, particularly the Gospels, as a source of discovering Jesus. They will examine the political and religious world of Jesus, the daily life of his people, his birth and early life, his preaching of the Kingdom of God, his special words and actions particularly his parables and miracles, and his death and resurrection and their significance for the church's evolving understanding of Jesus through history. Through the study of Sacred Scripture the student will be invited to enter and/or deepen a personal relationship with Jesus Christ.

<b>Grade Level:</b>	<b>10</b>	<b>Term:</b>	<b>Full Year</b>
<b>Status:</b>	<b>Required</b>	<b>Credit:</b>	<b>1.0</b>
<b>Prerequisite:</b>	<b>None</b>		

**Theology 3** [103] Students will reflect on the roots of Catholicism to better appreciate our history and heritage. Students will explore and understand Christianity's Judaic roots and the spread of Christianity throughout the world. Students will gain an understanding of the role of the Church in the shaping of history, politics, and culture. Students will also understand some of the effects of various movements within the Roman Catholic Church such as the Church Councils, Monasticism, the lives of saints and popes, the rise of cathedrals, Protestant Reformation and Catholic renewal, and missionary efforts. Students will also explore the development of the Church in the United States and Northeast Nebraska.

In addition, a moral framework will be presented whereby the student is challenged to accept the role of being a responsible Catholic. Christian virtues and values, Gospel teachings, and the Ten Commandments will be used to help the student explore what it means to be made in the image and likeness of God. Students will understand the theological and moral virtues as a means of conscience formation. Christian morality, with discussion on specific moral issues, is presented as a guide to help the student achieve his or her potential in the light of Catholic Church teachings and directives.

<b>Grade Level:</b>	<b>11</b>	<b>Term:</b>	<b>Full Year</b>
<b>Status:</b>	<b>Required</b>	<b>Credit:</b>	<b>1.0</b>
<b>Prerequisite:</b>	<b>None</b>		

**Theology 4** [104] Relates the teaching of Jesus and His Church to the struggles for justice and peace in our lives today. Students will consider the Christian vision of a just world and with God's help the call to personal transformation using the process called the Pastoral Circle. Students will complete an action project that includes ten hours of responding to injustices in the community at large.

Through a study of Christian lifestyles the student will gain a clearer understanding of the four lifestyle paths; marriage, consecrated life, single and ordained clergy. Students will be challenged to develop Christian values, in light of Jesus' two greatest commandments, and carry these values and attitudes into their future vocations and relationships. Particular attention will be focused on Catholic Christian marriage, emphasizing its scriptural and sacramental character as well as Church teachings, doctrine, and guidance.

<b>Grade Level:</b>	<b>12</b>	<b>Term:</b>	<b>Full Year</b>
<b>Status:</b>	<b>Required</b>	<b>Credit:</b>	<b>1.0</b>
<b>Prerequisite:</b>	<b>None</b>		

**Senior Seminar in Apologetics** [105] Classic Roman Catholic apologetics applied to contemporary issues; or "Why does the Church teach what it teaches and how does it apply to me?" Using a mix of classical philosophy, metaphysics and Roman Catholic dogmatic theology, this class will attempt to address student-initiated topics regarding faith, spirituality and life in the 21st century. Students will be exposed to Catholic thought and teaching through classroom lecture and discussion as well as classic and contemporary literature and movies. The course may be taken for two consecutive semesters.

<b>Grade Level:</b>	<b>12</b>	<b>Term:</b>	<b>One Semester</b>
<b>Status:</b>	<b>Elective</b>	<b>Credit:</b>	<b>0.5</b>
<b>Prerequisite:</b>	<b>None</b>		

## **ENGLISH**

**English 1** [110] Consists of a program of reading, writing, speaking and listening in an orientation to literature focusing on a variety of literary genres. Emphasis is also placed on a review of grammar and basic writing skills especially the five paragraph essay. This course is for freshmen that can progress at normal grade-level pace. Placement is based on test scores and elementary school recommendation.

<b>Grade Level:</b>	<b>9</b>	<b>Term:</b>	<b>Full Year</b>
<b>Status:</b>	<b>Required</b>	<b>Credit:</b>	<b>1.0</b>
<b>Prerequisite:</b>	<b>None</b>		

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**English Fundamentals 1** [111] Provides basic instruction in language, literature, and composition. It is intended for students who would benefit from a basic review of and/or intensive instruction in English; including grammar, usage, sentence structure, paragraph development, as well as the six traits of writing. Students will complete many practice exercises which will help to improve their grasp of written English and to prepare them for future composition courses. Students will also be introduced to basic literary terms as well as the different genres of literature. Students will read selected literary works including short stories, novels, poems, and plays and discuss literal and inferential details to reinforce their basic comprehension. Placement is based on test scores and recommendations.

<b>Grade Level:</b>	<b>9</b>	<b>Term:</b>	<b>Full Year</b>
<b>Status:</b>	<b>Meets Requirement</b>	<b>Credit:</b>	<b>1.0</b>
<b>Prerequisite:</b>	<b>Dept. Recommendation</b>		

**Advanced English 1** [112] Consists of an advanced program of literature and writing with a review of grammar. Assignments will be made from a literary anthology, a grammar text, novels, and dramatic works. This course is for freshmen that have demonstrated by test scores and teacher recommendation that they can progress at an accelerated rate. Since literature is studied at an accelerated pace, an essential qualification for this course is a love of reading.

<b>Grade Level:</b>	<b>9</b>	<b>Term:</b>	<b>Full Year</b>
<b>Status:</b>	<b>Meets Requirement</b>	<b>Credit:</b>	<b>1.0</b>
<b>Prerequisite:</b>	<b>Above average test scores &amp; teacher recommendation</b>		

**English 2** [120] Consists of several segments: expository writing, mythology, Shakespeare, and selected classics of literature. Expository writing skills of planning, organizing and writing are taught and integrated with the study of the literary topics of adolescent themes, heroism and justice. This course is for sophomores who can progress at normal grade-level pace. For the independent reading component of their semester grade, students complete reading in a variety of genres and at their own pace. The independent reading component grade is based on the number of works completed.

<b>Grade Level:</b>	<b>10</b>	<b>Term:</b>	<b>Full Year</b>
<b>Status:</b>	<b>Required</b>	<b>Credit:</b>	<b>1.0</b>
<b>Prerequisite:</b>	<b>None</b>		

**English 2 Honors** [122] Consists of several segments: expository writing, mythology, Shakespeare, the literary topics of heroism and justice, personal journeys, several classics of literature and multicultural literature. This course is for sophomores who have demonstrated an exceptional ability in language arts and literature, can read and comprehend above grade level, have mastered basic writing skills, and can work independently. There is an emphasis on reading and writing, an essential requirement for this course is a love of reading. For the independent reading component of their semester grade, students complete reading in a variety of genres and at their own pace. The independent reading component grade is based on the number of works completed.

<b>Grade Level:</b>	<b>10</b>	<b>Term:</b>	<b>Full Year</b>
<b>Status:</b>	<b>Meets Requirement</b>	<b>Credit:</b>	<b>1.0</b>
<b>Prerequisite:</b>	<b>Teacher Recommendation</b>		

**English 3** [130] Takes a thematic as well as an historical approach to American literature, covering the major authors, characteristics, and literary movements. In addition, students will be writing formal research papers, critical essays, and completing a unit of writing for colleges and careers. This course is for juniors who can progress at normal grade-level pace. For the independent reading component of their semester grade, students complete reading in a variety of genres and at their own pace.

<b>Grade Level:</b>	<b>11</b>	<b>Term:</b>	<b>Full Year</b>
<b>Status:</b>	<b>Required</b>	<b>Credit:</b>	<b>1.0</b>
<b>Prerequisite:</b>	<b>None</b>		

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**English 3 Honors** [132] Covers an in-depth study of American literature. It will take a thematic as well as an historical approach, covering the major authors, characteristics and literary movements. In addition, students will be writing formal research papers, critical essays, and completing a unit of writing for colleges and careers. This course is for juniors who have demonstrated an exceptional level of excellence in writing and literature and the ability to work independently. For the independent reading component of their semester grade, students complete reading in a variety of genres and at their own pace.

<b>Grade Level:</b>	<b>11</b>	<b>Term:</b>	<b>Full Year</b>
<b>Status:</b>	<b>Meets Requirement</b>	<b>Credit:</b>	<b>1.0</b>
<b>Prerequisite:</b>	<b>Teacher Recommendation</b>		

**English 4** [140] Consists of a chronological approach combining selected works from modern literature, British literature, and world literature. Students work on improving their writing through critical analysis, personal response, and creative writing. This course is for seniors who can progress at normal grade-level pace. For the independent reading component of their semester grade, students complete reading in a variety of genres and at their own pace. The independent reading component grade is based on the number of works completed.

<b>Grade Level:</b>	<b>12</b>	<b>Term:</b>	<b>Full Year</b>
<b>Status:</b>	<b>Required</b>	<b>Credit:</b>	<b>1.0</b>
<b>Prerequisite:</b>	<b>None</b>		

**Advanced Placement English 4** [142] Covers an in-depth study of British literature. The course takes a chronological approach, covering the major authors and literary movements; it will also include poetry and selected major classics of world literature and modern literature. This course is for seniors who have demonstrated an exceptional level of excellence in language arts and literature. College credit may be earned if the student earns a minimum score on the optional AP exams offered in the spring. For the independent reading component of their semester grade, students complete reading in a variety of genres and at their own pace. The independent reading component grade is based on the number of works completed.

<b>Grade Level:</b>	<b>12</b>	<b>Term:</b>	<b>Full Year</b>
<b>Status:</b>	<b>Meets Requirement</b>	<b>Credit:</b>	<b>1.0</b>
<b>Prerequisite:</b>	<b>Teacher Recommendation.</b>		

## **COMMUNICATION ARTS**

**Introduction to Journalism and Desktop Publishing** [150] Students will learn the basic structure of student publications, yearbook and newspaper. Students will be introduced to the skills necessary to produce student publications: photography (both traditional and digital), layout and design, interviewing, copy writing, and desktop publishing. Students will take and develop their own photos, and complete a desktop publishing project. Students will also be introduced to MS Word, Excel, and learn appropriate uses of technology. This course is for students who wish to learn more about all areas of journalism and who may wish to participate in future journalism classes. May be taken in place of Intro. to Data Processing Technology.

<b>Grade Level:</b>	<b>9, 10, 11</b>	<b>Term:</b>	<b>One Semester</b>
<b>Status:</b>	<b>Elective;</b>	<b>Credit:</b>	<b>0.5</b>
	<b>Meets Technology Requirement</b>		
<b>Prerequisite:</b>	<b>None</b>		

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**Yearbook Production** [151] Covers all facets of publication of the school yearbook, including interviewing and reporting, writing, editing, photography, layout, art work, and desktop publishing. Each student shares responsibilities in publishing a section of the yearbook. This is for students who wish to be on the yearbook staff.

**Grade Level:** 10, 11, 12                      **Term:** Full Year  
**Status:** Elective                                      **Credit:** 1.0  
**Prerequisite:** Teacher Recommendation

**Newspaper Production** [152] Covers all facets of publication of the school newspaper, including reporting, writing, editing, layout, photography, artwork, and advertising. Students share responsibilities in publishing the school paper.

**Grade Level:** 10, 11, 12                      **Term:** Full Year  
**Status:** Elective                                      **Credit:** 1.0  
**Prerequisite:** Teacher Recommendation

**Introduction to Web Page Design** [153] Students will learn the basics of xhtml and web design including use of Adobe Dreamweaver and Fireworks. This course is for students that wish to learn about web page development and may wish to help with the development of the various school web page projects. Students should have the ability to focus and follow precise directions, expertise in file management, experience with various web browsers and using Microsoft Notepad, and the ability to type 30 words per minute.

**Grade Level:** 9, 10, 11, 12                      **Term:** One Semester  
**Status:** Elective;                                      **Credit:** 0.5  
Meets Technology Requirement  
**Prerequisite:** None

**Advanced Web Page** [154] Covers all facets of design and updating a school web site, including interviewing and reporting, writing, page design, graphics, scripting, and advertising. Students share the responsibilities of updating the school web site using Dreamweaver and Fireworks.

**Grade Level:** 10, 11, 12                      **Term:** One Semester  
**Status:** Elective;                                      **Credit:** 0.5  
Meets Technology Requirement  
**Prerequisite:** Teacher Recommendation and/or Intro to Web Page Design

**Black and White Film-Based Photography** [157] Students will learn how to use a 35-mm, all manual Single Lens Reflex camera. Students will also learn to process black and white film and develop both contact sheets and prints in the darkroom. Students will demonstrate understanding of both the camera and basic composition skills through a series of specific assignments. Students will also learn to scan prints and how to adjust the photos in Photoshop. All images will be part of a PowerPoint presentation. The final exam will include a PowerPoint photo essay. 35-mm film cameras will be checked out to the students. There will also be some digital only assignments using both compact and digital SLR cameras. This course is for, but not limited to, students who want to continue in journalism as a photographer or staff member.

**Grade Level:** 9, 10, 11, 12                      **Term:** One Semester  
**Status:** Elective                                      **Credit:** 0.5  
**Prerequisite:** None

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**Speech [161]** Major focus is to build self-confidence by preparing and delivering speeches. Students will study several aspects relating to communication. Research methods and organizational skills are stressed. Verbal and nonverbal delivery skills are practiced. Students will enhance presentations using Microsoft Power Point and other visual media.

<b>Grade Level:</b>	<b>9, 10, 11, 12</b>	<b>Term:</b>	<b>One Semester</b>
<b>Status:</b>	<b>Required</b>	<b>Credit:</b>	<b>0.5</b>
<b>Prerequisite:</b>	<b>None</b>		

**Competitive Speech [162]** Students will study the theory, preparation, and delivery techniques of the forensic categories in oral interpretation, drama, and public speaking. Students will prepare and deliver speeches from the forensic categories listed above and compete in speech tournaments with the opportunity to earn medals at the varsity and novice levels.

<b>Grade Level:</b>	<b>9, 10, 11, 12</b>	<b>Term:</b>	<b>Full Year</b>
<b>Status:</b>	<b>Meets Requirement</b>	<b>Credit:</b>	<b>1.0</b>
<b>Prerequisite:</b>	<b>Teacher Recommendation</b>		

**Academic Decathlon [165]** This class studies various academic areas including social studies, math, language and literature, science, fine arts, and economics in order to prepare for competitions. Participants chosen for actual competition (both regional and state) will be determined by their success on practice tests, participation in the study sessions, and evidence of effort outside of study sessions. Competitions include Academic Decathlon events, River City Conference Academic Challenge, and Bellevue University and other available quiz bowls.

<b>Grade Level:</b>	<b>9, 10, 11, 12</b>	<b>Term:</b>	<b>One Semester</b>
<b>Status:</b>	<b>Elective</b>	<b>Credit:</b>	<b>0.5</b>
<b>Prerequisite:</b>	<b>Teacher Recommendation</b>		

**Creative Writing [169]** Students will examine the structures and methods used by professional writers and create their own short stories, poems, essays, and plays by practicing these techniques. They will be responsible for compiling and publishing the creative writing magazine, participating in class projects, and submitting works to contests and literary journals. A portfolio of their own short stories, poems, essays, and plays will be prepared.

<b>Grade Level:</b>	<b>9, 10, 11, 12</b>	<b>Term:</b>	<b>One Semester</b>
<b>Status:</b>	<b>Elective</b>	<b>Credit:</b>	<b>0.5</b>
<b>Prerequisite:</b>	<b>None</b>		

## **WORLD LANGUAGES**

**Spanish 1 [210]** Stresses the four basic communicative skills of listening, speaking, writing, and reading. Students will study the cultures of the people who speak Spanish. Students need good listening and study skills in order to be successful.

<b>Grade Level:</b>	<b>9, 10, 11, 12</b>	<b>Term:</b>	<b>Full Year</b>
<b>Status:</b>	<b>Elective</b>	<b>Credit:</b>	<b>1.0</b>
<b>Prerequisite:</b>	<b>None</b>		

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**Spanish 2** [211] Students will continue to develop the skills of speaking, reading, writing, and listening. The goal of this class is to enable students to communicate using appropriate language and verb tenses while making use of all four skills. Students will study the cultures of the people who speak Spanish.

<b>Grade Level:</b>	<b>9, 10, 11, 12</b>	<b>Term:</b>	<b>Full Year</b>
<b>Status:</b>	<b>Elective</b>	<b>Credit:</b>	<b>1.0</b>
<b>Prerequisite:</b>	<b>Spanish 1</b>		

**Spanish 3** [212] Continued development of communication skills in Spanish. Students will explore the civilization and culture of the Spanish-speaking world through literature and the use of the Internet. Students will study a variety of topics dealing with practical day to day language. They will use the language in conversation, discussions, and projects.

<b>Grade Level:</b>	<b>10, 11, 12</b>	<b>Term:</b>	<b>Full Year</b>
<b>Status:</b>	<b>Elective</b>	<b>Credit:</b>	<b>1.0</b>
<b>Prerequisite:</b>	<b>Spanish 2 &amp; Teacher Recommendation</b>		

**Spanish 4** [213] Will enable students to communicate in Spanish while using specialized grammar and vocabulary. Students will strive to achieve a higher level of performance using all communications skills. Students will improve reading skills while studying short stories and a novel. Students will practice communication skills in class and receive frequent written and oral projects. Students will explore the civilization and culture of the Spanish speaking world through literature and use of the Internet.

<b>Grade Level:</b>	<b>11, 12</b>	<b>Term:</b>	<b>Full Year</b>
<b>Status:</b>	<b>Elective</b>	<b>Credit:</b>	<b>1.0</b>
<b>Prerequisite:</b>	<b>Spanish 3 &amp; Teacher Recommendation</b>		

**Advanced Placement Spanish 5** [214] A continuation of advanced foreign language course work. Students will expand and refine oral communication skills as well as grammar and composition skills through the study of Spanish and Latin American literary selections. Advanced placement credit may be earned if a student chooses to take the exam offered in the spring.

<b>Grade Level:</b>	<b>12</b>	<b>Term:</b>	<b>Full Year</b>
<b>Status:</b>	<b>Elective</b>	<b>Credit:</b>	<b>1.0</b>
<b>Prerequisite:</b>	<b>Spanish 4 &amp; Teacher Recommendation</b>		

**French 1** [220] Students will be introduced to the French language and the culture of France. This class will stress the four basic communicative skills of listening, speaking, writing, and reading. Students need good listening and study skills in order to be successful.

<b>Grade Level:</b>	<b>9, 10, 11, 12</b>	<b>Term:</b>	<b>Full Year</b>
<b>Status:</b>	<b>Elective</b>	<b>Credit:</b>	<b>1.0</b>
<b>Prerequisite:</b>	<b>None</b>		

**French 2** [221] Students will build upon the language skills learned in level one using the basic communicative skills of listening, speaking, reading and writing. The students will continue to learn about the French people and the unique attributes of their culture.

<b>Grade Level:</b>	<b>9, 10, 11, 12</b>	<b>Term:</b>	<b>Full Year</b>
<b>Status:</b>	<b>Elective</b>	<b>Credit:</b>	<b>1.0</b>
<b>Prerequisite:</b>	<b>French 1</b>		

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**French 3** [222] The student will refine usage of the four basic communicative skills of listening, speaking, reading and writing. Students will communicate using more specialized vocabulary, grammar, and structures. The students will continue to learn about the culture and history of France.

<b>Grade Level:</b>	<b>10, 11, 12</b>	<b>Term:</b>	<b>Full Year</b>
<b>Status:</b>	<b>Elective</b>	<b>Credit:</b>	<b>1.0</b>
<b>Prerequisite:</b>	<b>French 2 &amp; Teacher Recommendation</b>		

**French 4** [223] Will enable students to communicate in French while using specialized grammar and vocabulary. The students will refine skills and will strive to achieve a higher level of performance using all communication skills. Emphasis will especially be placed on oral communication.

<b>Grade Level:</b>	<b>11, 12</b>	<b>Term:</b>	<b>Full Year</b>
<b>Status:</b>	<b>Elective</b>	<b>Credit:</b>	<b>1.0</b>
<b>Prerequisite:</b>	<b>French 3 &amp; Teacher Recommendation</b>		

## **SOCIAL STUDIES**

**World History** [313] Study of the major themes during the modern era of world history. Topics of study begin with Renaissance and Reformation and conclude with the World War II era. The emphasis of this course is to discuss the political, social, and economic changes associated with the major events of the modern era.

<b>Grade Level:</b>	<b>10</b>	<b>Term:</b>	<b>Full Year</b>
<b>Status:</b>	<b>Required</b>	<b>Credit:</b>	<b>1.0</b>
<b>Prerequisite:</b>	<b>None</b>		

**World History Honors** [315] This is a course in Western Civilization with special emphasis on reading, writing, and research. This course is designed for sophomores that have demonstrated by test scores and teacher recommendation that they can progress at an accelerated pace showing higher cognitive abilities. First semester topics include various studies on the Renaissance progressing to the French Revolution. Second semester's topics begin with the Industrial Revolution and will focus on the major political, economic, and social events and changes that have shaped 20th century history.

<b>Grade Level:</b>	<b>10</b>	<b>Term:</b>	<b>Full Year</b>
<b>Status:</b>	<b>Meets Requirement</b>	<b>Credit:</b>	<b>1.0</b>
<b>Prerequisite:</b>	<b>Above average test scores &amp; teacher recommendation</b>		

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**World Geography [316]** This course will begin with an introduction to the Five Themes of Geography and the development of map skills. Throughout the semester political maps of each region will be completed. The remainder of the semester will be spent studying the different regions of the world, specifically looking at the physical environment, culture and people, economic activities, and political issues of each region.

<b>Grade Level:</b>	<b>9, 10, 11, 12</b>	<b>Term:</b>	<b>One Semester</b>
<b>Status:</b>	<b>Meets Requirement</b>	<b>Credit:</b>	<b>0.5</b>
<b>Prerequisite:</b>	<b>None</b>		

**American History [320]** Investigates the major historical topics and events in the development of the United States during the last part of the 19<sup>th</sup> century and throughout the 20<sup>th</sup> century. The first semester will focus on the Age of Imperialism during the 1890's – early 1900's to the Great Depression years. The second semester will encompass the time period from World War II to the key historical events of the 1990's. Reading, writing, and research will be emphasized in studying a variety of historical themes.

<b>Grade Level:</b>	<b>11</b>	<b>Term:</b>	<b>Full Year</b>
<b>Status:</b>	<b>Required</b>	<b>Credit:</b>	<b>1.0</b>
<b>Prerequisite:</b>	<b>None</b>		

**Advanced Placement American History [324]** Students will investigate major themes in American history, such as American colonization and independence, the building of the American nation, sectional strife and Civil War, westward expansion, industrialization and the progressive movement, United States as they enter the world scene, the 1920's and 1930's, and the emerging role of America after World War II. An interest in reading (textbook, outside reading and research) and the analysis of historical themes is necessary. An option of taking the Advanced Placement Test for college credit is available.

<b>Grade Level:</b>	<b>11</b>	<b>Term:</b>	<b>Full Year</b>
<b>Status:</b>	<b>Meets requirement</b>	<b>Credit:</b>	<b>1.0</b>
<b>Prerequisite:</b>	<b>Teacher Recommendation</b>		

**American Government [330]** Students will become acquainted with the structure and function of government with emphasis on the federal, state, and local levels. Content areas include the Constitution and civil rights, the presidency, Congress, federal courts, and the Nebraska Unicameral. Students must read from the textbook, and participate in classroom discussions, lectures, and simulations.

<b>Grade Level:</b>	<b>12</b>	<b>Term:</b>	<b>One Semester</b>
<b>Status:</b>	<b>Required</b>	<b>Credit:</b>	<b>0.5</b>
<b>Prerequisite:</b>	<b>None</b>		

**Advanced Placement American Government [334]** Study of the Constitutional underpinnings of democracy in the U.S., political beliefs and behavior of individuals, political parties and interest groups, the Congress, presidency, federal courts, and the bureaucracy, civil liberties and civil rights. Students should have an interest in the American political process, and the ability to do honors level work as demonstrated in previous Social Studies classes. Students have the option to take the Advanced Placement Test for college credit.

<b>Grade Level:</b>	<b>12</b>	<b>Term:</b>	<b>One Semester</b>
<b>Status:</b>	<b>Meets requirement</b>	<b>Credit:</b>	<b>0.5</b>
<b>Prerequisite:</b>	<b>Teacher Recommendation</b>		

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**Advanced Placement World History** [336] Students will undertake an examination of human history spanning from approximately 8000 B.C. to the present. The five overarching themes identified by the College Board will provide a framework for these studies. Emphasis will be placed on knowledge of the general facts of world history, analysis of primary sources, comparisons between cultures and evaluation of changes and continuity within cultures over time. This course is recommended for students who intend to major in history or a related social science in college. This class is designated as "independent study" and as such the student must have one available free period in their daily schedule to allow for assessments, etc.

<b>Grade Level:</b>	<b>12</b>	<b>Term:</b>	<b>Full year</b>
<b>Status:</b>	<b>Elective</b>	<b>Credit:</b>	<b>1.0</b>
<b>Prerequisite:</b>	<b>Grade A or B in both Advanced Placement American History and Honors Junior English, overall academic merit, signature of the Advanced Placement World History instructor.</b>		

**Sociology** [350] This course is an introduction to basic sociological concepts along with the study of current issues and trends in American society. The primary focus of this course is on topics which have relevance to high school students. Such topics include cultural values and laws that shape our behavior, adolescent behavior, social deviance and control, racial and ethnic relations, and family life. This course is for students who are interested in a variety of issues that face today's society.

<b>Grade Level:</b>	<b>10, 11, 12</b>	<b>Term:</b>	<b>One Semester</b>
<b>Status:</b>	<b>Meets Requirement</b>	<b>Credit:</b>	<b>0.5</b>
<b>Prerequisite:</b>	<b>None</b>		

**Psychology** [375] An introduction to the basic concepts of psychology. The course will give an overview of psychology in the areas of research, behavior, learning, and human development. Recommended for students planning a people-oriented career in psychology, social service, health, or the criminal justice system.

<b>Grade Level:</b>	<b>10, 11, 12</b>	<b>Term:</b>	<b>One Semester</b>
<b>Status:</b>	<b>Meets Requirement</b>	<b>Credit:</b>	<b>0.5</b>
<b>Prerequisite:</b>	<b>None</b>		

**Introduction to Criminal Justice** [380] Students will learn about the various aspects of the criminal justice system. The focus of the class will be how the police, courts, and correctional system work together to reduce and prevent crime, prosecute those accused of breaking the law, and punish those who break the law in order to protect the public and reduce crime. This class is recommended for any student who is planning to major in criminal justice or is interested in working in the criminal justice field.

<b>Grade Level:</b>	<b>10, 11, 12</b>	<b>Term:</b>	<b>One Semester</b>
<b>Status:</b>	<b>Meets Requirement</b>	<b>Credit:</b>	<b>0.5</b>
<b>Prerequisite:</b>	<b>None</b>		

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# **MATHEMATICS**

**Pre-Algebra** [410] Reviews basic mathematical operations and introduces algebraic concepts. The course will provide a review of whole numbers, decimals, and fractions within the context of algebraic concepts, e.g., variables, similar terms, and exponents. Students will begin to learn methods of solving equations, performing operations on signed numbers, and using formulas. The course will use real life situations to illustrate how Algebra fits into the real world.

**Grade Level:** 9  
**Status:** Meets Requirement  
**Prerequisite:** Placement exam scores and teacher recommendation  
**Term:** Full Year  
**Credit:** 1.0

**Algebra 1** [420] The study of the structure of the real number system and the basic concepts involved in this structure; algebraic terminology, the number lines, variables, polynomials, factoring, problem solving, rational, irrational numbers, and graphing linear equations. Recommendations are based on entrance test scores and eighth grade teacher input.

**Grade Level:** 9, 10  
**Status:** Meets Requirement  
**Prerequisite:** Placement exam scores & teacher recommendation for 9<sup>th</sup> grade; Pre-algebra for 10<sup>th</sup> grade  
**Term:** Full Year  
**Credit:** 1.0

**Geometry** [432] Students will study the rules of logic and the construction of formal proofs. The properties of parallel lines, triangles, polygons, and circles will also be explored. Right triangle trigonometry is introduced, as well as planar and space measurements. Algebra is incorporated into the solution of problems throughout the course.

**Grade Level:** 9, 10, 11  
**Status:** Meets Requirement  
**Prerequisite:** Algebra 1  
**Term:** Full Year  
**Credit:** 1.0

**Algebra 2** [440] Concentrated study of the structure and theory of the real number system. Includes a review of first-year Algebra, but with more emphasis on understanding structure. Equation solving and its application to the solution of word problems are also emphasized. The concepts of relations and functions are developed, including linear and quadratic relations and functions. Graphing calculators are required and used throughout the course.

**Grade Level:** 10, 11, 12  
**Status:** Meets Requirement  
**Prerequisite:** Algebra 1, Geometry & Teacher Recommendation  
**Term:** Full Year  
**Credit:** 1.0

**Advanced Algebra 2** [445] Expands the student's knowledge of Algebra and develops further applications of previous courses, while preparing them for future Mathematics classes. Includes all of Algebra 2 as well as polynomial, radical, and rational functions. Various Discrete Mathematics topics will also be incorporated in this course. Graphing calculators are required and used extensively throughout the course.

**Grade Level:** 10, 11, 12  
**Status:** Meets Requirement  
**Prerequisite:** Algebra 1, Geometry & Teacher Recommendation  
**Term:** Full Year  
**Credit:** 1.0

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**Advanced Placement Statistics [475]** This course is equivalent to a non-calculus based introductory college statistics course. The course will pursue the four major themes outlined by the College Board: Exploring data and observing patterns within data, design of statistical studies, modeling of statistical phenomena, and making judgements about the reliability of these models. In a specific and conscious effort to prepare students for the Advanced Placement Statistics Exam, emphasis is placed on the application of statistics and appropriate statistical methods to practical situations through the use of appropriate technological aids. Recommended for students who wish to prepare for college level statistics.

<b>Grade Level:</b>	<b>12</b>	<b>Term:</b>	<b>Full Year</b>
<b>Status:</b>	<b>Meets Requirement</b>	<b>Credit:</b>	<b>1.0</b>
<b>Prerequisite:</b>	<b>Honors Pre-Calc with Trig or Trig &amp; Statistics &amp; Teacher Recommendation</b>		

## **COMPUTER SCIENCE**

**Computer Aided Drafting [491]** This course will introduce students to the basic concepts, skills and techniques used in technical drawing and drafting. In addition to other work, students will spend most of their class time using Auto CAD to create diagrams of objects and structures. This course is recommended for students considering careers in engineering, architecture, drafting or graphic design.

<b>Grade Level:</b>	<b>10, 11, 12</b>	<b>Term:</b>	<b>One Semester</b>
<b>Status:</b>	<b>Elective</b>	<b>Credit:</b>	<b>0.5</b>
<b>Prerequisite:</b>	<b>Completed Geometry with an "A" or "B" and signature of CAD instructor</b>		

**Computer Programming – Java [493]** This course provides an introduction to the Java programming language. Students will define variables and arrays, apply loop structures, and solve problems using logical statements. Students will create, compile, and run simple demonstration programs and a few more extensive programming projects. This course is for students who wish to learn the Java language that forms the basis for many other languages including C++, JavaScript, Perl, Python and PHP. Students planning to take AP Computer Science must take this course as an introduction to the Java language.

<b>Grade Level:</b>	<b>10, 11, 12</b>	<b>Term:</b>	<b>One Semester</b>
<b>Status:</b>	<b>Elective</b>	<b>Credit:</b>	<b>0.5</b>
<b>Prerequisite:</b>	<b>Completed Geometry with an "A" or "B"</b>		

**Introduction to Flash Animation [494]** This course provides an introduction to the Flash development environment which can be used to create web page objects and animation. Students follow written directions as they work independently on learning activities and self-directed projects. The course is for students who wish to learn more about creating animations and graphics for web pages.

<b>Grade Level:</b>	<b>10, 11, 12</b>	<b>Term:</b>	<b>One Semester</b>
<b>Status:</b>	<b>Elective</b>	<b>Credit:</b>	<b>0.5</b>
<b>Prerequisite:</b>	<b>Completed Geometry with an "A" or "B" and teacher recommendation</b>		

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**Advanced Placement Computer Science** [495] This course focuses on two areas: computer program development and program design issues. Students will learn well-known algorithms and data structures; read program documentation including pre- and post- conditions, and write well-structured solutions in the Java language to solve problems. This course is intended to serve both as an introductory course in college level computer science for students intending to major in computer science in college, as well as students that plan to major in other disciplines that require computer programming skills.

<b>Grade Level:</b>	<b>11, 12</b>	<b>Term:</b>	<b>One Semester</b>
<b>Status:</b>	<b>Elective</b>	<b>Credit:</b>	<b>0.5</b>
<b>Prerequisite:</b>	<b>Computer Programming – Java</b>		

**Network Design and Management 1 Honors** [497] This course is the first year of a two-year sequence that prepares students to take the Cisco Certified Network Associate Test. Students learn to install, configure, and operate simple-routed local area computer networks. This is a hands-on course where students will be installing and trouble shooting actual computer networks. Students interested in a career in computers or networking should consider taking this course.

<b>Grade Level:</b>	<b>11, 12</b>	<b>Term:</b>	<b>Full year</b>
<b>Status:</b>	<b>Elective</b>	<b>Credit:</b>	<b>1.0</b>
<b>Prerequisite:</b>	<b>Completed Geometry with an "A" or "B"</b>		

**Network Design and Management 2 Honors** [498] This course is the second year of a two year sequence that prepares students to take the Cisco Certified Network Associate certification exam. Topics include configuring switches for virtual LANs and routers for non-TCP/IP protocols.

<b>Grade Level:</b>	<b>12</b>	<b>Term:</b>	<b>Full year</b>
<b>Status:</b>	<b>Elective</b>	<b>Credit:</b>	<b>1.0</b>
<b>Prerequisite:</b>	<b>Network Design &amp; Management 1</b>		

**Computer Assistant** [499] Students will work with the technology support staff on computer support issues. Students will help students, faculty, and staff solve computer and network related problems. Students should possess a working knowledge of Windows and Office applications and be willing to share that knowledge with others.

<b>Grade Level:</b>	<b>11, 12</b>	<b>Term:</b>	<b>One Semester</b>
<b>Status:</b>	<b>Elective</b>	<b>Credit:</b>	<b>0.5</b>
<b>Prerequisite:</b>	<b>Introduction to Computer Repair</b>		

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## SCIENCE

**Biology [530]** Life science course that deals with the following topics: cell and cell chemistry, principles of heredity, bacteria, multicellular plants, vertebrate animals, invertebrate animals and human anatomy, environmental issues, and classification. Recommended for freshmen with average reading ability.

<b>Grade Level:</b>	<b>9</b>	<b>Term:</b>	<b>Full Year</b>
<b>Status:</b>	<b>Meets Life Science Reqmt.</b>	<b>Credit:</b>	<b>1.0</b>
<b>Prerequisite:</b>	<b>None</b>		

**Advanced Biology [540]** Students will be required to do in-depth work covering various topics, including but not limited to cells and cell chemistry, genetics and heredity, taxonomy, bacteria, plants, vertebrate and invertebrate animals, human anatomy, and ecosystems. Recommended for freshmen with above average reading and reasoning skills.

<b>Grade Level:</b>	<b>9</b>	<b>Term:</b>	<b>Full Year</b>
<b>Status:</b>	<b>Meets Life Science Reqmt.</b>	<b>Credit:</b>	<b>1.0</b>
<b>Prerequisite:</b>	<b>Above average reading scores &amp; teacher recommendation</b>		

**Advanced Placement Biology [542]** This course is designed to be the equivalent of a college introductory biology course. Topics which are covered include organic molecules, cells, cellular metabolic reactions, genetics, and diversity of organisms, structure and function of plants and animals, as well as ecology. AP Biology includes both a lecture portion as well as an extensive laboratory portion. This course is for students who plan further study in the area of science. The option of taking the advanced placement exam in the spring to receive college credit is available.

<b>Grade Level:</b>	<b>11, 12</b>	<b>Term:</b>	<b>Full Year</b>
<b>Status:</b>	<b>Meets Life Science Reqmt.</b>	<b>Credit:</b>	<b>1.0</b>
<b>Prerequisite:</b>	<b>Biology &amp; Chemistry &amp; teacher recommendation</b>		

**Physical Science [545]** Students will work with the scientific method and its use in problem solving. Basic lab skills will be developed along with an understanding of the relationship between science and mathematics. Students will develop math, graph, and note-taking skills. Content material includes atomic structures, chemical reactions, and various forms of energy, machines, waves and sound. A four to six week unit on geology will finish the semester of chemistry. Also, a four to six week unit on astronomy will finish the 2nd semester physics section. Recommended for sophomores with average math and reading ability.

<b>Grade Level:</b>	<b>10</b>	<b>Term:</b>	<b>Full Year</b>
<b>Status:</b>	<b>Meets Earth Science Reqmt.</b>	<b>Credit:</b>	<b>1.0</b>
<b>Prerequisite:</b>	<b>None</b>		

**Global Science [550]** Students will study various areas of science and math as they relate to real world issues. Topics discussed include basic ecological principles, human and animal interactions with the environment, the role of science in environmental, societal, and pollution issues and natural resources management. A research paper will be assigned to assist in debates of future energy sources.

<b>Grade Level:</b>	<b>11, 12</b>	<b>Term:</b>	<b>Full Year</b>
<b>Status:</b>	<b>Meets Earth Science Reqmt.</b>	<b>Credit:</b>	<b>1.0</b>
<b>Prerequisite:</b>	<b>2 years of science and math &amp; teacher recommendation</b>		

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**Chemistry [555]** Provides an overview of the principles of chemistry and their application. Students will study the properties of elements and compounds, and the reactions between them. Atomic structure, energy of reactions, behavior of acids and bases and organic chemistry are some of the topics covered. Knowledge of basic chemistry is a necessary background for any college science course. Students with an interest in any science career should enroll in this course.

<b>Grade Level:</b>	<b>10, 11, 12</b>	<b>Term:</b>	<b>Full Year</b>
<b>Status:</b>	<b>Meets Earth Science Reqmt.</b>	<b>Credit:</b>	<b>1.0</b>
<b>Prerequisite:</b>	<b>Teacher recommendation</b>		

**Advanced Placement Chemistry [558]** This course is designed to be the equivalent of a college general chemistry course. Topics which are covered include atomic theory and structure, bonding, gases, solutions, reactions, kinetics, stoichiometry, equilibrium, as well as thermodynamics. AP Chemistry includes both a lecture portion as well as an extensive laboratory portion. This course is for students who plan further study in the areas of science, mathematics, or engineering. The option of taking the advanced placement exam in the spring to receive college credit is available.

<b>Grade Level:</b>	<b>11, 12</b>	<b>Term:</b>	<b>Full Year</b>
<b>Status:</b>	<b>Meets Earth Science Reqmt.</b>	<b>Credit:</b>	<b>1.0</b>
<b>Prerequisite:</b>	<b>Algebra, Chemistry &amp; teacher recommendation</b>		

**Physics [560]** Topics to be covered include the laws of motion, force, momentum, forms of energy, and light. Concepts will be stressed with a mathematical emphasis on problem solving. This course is recommended for the student planning a college major in a math or science-related field, such as engineering or health care, or students seeking to understand their physical environment from a mathematical point of view.

<b>Grade Level:</b>	<b>11, 12</b>	<b>Term:</b>	<b>Full Year</b>
<b>Status:</b>	<b>Meets Earth Science Reqmt.</b>	<b>Credit:</b>	<b>1.0</b>
<b>Prerequisite:</b>	<b>Knowledge of Algebra and basic Trig as well as teacher recommendation</b>		

**Engineering Physics [562]** This course will introduce students to physics concepts related to engineering including statics, dynamics, energy, electricity, and electronics, with a special emphasis on engineering problem solving and documentation. In addition, students will further develop skills in electronic data collection and spreadsheet development for data analysis. This course is recommended for students interested in engineering or becoming involved in the competitive engineering or robotics teams. NOTE: This is a project based course which may require that students purchase project materials. Projects costs vary depending on the design and materials used by the student.

<b>Grade Level:</b>	<b>10, 11, 12</b>	<b>Term:</b>	<b>One Semester</b>
<b>Status:</b>	<b>Elective</b>	<b>Credit:</b>	<b>0.5</b>
<b>Prerequisite:</b>	<b>Knowledge of Algebra and basic Trig as well as teacher recommendation</b>		

**Advanced Placement Physics [564]** This course includes topics in both classical and modern physics. Knowledge of algebra and basic trigonometry is required. Basic ideas of calculus may be introduced in connection with the physical concepts such as acceleration and work. Understanding basic principles and applying these principles to solve problems is the major goal of this course. This course is for students that plan further study in the areas of science, mathematics, or engineering. An option of taking the advanced placement test in the spring for college credit is available.

<b>Grade Level:</b>	<b>11, 12</b>	<b>Term:</b>	<b>Full Year</b>
<b>Status:</b>	<b>Meets Earth Science Reqmt.</b>	<b>Credit:</b>	<b>1.0</b>
<b>Prerequisite:</b>	<b>Physics and teacher recommendation</b>		

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**Anatomy and Physiology [570]** Lecture, lab-oriented course designed to meet the needs of the advanced biology student. The course covers the basic concepts and terminology of cytology, histology and microbiology. The nervous, skeletal, circulatory, digestive, muscular lymphatic, respiratory, reproductive and endocrine systems are studied. Students will perform detailed dissections of animals. Recommended for students interested in medical careers, physical education or other related fields.

<b>Grade Level:</b>	<b>11, 12</b>	<b>Term:</b>	<b>Full Year</b>
<b>Status:</b>	<b>Meets Life Science Reqmt.</b>	<b>Credit:</b>	<b>1.0</b>
<b>Prerequisite:</b>	<b>Biology &amp; Chemistry &amp; teacher recommendation</b>		

## **BUSINESS**

**Introduction to Data Processing Technology [620]** Designed for the student who has *very limited* formal experience with technology, this course will focus on the fundamental elements of data processing. Initial course focus will be on teaching and developing proper keyboarding techniques. Students will be introduced to Microsoft Office software most heavily utilized at Gross Catholic. Internet safety and computer ethics will also be emphasized. (\*) Students who are proficient keyboarders and who have mastered Microsoft Word, Excel, and Power Point are encouraged to pursue alternate courses to meet their technology requirement (e.g. Introduction to Web Page Design, Introduction to Journalism).

<b>Grade Level:</b>	<b>9</b>	<b>Term:</b>	<b>One Semester</b>
<b>Status:</b>	<b>Meets Technology Requirement</b>	<b>Credit:</b>	<b>0.5</b>
<b>Prerequisite:</b>	<b>(*) None</b>		

**Accounting [670]** This course will focus on teaching students the accounting cycle for a sole proprietorship while introducing them to accounting concepts for partnerships and corporations. Lessons will be taught from the vantage point of a small business owner and students will be given overall perspective in other areas of running their own company. Discussions on business ethics will be included throughout the semester. This course is recommended for those interested in a career in a business-related field or those who are interested in accounting as a course of study in college. This class is also available online (see online course listings) for highly motivated students with strong reading and study skills.

<b>Grade Level:</b>	<b>10, 11, 12</b>	<b>Term:</b>	<b>One Semester</b>
<b>Status:</b>	<b>Elective</b>	<b>Credit:</b>	<b>0.5</b>
<b>Prerequisite:</b>	<b>None</b>		

**Personal Finance [680]** This course will expose students to basic financial concepts in order to prepare them for sound decision making while in the real world. Subjects include job hunting and maximization of disposable income, understanding cash flow patterns in the pursuit of assets that appreciate; practical banking knowledge, and consumer credit. Various successful alumni from the Omaha community will visit the class as guest speakers (\*). This course is recommended for focused and engaged students who are interested in learning about financial literacy.

<b>Grade Level:</b>	<b>10, 11, 12</b>	<b>Term:</b>	<b>One Semester</b>
<b>Status:</b>	<b>Elective</b>	<b>Credit:</b>	<b>0.5</b>
<b>Prerequisite:</b>	<b>None</b>		

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**Business Management** [683] Designed for the budding entrepreneur, this class explores the many facets of owning and operating a small business. Topics include becoming an entrepreneur, small business basics, starting a small business, and business ethics. This course is recommended for driven students who are considering business as a course of study in college.

<b>Grade Level:</b>	<b>10, 11, 12</b>	<b>Term:</b>	<b>One Semester</b>
<b>Status:</b>	<b>Elective</b>	<b>Credit:</b>	<b>0.5</b>
<b>Prerequisite:</b>	<b>None</b>		

## **DRAMA**

**Acting 1** [720] Students will gain a working knowledge of the stage by studying basic principles of acting. Emphasis will be placed on building confidence and poise. Students will be expected to perform acting exercises, short scenes, and a one-act from a contemporary play. Students will be expected to participate in the publicity process for a Gross High production. Students will be required to attend all Gross Catholic fine arts productions. Recommended for those who enjoy theater and would like to be more confident when performing before an audience.

<b>Grade Level:</b>	<b>9, 10, 11, 12</b>	<b>Term:</b>	<b>One Semester</b>
<b>Status:</b>	<b>Elective</b>	<b>Credit:</b>	<b>0.5</b>
<b>Prerequisite:</b>	<b>None</b>		

**Acting 2** [725] Continuation of the study of acting techniques with emphasis on movement, improvisation, and character development. Students will be expected to audition for at least one school performance during the semester. Students will be required to attend all Gross Catholic fine arts productions. Students will be expected to participate in the publicity process for a Gross High production. Students will also perform in a one-act play as a semester project. Students who wish to pursue a career in acting or polish their skills for local productions can earn points towards membership in the International Thespian Society.

<b>Grade Level:</b>	<b>10, 11, 12</b>	<b>Term:</b>	<b>One Semester</b>
<b>Status:</b>	<b>Elective</b>	<b>Credit:</b>	<b>0.5</b>
<b>Prerequisite:</b>	<b>Acting 1 &amp; teacher recommendation</b>		

**Stage Craft** [730] Basic theory and practice in technical theater projects. Concentration on designing a stage setting, building and painting flats, becoming familiar with stage lighting and sound, and learning to apply theatrical make-up for stage characters. Students will be expected to attend and/or assist with the technical aspects of a Gross Catholic Drama production. Recommended for anyone who is interested in the technical aspects of theater production.

<b>Grade Level:</b>	<b>9, 10, 11, 12</b>	<b>Term:</b>	<b>One Semester</b>
<b>Status:</b>	<b>Elective</b>	<b>Credit:</b>	<b>0.5</b>
<b>Prerequisite:</b>	<b>None</b>		

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## **MUSIC**

**Concert Band** [755] For any student who plays a woodwind, brass, or percussion instrument and wishes to play in a performance-oriented instrumental ensemble. Students will improve performance skills and expand their knowledge of instrumental music. All band members will study various styles of music ranging from concert band to marching band, solo / ensemble literature, and pep band. Scheduled performances include four concerts, two parades, all home football games, and several basketball and volleyball games.

<b>Grade Level:</b>	<b>9, 10, 11, 12</b>	<b>Term:</b>	<b>Full Year</b>
<b>Status:</b>	<b>Elective</b>	<b>Credit:</b>	<b>1.0</b>
<b>Prerequisite:</b>	<b>None</b>		

**Jazz Band** [758] Consists of performing the various styles of music in the jazz idiom. Students also learn improvisation. This course is for Concert Band students who wish to play in a jazz-oriented group. Students who play guitar, bass, or piano and are not in Concert Band may audition for membership.

<b>Grade Level:</b>	<b>10, 11, 12</b>	<b>Term:</b>	<b>Full Year</b>
<b>Status:</b>	<b>Elective</b>	<b>Credit:</b>	<b>0.5</b>
<b>Prerequisite:</b>	<b>Teacher Recommendation</b>		

**Mixed Chorus** [760] Consists of learning the basics of proper singing, studying the history of music, learning to read music, and performing for various concerts. Students must attend and participate in all scheduled rehearsals and performances, and complete occasional assignments. Recommended for students interested singing and studying vocal music.

<b>Grade Level:</b>	<b>9, 10, 11, 12</b>	<b>Term:</b>	<b>Full Year</b>
<b>Status:</b>	<b>Elective</b>	<b>Credit:</b>	<b>1.0</b>
<b>Prerequisite:</b>	<b>None</b>		

**Show Choir** [762] Students will sing and dance to pop-style music. Emphasis is placed on learning showmanship and performance skills. Students must attend and participate in all scheduled rehearsals and performances. Students must be enrolled in Concert Band and/or Chorus.

<b>Grade Level:</b>	<b>10, 11, 12</b>	<b>Term:</b>	<b>Full Year</b>
<b>Status:</b>	<b>Elective</b>	<b>Credit:</b>	<b>0.5</b>
<b>Prerequisite:</b>	<b>Audition, teacher recommendation, enrolled in Concert Band and/or Chorus</b>		

**Music Theory** [763] During this independent study, students will learn music theory from basic to advanced using the computer with direction from the music instructor. The student and instructor will establish individual goals based on the student's experience and knowledge. Offers the potential of advancing to a college-level theory class. Designed for students interested in learning the rudiments of music in more detail than can be accomplished in a performance group. Recommended for those planning to major in music in college.

<b>Grade Level:</b>	<b>10, 11, 12</b>	<b>Term:</b>	<b>One Semester</b>
<b>Status:</b>	<b>Elective</b>	<b>Credit:</b>	<b>0.5</b>
<b>Prerequisite:</b>	<b>Teacher Recommendation</b>		

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## **VISUAL ARTS**

**Introduction to Art (Art 1) [770]** Students will recognize and demonstrate the various aspects of the elements of art (line, shape, value, color, and texture). A variety of 2D and 3D projects will enable students to develop a better understanding and appreciation of art.

<b>Grade Level:</b>	<b>9, 10, 11, 12</b>	<b>Term:</b>	<b>One Semester</b>
<b>Status:</b>	<b>Elective</b>	<b>Credit:</b>	<b>0.5</b>
<b>Prerequisite:</b>	<b>None</b>		

**Pottery 1 [772]** An introduction to the 3D medium of clay. This course provides experiences in several construction methods (slab, pinch, coil, and wheel) and the use of glaze.

<b>Grade Level:</b>	<b>10, 11, 12</b>	<b>Term:</b>	<b>One Semester</b>
<b>Status:</b>	<b>Elective</b>	<b>Credit:</b>	<b>0.5</b>
<b>Prerequisite:</b>	<b>Introduction to Art (Art 1) &amp; teacher recommendation</b>		

**Pottery 2 [773]** Provides students an additional opportunity to develop and enhance the skills used in pottery with an emphasis on function. Students will create a range of projects at a higher degree of difficulty level than in Pottery 1.

<b>Grade Level:</b>	<b>11, 12</b>	<b>Term:</b>	<b>One Semester</b>
<b>Status:</b>	<b>Elective</b>	<b>Credit:</b>	<b>0.5</b>
<b>Prerequisite:</b>	<b>Pottery 1 &amp; teacher recommendation</b>		

**Design Principles (Art 2) [774]** Students will recognize and demonstrate the various aspects of the principles of design (rhythm and movement, balance, proportion, variety, emphasis, and unity). A variety of 2D and 3D projects will enable students to develop a better understanding and appreciation of art.

<b>Grade Level:</b>	<b>10, 11, 12</b>	<b>Term:</b>	<b>One Semester</b>
<b>Status:</b>	<b>Elective</b>	<b>Credit:</b>	<b>0.5</b>
<b>Prerequisite:</b>	<b>Introduction to Art (Art 1) &amp; Teacher Recommendation</b>		

**Painting [775]** Painting provides students with a basic knowledge of the historical and technical aspects of acrylic paints. Along with learning the technical aspects of painting, students will create works in five subject matters (abstract, architectural, still, life, portrait, and landscape).

<b>Grade Level:</b>	<b>11, 12</b>	<b>Term:</b>	<b>One Semester</b>
<b>Status:</b>	<b>Elective</b>	<b>Credit:</b>	<b>0.5</b>
<b>Prerequisite:</b>	<b>Introduction to Art (Art 1), Design Principles (Art 2) &amp; teacher recommendation</b>		

**Drawing [776]** Drawing provides students with a basic knowledge of the technical aspects of drawing. Students will create drawings in a variety of subject matters using several types of materials.

<b>Grade Level:</b>	<b>11, 12</b>	<b>Term:</b>	<b>One Semester</b>
<b>Status:</b>	<b>Elective</b>	<b>Credit:</b>	<b>0.5</b>
<b>Prerequisite:</b>	<b>Introduction to Art (Art 1), Design Principles (Art 2) &amp; teacher recommendation</b>		

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**Advanced Art (Art 3)** [777] Students will put their understanding of the elements of art and design to work with a special emphasis on theme. They will study the inspiration of various contemporary artists and create art works with a similar motivation. Topics may include spirituality, environment, social issues, personal memories, and historical events, among others.

<b>Grade Level:</b>	<b>11, 12</b>	<b>Term:</b>	<b>One Semester</b>
<b>Status:</b>	<b>Elective</b>	<b>Credit:</b>	<b>0.5</b>
<b>Prerequisite:</b>	<b>Design Principles (Art 2) &amp; Teacher Recommendation</b>		

**Studio Art (Art 4)** [778] Students will be provided the opportunity to complete personal art projects and develop a portfolio. Students may work in a range of media or concentrate on one. Students will be required to keep a sketchbook and will also learn how to create slides of their artwork.

<b>Grade Level:</b>	<b>11, 12</b>	<b>Term:</b>	<b>One Semester</b>
<b>Status:</b>	<b>Elective</b>	<b>Credit:</b>	<b>0.5</b>
<b>Prerequisite:</b>	<b>Advanced Art (Art 3) &amp; Teacher Recommendation</b>		

**Pottery 3** [779] This course challenges students with projects concentrating on form. Students will cultivate their own aesthetic ideas as they continue to develop their techniques.

<b>Grade Level:</b>	<b>11, 12</b>	<b>Term:</b>	<b>One Semester</b>
<b>Status:</b>	<b>Elective</b>	<b>Credit:</b>	<b>0.5</b>
<b>Prerequisite:</b>	<b>Pottery 2 &amp; Teacher Recommendation</b>		

**Intro to Graphic Design** [780] This is a beginning graphic design course. Instruction focuses on the practical and analytical process of creating graphic designs on the computer. Students will use Adobe Photoshop, Illustrator and InDesign to create basic layouts.

<b>Grade Level:</b>	<b>10, 11, 12</b>	<b>Term:</b>	<b>One Semester</b>
<b>Status:</b>	<b>Elective</b>	<b>Credit:</b>	<b>0.5</b>
<b>Prerequisite:</b>	<b>Art 1 &amp; Teacher Recommendation</b>		

**Graphic Design 2** [781] This is an advanced class for students who are experienced in the Adobe Creative Suite. Students will focus on design principles and layouts with projects including layout, logos, posters, etc.

<b>Grade Level:</b>	<b>10, 11, 12</b>	<b>Term:</b>	<b>One Semester</b>
<b>Status:</b>	<b>Elective</b>	<b>Credit:</b>	<b>0.5</b>
<b>Prerequisite:</b>	<b>Intro to Graphic Design &amp; Teacher Recommendation</b>		

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## **PHYSICAL EDUCATION**

**Introduction to Physical Education & Health** [900] This ninth grade course is designed to involve the student in activities that promote fitness through a variety of activities. The health section will focus on timely topics which will aid the student in making decisions that will promote a healthy life-style.

<b>Grade Level:</b>	<b>9</b>	<b>Term:</b>	<b>One Semester</b>
<b>Status:</b>	<b>Required</b>	<b>Credit:</b>	<b>0.5</b>
<b>Prerequisite:</b>	<b>None</b>		

**Individual and Team Sports** [910] The course is designed for grades 10 - 12 and will provide the student with instruction and participation in many different team and individual sports. This course will focus on games, regulations, and strategy as well as skill development. Students interested in maintaining an active lifestyle should sign up for this course.

<b>Grade Level:</b>	<b>10, 11, 12</b>	<b>Term:</b>	<b>One Semester</b>
<b>Status:</b>	<b>Elective; Meets Requirement</b>	<b>Credit:</b>	<b>0.5</b>
<b>Prerequisite:</b>	<b>None</b>		

**Lifetime Sports and Wellness** [915] This course is open to grades 10 - 12 and is designed to involve the student in lifetime sports that will promote fitness and wellness through exercise. The main goal of this course is to help the student become aware of lifestyle fitness concepts that can be utilized after graduation.

<b>Grade Level:</b>	<b>10, 11, 12</b>	<b>Term:</b>	<b>One Semester</b>
<b>Status:</b>	<b>Elective; Meets Requirement</b>	<b>Credit:</b>	<b>0.5</b>
<b>Prerequisite:</b>	<b>Teacher Recommendation</b>		

**Intro to Strength & Conditioning** [930] This is an introductory class with the focus on weight training and conditioning. Emphasis will be placed on safety, proper technique and the general fitness level of the student.

<b>Grade Level:</b>	<b>9, 10, 11, 12</b>	<b>Term:</b>	<b>One Semester</b>
<b>Status:</b>	<b>Elective; Meets Requirement</b>	<b>Credit:</b>	<b>0.5</b>
<b>Prerequisite:</b>	<b>None</b>		

**Strength & Conditioning** [931] The main focus of the class will be on weight training and conditioning to help enhance athletic performance and/or lifelong health and fitness.

<b>Grade Level:</b>	<b>10, 11, 12</b>	<b>Term:</b>	<b>One Semester</b>
<b>Status:</b>	<b>Elective; Meets Requirement</b>	<b>Credit:</b>	<b>0.5</b>
<b>Prerequisite:</b>	<b>Intro to Strength &amp; Conditioning &amp; Teacher Recommendation</b>		

**Sports Medicine 1** [940] Overview of the basics of athletic training, including the care, prevention, management, treatment and rehabilitation of athletic injuries. This course will examine human anatomy and CPR certification and crisis care. Students will demonstrate taping and wrapping techniques for athletic injuries. Students must complete 15 hours outside of class in the training room or game coverage under a certified athletic trainer. Recommended for college-bound students interested in coaching, athletic training, physical therapy, or medicine.

<b>Grade Level:</b>	<b>10, 11, 12</b>	<b>Term:</b>	<b>One Semester</b>
<b>Status:</b>	<b>Elective (Does not fulfill PE requirement)</b>	<b>Credit:</b>	<b>0.5</b>
<b>Prerequisite:</b>	<b>Teacher Recommendation</b>		

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**Sports Medicine 2** [941] This course is offered to students who have already completed Sports Medicine 1. Students will learn more in depth material covered in Sports Medicine 1 and learn advanced skills related to the medical field. Students will be required to complete 15 hours outside of class.

<b>Grade Level:</b>	<b>11, 12</b>	<b>Term:</b>	<b>One Semester</b>
<b>Status:</b>	<b>Elective (Does not fulfill PE Requirement)</b>	<b>Credit:</b>	<b>0.5</b>
<b>Prerequisite:</b>	<b>Sports Medicine 1 &amp; Teacher Recommendation</b>		

## **ADDITIONAL COURSE OFFERINGS**

**ACT Prep for Juniors** [950] This course, offered for juniors, consists of review material for the ACT. This course requires weekly completion of online assignments and completion of additional practice tests outside of class. This course is taught cooperatively by faculty from the English, math, science, and social studies departments. NOTE: Taken in addition to required 7 classes.

<b>Grade Level:</b>	<b>11</b>	<b>Term:</b>	<b>One Quarter</b>
<b>Status:</b>	<b>Elective</b>	<b>Credit:</b>	<b>0.25</b>
<b>Prerequisite:</b>	<b>None</b>		

**ACT Prep for Seniors** [951] This course, offered for seniors in the fall semester, consists of review material for the ACT. This course requires weekly completion of online assignments and completion of additional practice tests outside of class. This course is taught cooperatively by faculty from the English, math, science, and social studies departments. NOTE: Taken in addition to required 6 classes.

<b>Grade Level:</b>	<b>12</b>	<b>Term:</b>	<b>One Quarter</b>
<b>Status:</b>	<b>Elective</b>	<b>Credit:</b>	<b>0.25</b>
<b>Prerequisite:</b>	<b>None</b>		

**Elementary Teacher Assistant** [382] As an assistant, the student is assigned to work with a teacher at St. Bernadette Elementary School in the instruction of primary level students. This class is intended for any senior interested in a teaching career and working with young children.

<b>Grade Level:</b>	<b>12</b>	<b>Term:</b>	<b>One Semester</b>
<b>Status:</b>	<b>Elective</b>	<b>Credit:</b>	<b>0.5</b>
<b>Prerequisite:</b>	<b>Approval of Principal</b>		

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# METROPOLITAN COMMUNITY COLLEGE

## DUAL CREDIT CLASSES

**Metropolitan Community College Dual Credit Classes** are designed to provide high school **juniors and seniors** with opportunities to explore career fields. The program consists of a combination of college-level courses and on-the-job work experience.

### COURSE DESCRIPTIONS

**Automotive Technology** Students will explore several areas of the automotive repair field including electricity, battery starting/charging systems, brake systems, and suspensions. (2 year program; juniors preferred)

**Welding Technology** Students will develop marketable welding skills in Gas Metal Arc Welding (MIG) and cutting techniques. (2 year program)

**Electrical Technology** The Electrical Technology program focuses on an introduction to electrical theory as well as hands-on experience in installation and circuitry standards including home wiring and safety. (2 year program)

**Certified Nursing Assistant (CNA)** In completing this program, students will earn state recognized certification to work in the health field. A criminal background check will be conducted if you are accepted into this program. (1 year program)

**Emergency Management Technician (EMT) - Seniors only** This program prepares students as "first responders" to emergency situations. In order to participate, a student must be 18 years of age or older at the time of the certification test administered in May. (1 year program)

**Medical Office Technology - TUITION AND BOOKS PAID WITH INFORMATION TECHNOLOGY GRANT.** Students will develop skills in the area of information technology as it relates to the medical office. (1 year program)

**Small Engines/ Precision Machining** This program offers a 2 year program that allows students to obtain knowledge useful in machining careers at manufacturing facilities, industrial and commercial plants. Basic fundamentals in bench layout, basic machine tool operation, metal removal process, measuring devices and CNC (Computer Numerical Controlled) will be covered. Small Engine Repair includes troubleshooting and repair of small gas engines and power equipment. Proper procedures for testing and repairing are covered. (2 year program)

### PROGRAM INFORMATION

#### ELIGIBILITY REQUIREMENTS

- Must be a high school junior or senior
- Must be 16 years old
- Must have transportation to and from classes and internship/apprenticeship site
- Must complete an application and be selected to participate (Applications available through high school guidance counselor; due February 26th to the Guidance Office)

#### LENGTH OF PROGRAM

Students may begin the program in their **junior year** or **senior year**. Most programs are one year in length and provide the student with a solid foundation in each area of interest. The student may wish to continue taking more Metro courses that can lead to a skill certificate or an associate's degree.

#### CAMPUS LOCATION

All classes will meet at the **Metro Community College South Omaha Campus** or the **Sarpy Center** at 91st & Giles.

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## **TIME OF DAY**

Students will commit one-half of each school day to Metro classes, from approximately 1:00 p.m. – 4:00 p.m. High school class schedules will be adjusted to accommodate attendance. **During work experience (3 days per week beginning in Nov. for Year 1 students), employers may require students to work until the close of the business day, which may be 5:00 p.m. or 6:00 p.m.**

## **CALENDAR**

Students will be expected to abide by the Metro Community College schedule. If class is not in session at the high school, students will still be expected to attend Metro classes.

## **TRANSPORTATION**

Students must provide their own transportation to and from classes at the Metro locations and internship/apprenticeship sites.

## **DUAL CREDIT**

Metro Community College credit will be granted for courses taken. Based upon the time, students may complete between 15 – 28.5 credit hours of college-level coursework per year. Gross Catholic High School will issue **2 elective credits** per year toward graduation.

## **GRADES**

Grades for each course will be assigned by the Metro instructor using the criteria identified in the course syllabus. Each student will receive a course syllabus at the beginning of each class. Grades will be factored into the student's GPA at Gross Catholic.

## **WORK EXPERIENCE COMPONENT**

The work-based learning element consists of a paid internship/apprenticeship only in specific designated career fields. In the internship/apprenticeship, students work for an employer for a specific period of time to learn about a particular industry or occupation. The specific period of time in this program corresponds to the student's continued high school attendance, enrollment in the program, and good standing with the employer.

Students will apply for the internship/apprenticeship as they would for any entry-level position at the work site. This includes completing an application and/or resume, interviewing, and in some cases, drug-testing. Work experience will begin during the first year, when the student and instructor agree the student is ready. Students will work during the three weekday afternoons when class is not in session and other times that are agreed upon with the student, employer, and instructor.

**Employers may require students to work until the close of the business day, which may be 5:00 or 6:00 p.m.**

Metro Community College has worked closely with the U.S. Department of Labor Bureau of Apprenticeship and Training to develop apprenticeships/internships within approved career areas. Students who complete an apprenticeship receive a state certificate that indicates to employers that students have completed a state-certified training program.

## **COST**

**Metro tuition is in addition to Gross Catholic tuition and paid directly to Metro Community College. Specific costs for each program range from approximately \$500 to \$700 per year and are detailed in the registration packet. Rates are subject to change.** Tuition payments will be accepted by Metro Community College throughout the summer. **The absolute deadline for tuition payment is August. The college's tuition schedule is subject to change without prior notice by and at the discretion of Metro Community College. The high school student's tuition rate is approximately half that of a regular Metro student.**

## **TO REGISTER/APPLY**

- Check the selected Metro classes on the Gross Catholic "Course Selection" sheet during Gross Catholic registration and obtain your counselor's signature.
  - Ask your guidance counselor for a Metro application packet. Application packets require general information, copy of transcript, an applicant essay, counselor certification, and a teacher or counselor recommendation. These are due back to the Guidance Office by February 26th.
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- Selection to participate in the program is determined by Metropolitan Community College. Acceptance letters will be mailed in April. Students not accepted into the program will be rescheduled into Gross Catholic courses.

