

# MATER DEI CATHOLIC HIGH SCHOOL



## 2013 - 2014 CURRICULUM GUIDE

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# CURRICULUM HANDBOOK

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# **MATER DEI HIGH SCHOOL**

## **MISSION STATEMENT**

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Mater Dei, a Catholic, diocesan regional high school, nurtures the spiritual, moral, intellectual, emotional, and social growth of young men and women. In a caring environment, respectful of individual differences, her comprehensive program educates, fosters faith, and develops gospel values.

## **PHILOSOPHY AND OBJECTIVES**

Mater Dei High School is a regional Catholic school affiliated with the Roman Catholic Diocese of Belleville. Mater Dei is located in the midst of a cluster of small towns in an agriculturally-oriented part of southern Illinois on the outer edge of metro-St. Louis. The community is predominantly German Catholic and generally supportive of Mater Dei.

Rooted in Catholic belief and tradition, Mater Dei believes that every person is a unique manifestation of God's creative love. Through Baptism we have a unique Christian identity, and through identification with Jesus, we can realize our potential. Mater Dei accepts the responsibility, complementing that of parents and parishes, to foster faith and develop values based on Gospel truths.

Mater Dei recognizes the basic goodness and dignity of each person and respects the uniqueness, i.e., gifts and limitations, of each individual. Since we believe in each person's potential and responsibility for growth, the school provides a variety of opportunities to integrate the spiritual, intellectual, social, aesthetic, and physical aspects of the student through curricular and extracurricular programs.

Mater Dei is a caring community of students and parents, faculty and staff. Because we believe that people develop best in relationship with others, we continue to place a high priority on respect, cooperation, and friendliness. Most essential is a climate in which faith and values are freely communicated and lived.

In our attempt to help prepare students for their future as mature and responsible Christian adults, Mater Dei strives to provide quality academic and vocational programs suited to the talents and needs of each. These programs are designed in relation to the background and future plans of the student.

Mater Dei encourages a conscious and active faith that leads the student to ongoing personal growth and involvement within the life of the Church. Recognizing the Christian community's apostolic role in the world, we educate the student to a reverence for all life, to an awareness of the needs of the global community, and to a commitment to the values of peace and justice expressed in understanding, compassion, and service.

### **FAITH OBJECTIVES**

1. To instill in each student a sense that he/she is a unique manifestation of God's love.
2. To provide students with a knowledge of the beliefs and morals of the Catholic Church.
3. To help students experience the value of personal prayer as an integral part of Christian life.
4. To prepare students to take an active part in parish worship.
5. To develop a working relationship with parishes in the area.

### **PERSONAL OBJECTIVES**

1. To acknowledge the limitations and to identify, articulate, affirm, and nurture the gifts of each student.
2. To develop well-integrated young adults.
3. To encourage self-discipline.
4. To foster a desire for continual renewal of the spiritual, social, intellectual, and physical dimensions of each student.

### **COMMUNITY OBJECTIVES**

1. To encourage mutual respect among faculty members, among students, and among faculty and students.
2. To encourage mutual support and cooperation in all areas.
3. To celebrate diversity which enriches and enlivens the community.
4. To develop a spirit of graciousness.
5. To foster Christian leadership and witness to faith and values.

### **ACADEMIC OBJECTIVES**

1. To nurture intellectual development according to individual talents, needs, and abilities.
2. To develop the ability to think critically and creatively.
3. To enable students to communicate effectively.
4. To prepare students with the academic background necessary for post-secondary education or immediate entry into the workplace.
5. To instill an appreciation for mental discipline and lifelong learning.

### **SERVICE OBJECTIVES**

1. To instill a sense of Christian discipleship through service to others.
2. To infuse a respect for all life as a gift from a generous God.
3. To heighten awareness of the global community and foster respect for all cultures.
4. To help students appreciate their own cultural environment within the context of a broader world perspective.
5. To inculcate the values of peace and justice.
6. To foster compassion through understanding.
7. To raise awareness of the uncomfortable tension that should exist in the life of a comfortable Christian.

## **GUIDANCE SERVICES**

### **Guidance and Counseling Services**

The purpose of the guidance and counseling program is to assist each student in making realistic and satisfying decisions about his/her present and future life, academically, personally, spiritually, and vocationally. The guidance program is uniquely structured to meet these diverse needs. There are three distinct groups that make up the Guidance and Counseling Services department. The academic advisor is a teacher assigned to each class who will assist students in their course selections and scheduling as well as monitor their academic progress. The Campus Ministry personnel comprise the second part of the guidance and counseling services. The Campus Ministry program seeks to foster spiritual growth of the faculty and students by sponsoring various opportunities and activities throughout the school year. The third member of the Guidance and Counseling program is the college placement counselor. The college placement program attempts to enable students to make satisfying vocational choices through a variety of individual and group activities. Awareness of the occupational world is fostered through career seminars and an array of reference books and current periodic literature. Information, guidance, and assistance are available for students preparing for entrance tests and applying for college, financial aid, and scholarships. The Guidance office is responsible for the administration of all standardized testing, including the EXPLORE high school placement test, PLAN (pre-ACT), PSAT and ACT college entrance tests.

### **Campus Ministry**

Campus Ministry seeks to coordinate a total youth ministry reflecting the Vision Statement on Youth Ministry developed by the United States Catholic Conference. This ministry fosters personal and spiritual growth and seeks to draw young people to responsible participation in the life, mission, and work of the faith community.

The first concern of Campus Ministry is the individual student. One-on-one interaction with students and networking with a variety of helping agencies provide students with assistance when needed. In crisis situations, referrals are made through the Student Assistance Program.

Since Church is a community of individuals with different gifts, Campus Ministry programs challenge students to develop their unique talents. Campus Ministry especially strives to involve those students who are not active in any other co-curricular or extracurricular program. Leadership training and retreat facilitating are primary avenues for this type of growth.

The spiritual life of the students is enhanced by prayer and worship experiences. All-school Masses, sacramental celebrations, and prayer services are coordinated by Campus Ministry. Students have the opportunity to be involved in the planning, singing, and ministering at these services. Training is provided for Eucharistic Ministers, Lectors, and Ministers of Hospitality. Students who take part in Liturgy planning learn the basics of good liturgy.

In addition to prayer and worship, all students are provided with a day of retreat each year. These retreats are facilitated by young adults who have been specially trained and travel throughout the United States sharing their ministry.

All Mater Dei students are required to do Christian service. Campus Ministry assists with coordinating and raising awareness of service options. Retreats and other programs help fulfill these requirements. All seniors participate in the three-week Senior Service Project which is required by our diocese for graduation from high school.

Advocacy - Campus Ministry provides a comfortable atmosphere for students to air feelings and frustrations. The Campus Ministers, as much as possible, listen and seek to bring issues and concerns of young people to the appropriate office or agency.

Enablement of Youth - Campus Ministry seeks to provide opportunities for personal growth and leadership. Its Peer Ministry program enables young people to reach out and be present to their classmates in crisis situations. Liturgical trainings enable young people to take a more active role in the parish. Other programs develop skills and talents beneficial to youth.

## **ACADEMIC INFORMATION**

Mater Dei High School is fully accredited by the State Board of Education and by the North Central Association of Colleges and Secondary Schools. Credits earned at the school are accepted at any college or university in the United States. Mater Dei High School is an institutional member of the National Catholic Educational Association and a member of the Illinois High School Association.

### **Graduation and Course Requirements**

Students are required to have 24 units of credit including theology for graduation. These include 4 credits in religion (4 years), 4 credits in English (4 years), 3 credits in math, 2 credits in science, 2 credits in social studies including American history, ½ credit in consumer education, ½ credit in public speaking, ½ credit in fine arts and three weeks of a Senior Service Project in January of the senior year. For the P.E. requirement students must engage in physical education daily. Participation in band waives the P.E. requirement. Students may waive P.E. in grades 11 and 12 for the following reasons: 1) to participate in an interscholastic athletic program, 2) to enroll in an academic class required for admission to an institution of higher learning, or 3) to enroll in an academic class required for graduation from high school. Physical education in grades 9 or 10 will include one semester of health. Students must also pass a test on the U.S. Constitution, Illinois Constitution, flag, voting procedures, and Declaration of Independence to graduate. During the freshman year students will be required to take one semester of fine arts.

To receive credit from Mater Dei High School for a class taken at another institution, while enrolled at Mater Dei, the student must first seek approval from the principal.

Curriculum requirements for college admission may exceed high school graduation requirements. It is the responsibility of the student to select coursework to meet his/her specific goals.

### **Grading System**

A student will receive a letter grade for each academic course. The standard scale is as follows: A = 100 - 93, B = 92 - 85, C = 84 - 77, D = 76 - 70, F = 69 - 0. The honors scale, utilized for courses the Faculty Council has deemed accelerated, is as follows: A = 100 - 91, B = 90 - 83, C = 82 - 75, D = 74 - 68, F = 67 - 0.

For the purpose of determining a grade point average, the following quality points are assigned: A=4, B=3, C=2, D=1, and F=0. A semester grade is calculated by counting each quarter's grade as 2/5ths of the final grade and the semester exam as 1/5 of the final grade.

Incompletes may be given at the end of the first and third quarters. The time limit given for make-up work is at the decision of the teacher. Driver's Education class is not awarded credit; therefore, a P or NP is indicated on the report card.

### **Grade Point Average and Rank in Class**

Grade point average and rank in class are based on the semester grades. The total quality points are divided by the number of credits taken. This accumulative grade point average determines class rank with the averages arranged in descending order. The student with the highest grade point average (G.P.A.) ranks first, etc. All course offerings are counted in the grade point average except driver education. Rank in class is one of the most important criteria used by colleges and employers in judging the eligibility of a student or an employee.

### **Registration Procedures and Schedule Changes**

Freshmen registration takes place in February and upperclass students register in March. Prior to that time, students should review the Curriculum Guide and discuss possible course selections with teachers, class advisor, and parents. Recommendations are done for all students in english, math, science and foreign languages. For upperclassmen, the registration form is marked accordingly and a parent signature is required. It should be noted that some courses may be dropped due to enrollment or availability of appropriate personnel. Any changes in course selections requested after May 1 are not guaranteed, and a \$5 fee is charged.

### **Honor Classes - Requirements and Procedures**

Honors classes are offered at Mater Dei High School to provide additional challenge to the academically talented. Students are recommended for honors classes. For incoming freshmen, recommendations are made by the department chairperson using primarily the placement test scores, grade school teachers' recommendations, and 7<sup>th</sup> and 8<sup>th</sup> grade report cards. Upperclassmen are recommended by teachers based on their academic performance, motivation, self-discipline and sense of responsibility. The specific criteria will vary from department to department. The number of honors classes is dependent on student needs.

Students wishing to be included in honors classes who were overlooked or not selected can petition in writing for admission into the Honors Program. This written request must be signed by the parent. The departments and academic advisors will review the request and make a recommendation. This recommendation will be given to the parents and the student at a conference with his/her advisor and a department representative. At this meeting a final decision will be made. While parents and students have the right to request honors classes even when the other criteria have not been met, their continued involvement in the class will depend upon their success. In general, the honors class will move at a considerably faster pace; it will study material in more depth than regular classes; and it will require advanced critical thinking and problem solving. Other specific differences will be found in the course descriptions of the various departments.

### **Report Cards and Deficiency Notices**

The school year is divided into four grading periods and a report card is issued at the end of each quarter. Midway through each quarter midterm reports will be sent through Edline for all students in all classes. Students and parents are encouraged to discuss the report card and midterm notices. If there are questions, parents are urged to contact the teacher. Conferences and/or staffings are arranged as needed.

### **Parent-Teacher Conferences**

Parent-teacher conferences are scheduled at the end of the first and third quarters. Parents are requested to pick up their son or daughter's report card in the office during the conference hours. Teachers are available for a brief discussion of student progress. If a lengthy meeting is needed, arrangements can be made for another convenient date.

### **Failures**

If a student fails a semester of a course that is required for graduation, that semester must be repeated. If the failed course is not required for graduation, then it is not necessary for the student to retake the class. No credit is awarded for failed classes.

Due to the cumulative nature of skills needed in mathematics and foreign language courses, unique procedures apply to failures in these departments. Two situations are possible if a semester is failed.

SITUATION 1: If a student fails the first semester but passes the second semester, the student does not have to repeat the first semester. A full credit is received for the year course, but the F remains on the transcript for the first semester.

SITUATION 2: If a student passes the first semester but fails the second semester, .5 credit is given for the first semester only. The first semester is then audited before repeating the second semester.

### **Honor Roll**

An honor roll is published at the end of each quarter and semester based on a student's GPA for each specific grading period. To attain 'High Honors' students must have an average of 3.8 on a 4.0 scale. Students with an average of 3.5 are named to 'Honors'. Only students taking at least five academic courses, including religion, can be considered for the honor roll.

### **Summer School**

One or more classes may be offered during the summer at Mater Dei or another area high school. Specific courses will be determined by the needs of the students. A separate tuition fee will be charged and the amount of the fee will vary depending on the class. In order to be cost effective, it will be necessary to set minimum enrollments.

Before taking a class at another institution, a student must seek approval from the principal to receive Mater Dei credit for the course taken.

### **Student Records and Transcripts**

"Official records are maintained at Mater Dei High School. In accordance with section 438 of the U.S. Public Law 93-380 known as the Family Education Rights and Privacy Act of 1974, and the Illinois School Student Record Act of 1975 (pursuant to Chapter 122, Article 50, Illinois Revised Statutes 1975), parents and students have the right to inspect and review all official school records directly related to their children and must, with certain exceptions, (Buckley Amendment, dated June 17, 1976), give written consent if any information is released by the school. The permanent records are kept for a period of 60 years while the students' temporary records are destroyed one year after the student has transferred or graduated or otherwise permanently withdrawn from our school. This is our official public notice concerning records and their destruction.

### **Computer Literacy**

It is the goal of Mater Dei that all graduates will be computer literate, will know and respect software copyright legislation, and will appreciate computers as valuable tools. In order to achieve these goals, all Mater Dei students are given access to and are instructed in the use of a personal computer. Students are first assigned individual accounts during the required freshman study skills class. At that time, they are introduced to the school-wide network, to word processing, and to research oriented electronic databases. Transfer students are accommodated on an individual-needs basis. A number of electives dealing with more specific computer skills are available to non-freshmen. All faculty members have access to the computer labs and are encouraged to incorporate computer use in ways appropriate to their classes.

### **Nondiscriminatory Policy**

Mater Dei High School, Breese, Illinois, admits students of any race, color, national and ethnic origin to all the rights, privileges, programs and activities generally accorded or made available to students at the school. It does not discriminate on the basis of race, color, national and ethnic origin, in administration of its educational policies, admissions policies, scholarship and local programs, and athletic and other school-administered programs.

### **Kaskaskia College Dual Credit**

Kaskaskia College and Mater Dei Catholic High School have teamed up to offer the students of Mater Dei an opportunity to get a jump start in college. The Dual Credit program provides for qualified high school juniors and seniors to begin experiencing the academic rigors of college course work while still in high school. In addition to receiving credit towards high school graduation for selected courses, students will have the opportunity to receive college credit for the same course work through Kaskaskia College. Each dual credit course will have its own requirements for student enrollment in the course. Mater Dei will have the final decision on a student's placement.

Dual credit classes will only be given high school credit when the course is offered through a Mater Dei High School approved dual credit program.

There will not be any additional fees associated with this program. Kaskaskia College will issue the college transcript for all credit earned under this program. It will be the responsibility of the student to request the Kaskaskia College transcript when entering other colleges or universities.

The following courses will be offered for Dual Credit for the 2012-2013 school year:

English 101	Advanced Computer Applications
English 102	Chemistry and Chemistry II
Speech 103	Physics Honors
Accounting	Building Trades II
Marketing w/Small Bus.Mgmt.	Sociology
CISCO	Psychology
	Weightlifting & Conditioning

### **Activities**

Art/Photo Club	Chorus	Liturgical Planning	Softball
Bands	CrossCountry G-B	Murray Center Vol.	Spanish Club
Baseball	Dance	National Honor Soc.	Spring Musical
Basketball G-B	Fall Play	Newspaper Staff	Student Ambassadors
Bass Fishing	Flag Corps	Peer Assistance	Student Council
Big Bros.&Sist.	FBLA	Retreats	Teens for Life
Book Club	Football	St. Vincent De Paul	Track G-B
Bowling	Golf G-B	Scholar Bowl	Volleyball
Cheerleading	Homecoming	Science Club	WYSE
Chess Club	Liturgical Music	Soccer G-B	Yearbook Staff

### **TESTING PROGRAM**

THE EXPLORE HIGH SCHOOL PLACEMENT TEST is given to eighth grade students who plan to attend Mater Dei High School. The test results are used by department chairpersons in the recommendation process and can assist students in making realistic course selections. The test covers English, math, reading, and science reasoning.

PLAN is an assessment administered to all sophomores. PLAN has a dual purpose. It provides students and their parents with detailed information needed to build solid educational and career goals. It includes a study skills assessment, interest inventory, and a section for student-reported needs, plans, and goals. PLAN will also help students prepare for the ACT college entrance test by measuring skills in American College Testing, the same company that produces the ACT College Placement Test. Scholarship qualification as well as college entrance is partially determined by the ACT test results along with high school grade point average (GPA) and class standing.

ARMED SERVICES VOCATIONAL APTITUDE BATTERY (ASVAB) is available to juniors or seniors interested in military service. It is a useful vocational interest inventory for any student and is applicable to many civilian occupations and career fields.

**COURSE SUMMARY**

<b>THEOLOGY</b>				<b>SCIENCE (CONDT.)</b>				
141/142	Theology I	Fr						
143/144	Theology II		So	558/559	Physics - H		Sr	
133	Theology IIIH Sem			555	Biology II Sem		Sr	
131	Theology IIIM Sem			557	Anat. & Phys. Sem		Sr	
134	Theology IV SJ Sem			570/571	Infinity Project		Sr	
136	Theology IV CP Sem							
149/150	Theology IV Faith Formation Program							
<b>ENGLISH</b>				<b>LANGUAGES</b>				
209/210	English I	Fr		650/651	Spanish I	Fr So	Jr	
212/213	English II		So	652/653	Spanish II	Fr So	Jr Sr	
253/254	English I – A	Fr		654/655	Spanish III		Jr Sr	
255/256	English II – A.		So	656/657	Spanish IV		Jr Sr	
225/226	English I - H	Fr		658/659	Spanish I - H	Fr So	Jr	
227/228	English II - H		So	660/661	Spanish II - H		Jr Sr	
214	Composition Honors Sem			662/663	Spanish V		Sr	
215	Composition Sem							
232	Short Lit. I Sem							
233	Short Lit. II Sem			742	Cons. Economics Sem		Jr Sr	
234	Practical Writ. Sem			744	Marketing Ess. Sem		Jr Sr	
235	American Lit. Honors Sem.			747	Computer Apps. Sem	So	Jr Sr	
236	American Lit. Sem			748	Word Proc. I Sem	So	Jr Sr	
239	English Lit. Sem			749	Word Proc. II Sem	So	Jr Sr	
241	Eff. Writing Sem			751	Adv. Comp. App.Sem	So	Jr Sr	
242	Meth. of Writ. Sem			756	Business Law Sem		Sr	
248	Speech Sem			767/768	Accounting Principles		Jr Sr	
251	EnglishComp.101 Sem			706	Home Networking Sem		Jr Sr	
252	EnglishComp.102 Sem			707	Small Bus. Networking Sem		Jr Sr	
<b>SOCIAL STUDIES</b>				<b>BUSINESS EDUCATION</b>				
302/303	World History	Fr	So	710	Cisco I Sem		Jr Sr	
305/306	Gen.Soc.Studies	Fr		711	Cisco II Sem		Sr	
307	American Govern. Sem Fr			758	Small Bus.Mgt. Sem		Sr	
310/311	American History			771	Web Page Design Sem		Jr Sr	
312/313	A.P. Am. History			780	Office Assist. Sem		Sr	
321	Modern Am.Hist.Sem							
332	Sociology Sem							
340	Gen.Psychology Sem							
341	CurrentWorldIs. Sem							
342	Global Studies Sem							
<b>MATHEMATICS</b>				<b>FINE ARTS</b>				
410/411	Algebra I	Fr	So	Jr	801/802	Band	Fr So	Jr Sr
415/416	Algebra I - H	Fr			815/816	Noon Chorus Sem	Fr So	Jr Sr
425/426	Essen. of Algebra I	Fr			805/806	Jazz Band		So Jr Sr
440/441	Geometry	Fr	So	Jr	808	Chorus Sem	Fr So	Jr Sr
442/443	Geometry - H	Fr			814	Arts Apprec. Sem	Fr	
444/445	Ess. of Geometry		So	Jr	823/824	Symphonic Band		Jr Sr
464/465	Ess. of Alg. II				861	Art Graphics Sem	So	Jr Sr
470/471	Alg. II & Trig		So	Jr	862	Drawing&Design Sem	So	Jr Sr
466/467	Algebra II				863	Ceramics Sem	So	Jr Sr
491/492	Precalculus				865	Adv. Ceramics Sem		Jr Sr
479	Finite Math Sem				866	Adv.Dr.&Design Sem		Jr Sr
481	Intro. to Trig Sem				867	Portfolio Sem		Sr
483	Statistics Sem							
494/495	Calculus & An. Geom.							
<b>SCIENCE</b>				<b>INDUSTRIAL ARTS</b>				
524/525	Physical Science – A	Fr			831/832	Basic Shop I		Jr Sr
503/504	Physical Science	Fr			835/836	Basic Shop II		Sr
505/506	Physical Sci - H	Fr			826/827	Ess. of Drafting		Jr Sr
514/515	Earth Science			Jr	828/829	Drafting		Sr
520/521	Chemistry			Jr	850-1-2-3	Building Trades I		Jr
522/523	Chemistry - H			Jr	854-5-6-7	Building Trades II		Sr
533	Chemistry II Sem							
526/527	Biology - A		So	Jr				
545/546	Biology		So					
547/548	Biology – H		So					
552/553	Physics			Sr				
<b>DRIVER EDUCATION</b>				<b>PHYSICAL EDUCATION</b>				
				900	Driver Educ. Sem		So	
				901	Driver Ed-Summer		So	
				006	Released Time Sem2			Sr

## THEOLOGY

### 141 Theology I

**Freshmen**

**1 semester**

**1/2 credit**

**The Revelation of Jesus Christ in Scripture:** This course provides students with a general knowledge and appreciation of the Sacred Scriptures. Through their study of the Bible, they will encounter the living Word of God, Jesus Christ. They will learn about the Bible, authored by God through Inspiration, and its value to people throughout the world. If they have not been taught this earlier, they will learn how to read the Bible and will become familiar with the major sections of the Bible and the books included in each section. The students will pay particular attention to the Gospels, where they may grow to know and love Jesus Christ more personally.

### 142 Theology I

**Freshmen**

**1 semester**

**1/2 credit**

**Human Sexuality:** The course allows students to develop a greater understanding of and respect for our human sexuality. Christian values and morality will serve as the foundation for this holistic growth and development.

### 143 Theology II

**Sophomores**

**1 semester**

**1/2 credit**

**Who is Jesus Christ?:** This course introduces students to the mystery of Jesus Christ, the living Word of God, the Second Person of the Blessed Trinity. Through this course, students will understand that Jesus Christ is the ultimate Revelation to us from God. In learning about who Jesus is, the students will also learn who he calls them to be.

### 144 Theology II

**Sophomores**

**1 semester**

**1/2 credit**

**The Mission of Jesus Christ (The Paschal Mystery):** This course helps students understand all that God has done for us through his Son, Jesus Christ. Through this course, students will learn that for all eternity, God has planned for us to share eternal happiness with him, which is accomplished through the redemption Christ won for us. Students will learn that they share in this redemption only in and through Jesus Christ. They will also be introduced to what it means to be a disciple of Christ and what life as a disciple entails.

### 131M Theology III

**Juniors**

**1 semester**

**1/2 credit**

**Morality:** This course is designed to explore norms for our moral actions and moral responsibilities. It will concentrate on a study of Christian values and ethics in the formation of a Christian conscience following teachings of Jesus Christ in the gospels and the teachings of the Roman Catholic Church. The effects of sin upon the individual and the community will be studied in the light of humankind's need for reconciliation.

### **133CH Theology III**

**Juniors**

**1 semester**

**1/2 credit**

**Church History:** Students will trace the history of the Church from the time of the early apostles through Vatican II until the present. Students will research the Church's Jewish roots, the lives of the martyrs, and the saints. They will study the Dark Ages, Middle Ages, Renaissance, and the Reformation. An overview of the councils will be studied, especially the five focuses of change brought about by Vatican II. Through a study of contemporary Christians, students will appreciate the importance of the Church in the world today, as in the past, and into the future.

### **136CP Theology IV**

**Seniors**

**1 semester**

**1/2 credit**

**Christian Person:** This course addresses basic issues relevant to the Christian Person. The course will be divided into four topic sections: World Religions, Death and Dying/Suffering and Healing, the Lifestyle and Vocational choices of the Christian Person, and Successful Relationship concerns of the Christian Person.

### **134SJ Theology IV**

**Seniors**

**1 semester**

**½ credit**

**Social Justice:** In the Social Justice course, students will explore how the Catholic Church is a beacon of justice in the world by studying the Seven Themes of Modern Catholic Social Teaching. Social justice issues will be explored and students will be challenged to understand how we are called to live as followers of Jesus by helping proclaim the kingdom of God now.

### **149/150 Faith Formation Program**

**Senior**

**1 year**

**1 credit**

**Faith Formation Teacher:** Eligible Seniors will serve as Faith Formation teachers in an elementary classroom in a specifically chosen Faith Formation Program in the surrounding area. There will be an interview required of the student with a Mater Dei Faculty member and the Parish leader (DRE, CRE, Pastoral Associate, etc.). The student will be required to complete the Diocesan Child Protection Training. The student will be required to teach religion in an elementary classroom on the days required by the Faith Formation program, preparing daily classroom lesson plans with their implementation. The student will work with a faculty member on planning lessons, training/researching ideas for good discipline in the classroom, using a teacher manual, and recording and assigning grades. The student will also complete outside reading and reports; attend faculty meetings of the Faith Formation Program and work with the parish leader individually. This class is a requirement for graduation in place of or in addition to the senior theology courses.

### **Service**

Service applies to all religion classes. In keeping with the U.S. Bishops' pastoral on Catholic education and Mater Dei's philosophy, each course will include a service component designed to aid the Community of Believers to involve themselves in personal acts of loving concern for others as well as actions that seek for justice and peace - "...service to the Christian community and the entire human community." (#14 To Teach As Jesus Did, National Conference of Catholic Bishops, November, 1972.)

**Senior Service Project** (3 weeks in January is mandatory for graduation).

## BUSINESS EDUCATION

### **743 Consumer Economics**

**Seniors, Juniors**

**1 semester**

**1/2 credit**

This course fulfills the Illinois requirement for consumer education. The purpose of this course is to develop understanding of consumer economics. Curriculum covered will include banking, housing, insurance, credit, taxes, budgeting, investing, and consumer rights. Economics will be covered including micro and macro economics. Other topics will include monetary and fiscal policies, different economic systems, and the role of global trading.

**This is a required course for graduation.**

### **744 Marketing Essentials**

**Seniors, Juniors**

**1 semester**

**1/2 credit**

This course offers a comprehensive overview of the field of marketing. Curriculum covered will include market research, marketing careers, and the marketing mix. Determination of various market segments, based on various types of psychological and social influences on consumer behavior, will be inclusive in this course. Students will be required to actively participate in a group business project. (This course may fulfill a Social Studies credit for some colleges).

### **747 Computer Applications**

**Seniors, Juniors, Sophomores**

**1 semester**

**1/2 credit**

This course will familiarize students with features of Microsoft's Office suite—Word, Excel, PowerPoint, and Access. Students will follow project exercises from the text and apply their knowledge to lab exercises. A comprehensive lab exercise at the end of each quarter will test a student's knowledge of the programs. Students will also learn basic file maintenance, including creating folders and copying files.

**Pre-requisite: Word Processing I (strongly recommended)**

### **748 Word Processing I**

**Seniors, Juniors, Sophomores**

**1 semester**

**1/2 credit**

Students should know the keyboard using the touch-typing system from the keyboarding unit of Study Skills. Students will learn to key letters, memos, tables, and simple reports on computers using Microsoft Word 2003 software and learn the basic features of Word 2003. Students will do basic mail merge and type resumes and cover letters. Students will develop speed and accuracy on timings using MicroPace Pro software and will develop basic language skills for correct number and capitalization expression. This course offers a vital skill to all students, whether preparing for work or for college.

### **749 Word Processing II**

**Seniors, Juniors**

**1 semester**

**1/2 credit**

The ability to process documents quickly and accurately is the key to unlocking doors of opportunity in any profession. This course aims to improve keyboard speed and improve production rates on business documents such as tables, letters, memos, and reports. Students will learn advanced Word 2003 features—mail merge, graphics, sorting, and basic desktop publishing features. This course should be taken by those who wish to improve and expand document processing skills.

**Pre-requisite: Word Processing I**

**751 Advanced Computer Applications****Seniors, Juniors, Sophomores****1 semester****1/2 credit****Dual Credit with KC (4 credit hours)**

This course is a continuation of Computer Applications. Students will do text projects using some of the advanced features in Microsoft's Office 2007 which includes Word, Excel, Access, and Power Point. Comprehensive projects will be completed at the end of each quarter. This course will qualify for Dual Credit with Kaskaskia College.

**Pre-requisite: Computer Applications****756 Business Law****Seniors****1 semester****1/2 credit**

This course is designed to develop knowledge of the legal system. Topics include the court system, civil law, criminal law, contract law, torts, and copyright laws. Incorporated into the curriculum will be the various government agencies that regulate and set standards for business and how business ethics is applied to the different aspects of business operations.

**767/768 Accounting Principles****Seniors, Juniors****1 year****1 credit****Dual Credit with KC (3 credit hours)**

This course will study the accounting cycle for the proprietorship and corporation types of businesses. Students will learn to journalize transactions in multicolumn journals and post the entries to ledgers. Students will also perform end-of-fiscal period activities such as preparing work sheets, financial statements, and adjusting and closing entries. Students will also perform accounting activities on the computer using the automated accounting software. This course will qualify for Dual Credit with Kaskaskia College.

**780 Office Assistant****Seniors****1 semester****1/2 credit**

This course is designed for the student who wishes to pursue an office career after graduation. The student will assist office personnel in answering the telephone, photocopying and assembling documents, filing, simple computer assignments, mailings, and other miscellaneous office jobs.

**706 Home Networking****Seniors, Juniors****1 semester****1/2 credit****Dual Credit with KC (4 credit hours)**

This course is the first of four courses leading to the Cisco Certified Network Associate (CCNA) certification. This course assists the students in developing the skills needed to become a home network technician and/or help desk technician. The course provides a hands-on introduction to basic networking and the internet, using the tools and hardware found in home and small business environments.

**707 Small Business Networking****Seniors, Juniors****1 semester****1/2 credit****Dual Credit with KC (4 credit hours)**

This course is the second of four courses leading to the Cisco Certified Network Associate (CCNA) certification. The course will develop additional skills for the computer and help desk technicians. It familiarizes students with initial router configuration, Cisco IOS software management, routing protocols, TCP/IP, and access control lists (ACLs) along with monitoring and troubleshooting skills.

**Prerequisite: Home Networking**

**710 Cisco I****Seniors****1 semester****1/2 credit****Dual Credit with KC (4 credit hours)**

The Cisco Networking Academy Program is a course of study that centers on teaching students to design, build, and maintain computer networks. This course is classroom, web, and lab based. The Cisco I syllabus covers networking fundamentals including the Open System Interconnection (OSI) reference model, network addressing, data encapsulation and network-layer protocols. This course is part of the dual program at Kaskaskia College and mirrors their CISC 110 curriculum offering.

**Prerequisite: Small Business Networking****711 Cisco II****Seniors****1 semester****1/2 credit****Dual Credit with KC (4 credit hours)**

This class is a continuation of the Cisco Networking Academy Program and studies router theory and technology. It includes construction of a simulated inter-network and configuration of several routers to implement a given networking scenario using basic router commands. This course is part of the dual credit program at Kaskaskia College and follows their CISC 111 curriculum offering.

**Prerequisite: Cisco I****758 Small Business Management****Seniors****1 semester****1/2 credit****Dual Credit w/KC if Marketing is also taken (3 credit hours)**

This course is designed to allow a student to successfully start a small business. Included in the curriculum are marketing and management skills used in the daily operations of the business. Office procedures including basic recordkeeping, pricing theory, promotion, and store layout will be a part of the curriculum. The student will be introduced to employment procedures, employee retention, labor laws and business communications.

**771 Web Page Design****Seniors, Juniors****1 semester****1/2 credit**

This course is designed to teach students proper web page design techniques. The course will also introduce students to the proper procedures to create web pages suitable for course work, professional purposes, and personal use. Students will work from an instructional book and will eventually be able to create web pages on their own.

**DRIVER EDUCATION****900 Driver Education****Sophomores, Freshmen****1<sup>st</sup> Quarter or 3<sup>rd</sup> Quarter****No credit**

This class is designed to provide the student with the basic knowledge of vehicle operation, traffic laws, and basic maintenance of the vehicle. Vehicle operation will include maneuvering skills as well as skills in cooperating with other drivers. Vehicle maintenance includes service checks normally performed during service station stops. Driving phase of the program will provide students a minimum of six hours of instruction to include highway, expressway, and city driving. The “rules of the road” and the “Illinois Vehicle Code Manual” are used as supplements to the traffic law curriculum.

**901 Driver Education (Summer)**

**No credit**

**Sophomores, Freshmen**

This class offers the classroom phase only. Behind-the-wheel driving will take place during the following school year.

**ENGLISH**

**209/210 English I**

**Freshmen**

**1 year**

**1 credit**

English I includes the practice and development of all language arts skills. Emphasis is on the integration of grammar and basic composition and reading skills. This course also introduces the student to the major literary genres: fiction, nonfiction, drama, poetry, and novel. Placement in this class is based on test scores and department recommendation.

**212/213 English II**

**Sophomores**

**1 year**

**1 credit**

English II includes a review of grammar skills with further development of composition skills and reading skills. The major literary genres introduced in English I are further developed. Placement in this class is based on department recommendation.

**253/254 English IA**

**Freshmen**

**1 year**

**1 credit**

This course is highly individualized in order for students to advance in reading, writing, and study skills according to their levels of performance. This course will cover units of study in the following areas: short story, poetry, drama, the novel, nonfiction, grammar, composition, and vocabulary. Placement in this course is based on test scores and department recommendation.

**255/256 English IIA**

**Sophomores**

**1 year**

**1 credit**

English IIA builds upon the instruction of English IA. It further develops a reading and writing program. This course will continue the study of topics introduced in English IA in a individualized manner. Placement in this class is based on department recommendation.

**225/226 English I - Honors**

**Freshmen**

**1 year**

**1 credit**

This course is designed for the self-motivated student who is advanced in reading and verbal skills. Included are the reading and discussion of short stories, nonfiction, poetry, drama, novels, and mythology. The student is also responsible for independent reading throughout the year. The review of grammar and usage is minimal based on the student's proficiency. The course also includes composition and vocabulary. Since this is an honors class, the pace is accelerated. Placement in this class is based on test scores and department recommendation.

## **227/228 English II - Honors**

### **Sophomores**

**1 year**

**1 credit**

This course is intended for the advanced student. The review of grammar and usage is minimal and is largely the student's responsibility. In-depth analysis of literature and comprehensive composition assignments are required of the honor's student. Students are expected and encouraged to work on an independent level. Since this is an honors class, the pace is accelerated. Placement in this class is based on department recommendation.

### **PROGRAM SEQUENCE FOR JUNIORS/SENIORS**

#### Program I - Developing Ability Level

Junior year - Practical Writing & Short Literature I

Senior year - Effective Writing & Short Literature II

#### Program II - Proficient Ability Level

Junior year - Composition and American Literature

Senior year - Methods of Writing and English Literature

#### Program III - Skilled Ability Level

Junior year – Composition Honors and American Literature

Senior year - Methods of Writing and English Literature  
or English Comp. 101(dual credit) and 102(dual credit)

## **214 Composition Honors**

### **Juniors (Program III)**

**1 semester**

**1/2 credit**

This course is designed for students who demonstrate a solid grasp of the mechanics of rhetoric. Students will focus on persuasive writing, which involves the use of logic and other skills of argumentation. They will also write a college admissions essay, a literary essay, and develop skills in descriptive, narrative, and expository writing. The course will develop refinement of grammar and mechanics, and a segment of this course will include research. Honors students will be expected to compose longer essays and work at an accelerated pace. Students must be able to work more independently on the novel. Placement in this course is based on department recommendation.

## **215 Composition**

### **Juniors (Program II)**

**1 semester**

**1/2 credit**

This course focuses on the following: persuasive writing which involves the use of logic and other skills of argumentation; writing the college admissions essay; developing skills in descriptive, narrative, and expository writing; and the refinement of grammar & mechanics. This course also includes reading a novel, which is discussed in class, followed by writing a literary essay. Students learn some refinements of writing style and broaden their vocabulary. A segment of the course involves minimal research. Placement in this class is based on department recommendation.

## **232 Short Literature I**

### **Juniors (Program I)**

**1 semester**

**1/2 credit**

This course is highly individualized in order for students to advance in reading and writing skills. This course examines American literature including short stories, poetry, plays, novels, biographies and autobiographies. The course includes varied writing assignments. Placement in this class is based on department recommendation.

### **233 Short Literature II**

**Seniors (Program I)**

**1 semester**

**1/2 credit**

This is an examination of English literature in an individualized manner. Students will cover a variety of genres of literature, which includes short stories, poetry, plays, novels, biographies, and autobiographies. Varied writing assignments are included within the context of the course. Placement in this class is based on department recommendation.

### **234 Practical Writing**

**Juniors (Program I)**

**1 semester**

**1/2 credit**

This course strives to develop writing skills for both practical and creative application. Students learn to apply the writing process to varied writing assignments. This course also includes the study of short fiction and non-fiction to aid in the study of comprehension and vocabulary. Placement in this class is based on department recommendation.

### **235 American Literature Honors**

**Juniors (Programs III)**

**1 semester**

**1/2 credit**

This course is designed for the self-motivated student who has demonstrated advanced reading and verbal skills. This course acquaints students with significant American writers of literary eras from the Native Americans to the Twentieth Century. Requirements include a literary analysis based on outside reading. Works studied include poetry, short stories, drama, novels, and nonfiction. The honors class will move at an accelerated pace, and students are expected to work independently. Placement in this class is based on department recommendation.

### **236 American Literature**

**Juniors (Programs II)**

**1 semester**

**1/2 credit**

This course acquaints students with significant American writers of literary eras from Native Americans to the Twentieth Century. The primary aim of the class is to analyze literature and gain an understanding of the authors in historical context. Requirements include a literary analysis based on outside reading. Works studied include nonfiction, poetry, short stories, drama, and novels. Placement in this class is based on department recommendation.

### **239 English Literature**

**Seniors (Program II)**

**1 semester**

**1/2 credit**

This course is a survey of the history and literature of England from 450 A.D. to the Romantics. It acquaints the student with writers and works of the Western literary tradition. Students compose creative, expository, and research writing related to the selections studied in class. Placement in this class is based on department recommendation.

### **241 Effective Writing**

**Seniors (Program I)**

**1 semester**

**1/2 credit**

This course is designed to develop effective writing and reading skills in an individualized manner. Reading material will include a current periodical. Writing skills will center on summary, description, and life skills (resumes, job applications, and interviews). Placement in this class is based on department recommendation.

### **242 Methods of Writing**

**Seniors (Programs II)**

**1 semester**

**1/2 credit**

Methods of writing is a course designed to prepare students for college-level writing. Students develop library skills, including the use of online databases for the purpose of research. Essay writing focuses on expository writing, critical analysis of literature, and an argumentative research-based paper. An oral presentation is also required. Placement in this class is based on department recommendation.

**Prerequisite: Composition**

### **248 Speech 103**

**Seniors, Juniors**

**1 semester**

**1/2 credit**

**Dual Credit with KC (3 credit hours)**

Besides developing the students' basic speaking skills, this course emphasizes personal adjustment to the speaking situation. Research and discussion skills will be incorporated. This course fulfills the Mater Dei graduation requirement and provides Kaskaskia College credit.

### **251 English Composition 101**

**Seniors (Program III)**

**Fall semester**

**1/2 credit**

**Dual Credit with KC (3 credit hours)**

English Composition 101 is an expository essay writing course. This course (1) develops awareness of the writing process; (2) provides inventive, organizational and editorial strategies; (3) stresses the variety of uses for writing; and (4) emphasizes critical skills in reading, thinking, and writing. Students will compose a minimum of 5,000 words, including a literary analysis.

**Prerequisite: ACT English section score of 18, minimum 3.0 GPA, and department recommendation.**

### **252 English Composition 102**

**Seniors (Program III)**

**Spring semester**

**1/2 credit**

**Dual Credit with KC (3 credit hours)**

English Composition 102 focuses on research, argumentative prose and critical analysis. Students develop library skills, including the use of online databases for the purpose of research; master outlining, summarizing, and paraphrasing; and learn to avoid plagiarism through correct documentation. A major component of the course is writing a documented, multi-sourced argumentative essay. Students will compose a minimum of 5,000 words, including a literary essay.

**Prerequisite: English Composition 101**

## **THE FINE ARTS**

### **801/802 Concert Band**

**Senior, Junior, Sophomore, Freshman Instrumentalists 1 year**

**1 credit**

This course develops fundamental musical skills through the study and performance of a wide variety of wind band repertoire. Students perform a literature from various historical contexts and styles in both large and small ensemble settings. The Concert Band performs in a concert each quarter, in addition to the graduation ceremony. All Concert Band students are welcome to participate in Marching Band and Pep Band.

### **805/806 Jazz Band**

**Senior, Junior, Sophomore Instrumentalists by Audition**                      **1 year**                      **1 credit**

This advanced instrumental course develops musicianship through the study of improvisation, music theory and various styles of jazz music. The course develops student's ability to improvise through intensive study of music theory, arranging, transcription and weekly playing assignments. Students are constantly playing on their own and learning occurs in both rote and written formats. In addition to performing at concerts at the end of every quarter, the jazz band occasionally performs at community outreach events.

### **823/824 Symphonic Band**

**1 year**                      **½ credit**

**Senior, Junior Instrumentalists;  
Sophomore, Freshman Instrumentalists by Audition**

This course is open to all junior and senior instrumentalist, as well as freshmen and sophomore instrumentalists via audition. This advanced band course offers students the opportunity to study and perform a variety of challenging repertoire from various stylistic and historical contexts. This group meets during period 2 and period 6 study halls and performs at a concert each quarter, in addition to the graduation ceremony at the end of each year (graduation not required for senior members). All Symphonic Band students are welcome to participate in Marching Band and Pep Band.

### **808 Chorus**

**Seniors, Juniors, Sophomores, Freshmen**                      **1 semester**                      **1/2 credit**

This class is designed to develop greater vocal independence. Sight singing and a vocabulary of music are developed for greater music literacy upon completion of this course. Solo and ensemble singing will be the major vehicles. There will be assignments and tests periodically throughout the semester. All choral performances are mandatory. This class may be taken for a full year.

### **815/816 Noon Chorus**

**Seniors, Juniors, Sophomores, Freshmen**                      **1 semester**                      **1/4 credit**

Chorus meets daily for 20 minutes. Goals include music literacy achieved through a systematic approach to reading the rhythmic and melodic vocabulary of printed music and the experience and performance of many styles of choral ensemble literature. Evening rehearsals will be arranged before performances. All choral performances are mandatory. This course may be taken for a full year.

### **814 Arts Appreciation**

**Freshmen only**                      **1 semester**                      **1/2 credit**

This course will introduce students to art and music. One quarter will be devoted to the study of the visual arts and the other will be spent learning about music. The music class will lead the students through a study of western music, beginning with modern popular music and branching out. The goal of the class is to provide the students with a way to communicate about music, and to understand music that they are currently unfamiliar with.

The art class introduces to a variety of styles of Visual Art. We also are introduced to the elements of the principles of making an artwork and practice this in a sketchbook. The goal of the class is to provide the students with a way to organize an artwork of their own.

### **861 Art Graphics**

**Seniors, Juniors, Sophomores**

**1 semester**

**1/2 credit**

This is a first level course. In one semester the course will focus on the creative aspects of using a computer to produce various types of commercial art and graphics. Areas to be coordinated in a layout are the use of lettering, creation of images, and use of digital imaging.

### **862 Drawing and Design**

**Seniors, Juniors, Sophomores**

**1 semester**

**1/2 credit**

This first year level course will introduce the students to the basic elements of drawing from reality. Students will learn to design a composition, illustrate in line, shape and shadow. The students will be introduced to a variety of media to complete a drawing.

### **863 Ceramics**

**Seniors, Juniors, Sophomores**

**1 semester**

**1/2 credit**

This first level course will introduce the student to basic hand building and glazing techniques. Functional and non-functional design will be explored. Instruction on the potter's wheel will depend on the availability and time allows.

**Prerequisite: 862 Drawing and Design**

### **865 Advanced Ceramics**

**Seniors, Juniors**

**1 semester**

**1/2 credit**

This second level course will introduce the student to the pottery wheel and glazing methods. Functional and nonfunctional design will be explored. All pieces will be wheel thrown.

**Prerequisite: 863 Ceramics**

### **866 Advanced Drawing and Design**

**Seniors, Juniors**

**Spring semester**

**1/2 credit**

This second level course will give the student the opportunity to explore further how to draw from reality. The students will also have the opportunity to use computer software as an additional tool to completion of an artwork. This course provides the opportunity to develop a portfolio for college admission or scholarships.

**Prerequisite: 862 Drawing and Design**

### **867 Portfolio of Advanced Art Projects**

**Seniors**

**Fall semester**

**1/2 credit**

This second level course is available for students pursuing a career in art. The student will develop a portfolio of artworks to be presented to colleges for contest, scholarship and admission to college. The students will display portfolios at school activities.

**Prerequisite: 862 Drawing and Design**

## FOREIGN LANGUAGE

The Foreign Language program has been designed to achieve two major goals. The first one is to offer students the opportunity to develop proficiency in a second language and culture so that they can acquire skills, knowledge, and attitudes important for living and working in a multi-lingual, multi-cultural world. Most colleges and universities have an entrance requirement of a minimum of two years of the same foreign language. The second goal is to provide students the opportunity to fulfill this entrance requirement. Foreign language study can open doors and provide unique opportunities in your future employment.

All Foreign Language Level I and II courses are part of a two-year basic foreign language program. All foreign language courses must be studied consecutively in the same language. Students in college preparatory programs are advised to continue their foreign language study beyond the two years most colleges and universities require for admittance. All foreign language courses are yearlong courses. No student may register for one semester. Foreign language courses must be taken in sequence without stepping out a year between levels.

Foreign language courses are not basic level courses. The courses require a certain acceptable level of basic academic skills. All students are classified as either a recommended or a non-recommended student for foreign language study. An incoming freshman student classified as non-recommended must obtain permission from the Foreign Language Department Chairman in order to enroll in a foreign language class. After completion of the freshman year, the Foreign Language Department Chairman will re-evaluate the non-recommended student based upon successful academic performance in core courses, and teacher and class advisor recommendation. In subsequent years, all sophomore, junior, and senior students must obtain the recommendation of the Foreign Language Department Chairman in order to enroll in a foreign language course.

Any student that has studied Spanish in elementary school/junior high school will take the Foreign Language Placement Test. The test evaluates the student's knowledge and acquisition of the material studied in a high school level one course. The student's test results will determine the course placement level for the student. Please contact the Foreign Language Department chairperson for test information. No credit is given for elementary/junior high school coursework.

Spanish Test: A student scoring 80% or higher will be enrolled in Spanish II. A student scoring 79% or lower will be enrolled in Spanish I Honors. All Saints Academy Spanish I student will take the test at All Saints Academy. Any other students will need to contact the Foreign Language Department chairperson to arrange a time to take the test.

Failure Policy: If the first semester is failed and the second semester is passed, the first semester does not have to be repeated. The F grade remains on the transcript for first semester and 1 full credit is received for the year course. If the first semester is passed and the second semester is failed, the first semester is to be audited the following year before repeating the second semester. The first semester passing grade is recorded on the transcript with a .5 credit. The failing grade F for the second semester carries no credit.

### **650/651 Spanish I**

**Freshmen, Sophomores, Juniors**

**1 year**

**1 credit**

This course will be taught as part one of the two-year basic foreign language programs. During the first year the student is introduced to the four basic language skills: speaking, listening, reading, and writing. The student will acquire a practical vocabulary usable in everyday situations and will learn the basic grammatical structures of the language. Internet activities, situational videos, computer software, and a variety of instructional activities will enhance these language skills. Students will work in pairs to acquire oral proficiency of the material in each chapter. Thus, a strong commitment is needed by the students to use the language during class. The culture and civilizations of the various peoples will be studied through special presentations, films, and projects. Upon completion, the successful student will have a limited command of the spoken and written language.

**Prerequisite: Recommendation by Foreign Language Department**

### **658/659 Spanish I Honors**

**Freshmen**

**1 year**

**1 credit**

No prior study or knowledge of Spanish is required for the Spanish I Honors course. The Spanish I Honors course is designed for the self-motivated student with a strong mastery of basic grammatical structures in English and a developed sense of study skills. The honors student learns at a faster pace; generally requires minimal drill/exercises; and quickly incorporates the vocabulary, grammar, and oral skills. This provides more class time to develop additional language skills and do more activities. This faster pace level one course is part one of the two-year initial foreign language program. Please refer to the Spanish I course description for additional information about Level I Spanish. Upon completion of Spanish I Honors, the successful student will have a limited ability to speak and write in Spanish.

Spanish Test: A student scoring 80% or higher will be enrolled in Spanish II. A student scoring 79% or lower will be enrolled in Spanish I Honors. All Saints Academy Spanish I students will take the test at All Saints Academy.

**Prerequisite: Enrollment in Spanish I Honors is only by Foreign Language Department recommendation.**

### **652/653 Spanish II**

**Freshmen, Sophomores, Juniors, Seniors**

**1 year**

**1 credit**

During the second year course, the student will review the basics of level one and will continue the study of various verb tenses and grammatical structures with much emphasis placed on the acquisition and enrichment of vocabulary. Upon successful completion of the second year of study, the student will be able to converse in limited everyday situations. The course requires students to work in pairs to promote acquisition of the material in each chapter. A strong commitment by the student is needed for success in the course and to gain oral proficiency of the course material. Situational videos, dialogues, Internet activities, and language activities will all develop the acquisition of the language. The study of culture will continue to provide the student with a greater appreciation for the language and its people.

**Prerequisite: Spanish I, Spanish I Honors; and Foreign Language Department recommendation.**

### **660/661 Spanish II Honors**

**Sophomores, Juniors**

**1 year**

**1 credit**

The Spanish II Honors is the second year course for the self-motivated student who has excelled in Spanish I or Spanish I Honors. The course moves at a faster pace than Spanish II while at the same time recycles Spanish I or Spanish I Honors material. This recycling allows the student to review and reacquire important vocabulary, grammar, and cultural concepts from level one while at the same time acquiring new material in greater depth. The Spanish II Honors student maintains excellent study skills

and strives to incorporate the skills necessary to use the language. Please refer to the Spanish II course description for additional information. Upon successful completion of the second year of study, the student will be able to converse in limited everyday situations.

**Prerequisite: Spanish I or Spanish I Honors; and enrollment in Spanish II Honors is only by Foreign Language Department recommendation.**

### **654/655 Spanish III**

**Sophomores, Juniors, Seniors**

**1 year**

**1 credit**

The third level of the language is designed for the student committed to serious acquisition of the language. The student will study all verb tenses and will incorporate this knowledge into oral and written language. In-depth vocabulary acquisition will be a focus throughout the year. Cooperative learning activities, Internet activities, selected literary works, current magazines, news media articles, and directed short compositions will provide the student with oral and written opportunities. The student will need to demonstrate a mature level of study for successful language acquisition. In addition, the course requires the continued serious commitment to oral proficiency and communication to achieve maximum development of the language. The course will enrich the student's awareness and appreciation for Hispanic culture.

**Prerequisite: Spanish II or Spanish II Honors, and Foreign Language Department recommendation**

### **656/657 Spanish IV**

**Juniors, Seniors**

**1 year**

**1 credit**

The reading, writing, speaking, and listening skills are refined. At the conclusion of the course, the dedicated student will be able to communicate with a native speaker. The student will need to demonstrate a mature level of study for successful language acquisition. In addition, the course requires the continued serious commitment to oral proficiency and communication to achieve maximum development of the language. The student will commit himself/herself to speak the language during class and to assimilate the language into daily life by reading newspapers, magazines, online websites, and other communication media. Advanced grammatical structures and vocabulary will be developed in written reports and oral presentations. The study of culture continues with the student demonstrating a general sensitivity to global awareness and global interaction and their effect on our daily lives. There will be a short review of college foreign language placement test techniques and sample tests to assist the student in preparation.

**Prerequisite: Spanish III and Foreign Language Department recommendation**

### **662/663 Spanish V**

**Seniors**

**1 year**

**1 credit**

In addition to the Level 4 course description, the fifth year focus is on further development of writing skills with emphasis on a review of grammar, structure and idiomatic expressions, composition techniques, and increased fluency in spoken language. The Spanish V student truly demonstrates a sincere commitment to advancing individual language acquisition. Spanish is spoken in class. Selected readings, translations, short compositions, online websites, and Internet activities will develop competency and further language acquisition.

**Prerequisites: Spanish IV and Foreign Language Department recommendation.**

## INDUSTRIAL EDUCATION

### **831/832 Basic Shop I**

**Seniors, Juniors**

**1 year**

**1 credit**

The Basic Shop I class is designed to educate the students on safe and proper usage of woodworking tools while constructing a planned and organized project.

### **835/836 Basic Shop II**

**Seniors**

**1 year**

**1 credit**

The Basic Shop II class includes continued usage of woodworking tools while planning, organizing, and constructing a project at an advanced level.

**Prerequisite: Shop I**

### **826/827 Essentials of Drafting**

**Seniors, Juniors**

**1 year**

**1 credit**

This course will cover freehand sketching, pictorials in two and three dimensions, and orthographic projections. If time permits, during the second semester, class work includes a graphics program on the computer.

**Prerequisite: Essentials of Geometry**

### **828/829 Drafting**

**Seniors**

**1 year**

**1 credit**

This course investigates graphic language. Material covered will include freehand sketching, machine drawings, projections, three dimensional pictorial drawings, and scaled architectural drawings. Also covered in drafting is computer aided drawing (CAD). This would appeal to persons hoping to become drafters, engineers, artists, and architects.

**Prerequisite: A Geometry course**

### **850/851/852/853 Building Trades I**

**Juniors**

**1 year 2 credits (Two periods a day)**

This vocational course is designed to expose the student to all the fundamental aspects of residential construction. The student will initially be introduced to and required to follow all safety procedures in compliance with OSHA. This course allows the student to participate in many of the following: blueprint reading, foundation and concrete work, rough framing, roofing techniques, painting and drywall work, insulation methods, residential wiring, interior trimwork, and exterior work with brick, siding and soffit. It is planned that each year one new house will be constructed, allowing the student to be part of all phases of on-site construction. This course will also explore a variety of building materials used in home construction as well as different construction methods. Students who are enrolled in this course are not eligible for the Released Time Program in their senior year. Students must meet all graduation requirements, as well as maintaining passing grades in all their academic courses. Class size will be limited to 16 for safety requirements and to allow an adequate learning environment. Every student applying for this program will be evaluated by a class advisor, the instructor, and administration. Because of the format of this program, difficulties in conduct will not be tolerated. Grading will be determined through quizzes, completed projects and tasks, and final exam.

## **854/855/856/857 Building Trades II**

**Seniors**

**1 year 2 credits (Two periods a day)**

**\*Dual Credit with KC (6 credit hours)**

This course is a continuation of Building Trades I, with emphasis on training the student for entry as an apprentice in one of the trades, or to continue their education in a specific trade. During this second year, tool and on-site safety is once again emphasized while also focusing on helping the student develop a work ethic, both on individual projects as well as working with others. Students in this class will also have the opportunity to interact with local building contractors, union representatives, OSHA compliance officers and safety coordinators. Grading will be the same as in Building Trades I.

**Prerequisite: Building Trades I**

**\*Seniors who completed Building Trades I and are enrolled in Building Trades II can earn 6 credit hours as part of the dual credit program with Kaskaskia College.**

### **MATHEMATICS**

Students can enter the math curriculum at one of three levels:

A flow chart for the math curriculum is given on a following page. See the course descriptions for more details.

Several guidelines have been established to help teachers make recommendations to students as they move through the math curriculum.

They are

1. Incoming freshmen are recommended for a specific program based on their scores on the High School Placement Test.
2. Incoming freshmen who have studied Algebra I in elementary/junior high school are required to take the Algebra I Proficiency Exam and score 80% or higher to qualify to take Geometry as a freshman. Those passing this exam with at least 80% will receive one credit in Algebra I.
3. Freshmen wishing to take Geometry and Algebra 2 & Trigonometry in sophomore year must meet two out of the three requirements:
  - a. An "A" for each quarter in Algebra I
  - b. Algebra I teacher's recommendation with advisor input.
  - c. Score 80% or higher on Algebra I Proficiency Exam.

**Failure Policy:** If a student fails the first semester but passes the second semester, he or she does not need to repeat the first semester. The first semester grade of F remains on the transcript, but the student receives one full credit for the year course. If a student passes the first semester but fails the second semester, he or she must audit the first semester the following year before repeating the second semester.

**SEQUENCE OF COURSES IN MATHEMATICS DEPARTMENT**

	<u>FRESHMEN</u>	<u>SOPHOMORES</u>	<u>JUNIORS</u>	<u>SENIORS</u>
<b>Sequence I</b>	Essentials of Algebra I	Essentials of Geometry----	Ess. Of Alg. II	Algebra II  Ess. Of Alg II
		Algebra I -----	Ess. Of Geom. Geometry -----	
<hr style="border-top: 1px dashed black;"/>				
<b>Sequence II</b>	Algebra I  or  Algebra I Honors	Ess. Of Geom. -----	Ess. Of Alg II - Algebra II -----	Finite Math  <div style="border: 1px solid black; padding: 2px;">Intro. To Trig. Finite Math Statistics</div>
		Geometry -----	Ess. Of Alg. II Algebra II -----	Finite Math  <div style="border: 1px solid black; padding: 2px;">Finite Math Statistics  Intro to Trig.</div>
		or Geometry - Honors ----	Alg. II & Trig.	<div style="border: 1px solid black; padding: 2px;">Precalculus Finite Math Statistics</div>
		Geom. <u>and</u> Alg. II & Trig.*	Precalculus ----	<div style="border: 1px solid black; padding: 2px;">Calculus Finite Math Statistics</div>
<hr style="border-top: 1px dashed black;"/>				
<b>Sequence III</b>	Geometry -----	Alg. II & Trig.-----	Precalculus ----	<div style="border: 1px solid black; padding: 2px;">Calculus Finite Math Statistics</div>

\*Students doubling up may take Geometry or Geometry Honors

### **410/411 Algebra I**

**Juniors, Sophomores, Freshmen**

**1 year**

**1 credit**

This course is intended for the student who grasps the concepts of mathematics at an average or above average rate of speed. The basic concepts include variables and open sentences; operations with real numbers, polynomials, and rational expressions; solving linear equations and inequalities in one variable; factoring polynomials and solving quadratic equations by factoring; solving linear systems; graphing and the concept of slope; radicals; word problems; and an introduction to functions and to the coordinate plane.

**Prerequisite: Department recommendation**

### **415/416 Algebra I-Honors**

**Freshmen**

**1 year**

**1 credit**

This course is intended for the accelerated freshman mathematics student. It develops the topics in Algebra in more depth and at a faster pace. In addition, the Algebra I Honors curriculum includes sums and differences of cubes, simplifying, multiplying and dividing rational expressions, mixed expressions, polynomial long divisions, the Pythagorean Theorem, and operations with radicals.

**Prerequisite: Department recommendation**

### **425/426 Essentials of Algebra I**

**Freshmen**

**1 year**

**1 credit**

The topics addressed in this course include variables and open sentences, operations with real numbers, adding and subtracting polynomials, multiplying polynomials by monomials and polynomials by polynomials, dividing monomials, powers of monomials, solving equations in one variable, solving and graphing linear equations and linear systems, factoring polynomials and solving quadratic equations by factoring, slope intercept form, and word problems.

### **440/441 Geometry**

**Seniors, Juniors, Sophomores, Freshmen**

**1 year**

**1 credit**

Designed to meet the needs of the average math student, this traditional geometry course includes study of the following topics: points, lines, planes, and angles; inductive and deductive reasoning; proofs; perpendicular and parallel lines and planes; congruent and similar figures; parallelograms; the Pythagorean Theorem; right triangle trigonometry; relationships among tangents, arcs, chords, and angles in a circle; and areas of circles and polygons. Other topics that may be addressed as time permits are geometric constructions, coordinate geometry, and/or surface area and volume of solids.

**Prerequisites: Algebra I and teacher recommendation**

### **442/443 Geometry Honors**

**Sophomores, Freshmen**

**1 year**

**1 credit**

Designed to meet the needs of the accelerated mathematics student, this course develops the same concepts as the regular geometry course with the addition of coordinate geometry and volume and surface area of solids and perhaps geometric constructions and geometric probability. More rigorous than the regular geometry course, the treatment of topics is in greater depth and at a faster pace. Placement in an honors class is based on department recommendation.

**Prerequisites: Algebra I or Algebra I Honors and teacher and department recommendation**

### **444/445 Essentials of Geometry**

**Seniors, Juniors, Sophomores**

**1 year**

**1 credit**

This course is designed for students from Algebra I or Essentials of Algebra. This particular geometry course studies the following topics: basic geometry figures and their properties, parallel and perpendicular lines and planes, angles, congruence, similarity, triangles, quadrilaterals, other polygons and circles. Additional topics include right triangle trigonometry, the Pythagorean Theorem, distance and midpoint formulas, area of polygons, surface area and volume of solids, and transformations on the coordinate plane.

**Prerequisite: Algebra I, or Essentials of Algebra I and teacher recommendation**

### **464/465 Essentials of Algebra II**

**Seniors, Juniors**

**1 year**

**1 credit**

The topics addressed in this course include properties of real number, sums and differences of polynomials, transforming equations, graphing linear equations and inequalities, slopes, equations of lines in stand and slope-intercept form, solving and graphing systems of equations and inequalities, laws of exponents, multiplying and dividing polynomials, solving equalities through factoring, operations and equations with radical and complex numbers, quadratic functions, and their graphs, word problems and adding/subtracting matrices.

**Prerequisites: Geometry or Essentials of Geometry and teacher recommendation**

### **466/467 Algebra II**

**Seniors, Juniors**

**1 year**

**1 credit**

Designed to prepare a student for college algebra, this course is open to the above average math student who has earned an A or B in Algebra I. The concepts developed include properties of real numbers, sums and differences of polynomials, transforming equations and formulas, relations and functions, graphing absolute value and linear equations and inequalities, slopes and equations of lines, solving systems of equations and inequalities in two variables, laws of exponents, multiplying and dividing polynomials, solving equations and inequalities through factoring, basic operations with rational expressions, operations and equations with radicals and complex numbers, quadratic functions and graphs, and word problems involving these concepts. This course covers eight or nine chapters in the Alg. II text and may be followed by Finite Mathematics and/or Intro. to Trig.

**Prerequisites: An A or B in Algebra I, Geometry or Essentials of Geometry, teacher recommendation**

### **470/471 Algebra II & Trigonometry**

**Seniors, Juniors, Sophomores**

**1 year**

**1 credit**

This course is designed to meet the needs of the math student whose career and college plans necessitate the eventual study of calculus either at Mater Dei or in college. It challenges the student through a rigorous development of the following concepts and skills: properties of real and complex numbers; operations with real numbers, irrational numbers, complex numbers, algebraic expressions, polynomial expressions, and rational expressions; methods for solving linear equations, compound equations, absolute value equations, absolute value inequalities, quadratic equations, and first degree systems with two or three variables; graphing linear equations and inequalities; properties of linear and absolute value functions; factoring linear, quadratic, and cubic expressions; laws of exponents; simplifying radical expressions and solving equations involving radicals; equations and graphs of parabolic functions; circular and trigonometric functions and equations; and methods for solving triangles. Optional topics include matrices and graphing sine and cosine functions. This course covers ten or eleven chapters in the

Alg. II text, uses the honors grading scale, and may be followed by precalculus and/or Finite Mathematics.

**Prerequisite: An A or B in Algebra I (Both Semesters), Geometry or Geometry Honors or concurrent enrollment, teacher recommendation**

### **479 Finite Mathematics**

**Seniors** **1 semester** **1/2 credit**

This course is designed for students who wish to maintain their math skills and concepts in preparation for college, but who do not wish to take precalculus or do not intend to pursue a math/science career. This course covers stocks, simple and compound interest, annuities, sinking funds, monthly payments, sets, Venn Diagrams, basic probability concepts, conditional probability, Bayes' Theorem, Permutations, Combinations, Bernoulli Trials and Expected Values. Optional areas include statistics.

**Prerequisites: Algebra II or Algebra II Trig, teacher recommendation**

### **481 Introduction to Trigonometry**

**Seniors** **1 semester** **1/2 credit**

This course begins with a thorough review of right triangle trigonometry from geometry and then introduces unit circle trigonometry, law of sines, law of cosines, and radians. This course is not open to students who have completed Algebra II Trig.

**Prerequisites: Algebra II and teacher recommendation**

### **483 Statistics**

**Seniors, Juniors** **1 semester** **1/2 credit**

This introductory course is designed to present the core ideas of statistics: data analysis, some probability and standard statistical methods. Upon successful completion of this course students should be able to use statistical information to reason, evaluate news reports of a statistical nature, and have the basic understanding of statistics for college courses, particularly in the social sciences. The emphasis of this study will be on understanding how to use statistics to address real problems, rather than an emphasis on computations selected from a collection of complex formulas. Topics include displaying and describing distributions, scatterplots, least-square regression, correlation, categorical data, causation, experimental and sampling design, bias, probability, probability rules, discrete and continuous variables, the normal distribution, confidence intervals and tests of significance. Time permitting, significance testing of single proportions, two proportions, t-tests and other hypothesis testing will be covered.

**Prerequisites: Algebra II or Algebra II/Trig**

### **491/492 Precalculus**

**Seniors, Juniors** **1 year** **1 credit**

Intended for the accelerated math student interested in pursuing the study of math and science in college, this course includes study of the following topics: advanced algebra concepts introduced in courses #472 and #473; properties and graphs of circular, trigonometric, polynomial, exponential, and logarithmic functions; mathematical induction; sequences and series; and vectors. Optional topics that may be addressed as time permits are matrices and the use of graphing calculators. This course uses the honors' grading scale. It is strongly recommended that, to be successful in precalculus, students will have earned an A or B in Algebra II Trig.

**Prerequisites: Algebra II Trig and teacher recommendation**

## **494/495 Calculus and Analytic Geometry**

**Seniors**

**1 year**

**1 credit**

This course is designed for the very advanced student and is aimed at preparing the student to pass advanced placement tests when he or she enters college. This course covers behavior and graphs of functions, properties of limits, continuity, derivatives and integrals of polynomials, exponential and logarithmic functions, and other functions, applications of differentiation and integration to trigonometric functions, related rates, optimization and minimization, area, volume, and graphing, Mean Value and Rolle's Theorems, curve length, surface area, l'Hopital's Rule for integration, Inverse Trigonometric Functions, and special integration techniques. Optional areas include plane analytic geometry and polar coordinates. This course uses the honors grading scale.

**Prerequisites: Precalculus and teacher recommendation**

## **PHYSICAL EDUCATION**

### **911 Health**

**Freshmen**

**1 semester**

**1/2 credit**

This course will be taught to all freshmen. The course will stress the holistic approach to good health. The semester will be broken down into six major areas, The Human Body, Physical and Mental; Chemical Dependency; Nutrition; Sexually Transmitted Diseases; AIDS; and Standard First Aid. Teen suicide, problem solving methods, personal decisions with the emphasis in strong Catholic values and teachings will be highlighted. Through this course each student will develop an appreciation for a well-rounded, well-balanced life style. This course is required by the State Board of Education.

### **912 Physical Education I (Boys)**

**Freshmen**

**1 semester**

**1/2 credit**

Emphasis will be placed on activities to include soccer, basketball, volleyball, softball and bowling. Various other physical activities also will be done throughout the semester. A weight training/conditioning program will be done two days a week. An agility day will also be included within the week.

### **917 Physical Education I (Girls)**

**Freshmen**

**1 semester**

**1/2 credit**

This course is designed to allow the student to work on a variety of skills and team activities such as basketball, bowling, volleyball, speedball, soccer, softball, and track and field. Activities including fitness-wellness, physical fitness evaluations, fun runs, and exercises are included in this semester course. A weight training/conditioning program will be done two days a week. An agility day will also be included within the week.

### **920/921 Physical Education II (Boys)**

**Sophomores**

**1 year**

**1 credit**

Emphasis will be placed on activities to include soccer, basketball, volleyball, softball and bowling. Various other physical activities also will be done throughout the year. A weight training/conditioning program will be done two days a week. An agility day will also be included within the week.

### **925/926 Physical Education II (Girls)**

**Sophomores**

**1 year**

**1 credit**

This course is designed to allow the student to work on a variety of skills and team activities such as basketball, volleyball, bowling, archery, tennis, soccer, softball and track and field. Activities including fitness-wellness, physical fitness evaluation, fun runs, and exercises are included in this year-long course. A weight training/conditioning program will be done two days a week. An agility day will also be included within the week.

### **932 Physical Education III**

**Juniors**

**1 semester**

**1/2 credit**

This course is designed for students to continue interpersonal skill development through a variety of lifetime skills such as golf, tennis, bowling, archery, badminton, table tennis, and fitness-wellness activities. Learning at this level deals with the role of physical education, sport and wellness in society, and making value judgments about the students' own well being.

### **935/936 PE Weightlifting/Conditioning**

**Seniors, Juniors, Sophomores**

**1 semester**

**1/2 credit**

**Dual Credit with KC (3 credits)**

Students will have the opportunity to participate in general and sports-specific strength and conditioning. Strength, power, speed, acceleration, endurance, motor skills and agility drills are taught and practiced. The semester class will include general physical preparation, sport fitness and conditioning. Students will continue to learn about the principle of year-round conditioning.

**Prerequisite: Department recommendation**

### **942 Physical Education IV**

**Seniors**

**1 semester**

**1/2 credit**

This course is designed for students to maintain their positive attitude toward fitness-wellness activities and to stay physically active throughout their lives. Activities at this level will be lifetime skills in archery, badminton, bowling, golf, team handball, tennis, pickle ball, cycling, and fitness-wellness activities.

## **RELEASED-TIME PROGRAM**

### **006 Released Time Program**

**Seniors**

**Semester 2**

**No Credit**

Through special arrangements, a junior student may request to register for the Released-Time Program for the second semester of the senior year. In order to qualify for the program, the student must be in good academic standing, with at least a 2.0 G.P.A. and must have completed all school graduation requirements with the exception of religion and English by the conclusion of the first semester of the senior year. While participating in the program, the student must carry an academic schedule of no less than four classes including English and Religion. There will be no academic credit awarded for Released Time and no grade for the program will be recorded.

Prior to registering for the program, the student must submit to the principal, a letter from the parents granting permission to participate in the program and assuming responsibility for the student. A letter from the employer indicating the days and times of work, plus a commitment from the employer to accept the responsibility for the student during those hours of the regular school day must be submitted prior to the beginning of the actual participation in the program. The student will sign an agreement.

It is the responsibility of the student to secure a place of employment, preferably in a skilled or semi-skilled occupation. The student may be paid for his/her work by the employer and will need to provide his/her own transportation. Each day when leaving school, the student must sign out at the main office desk and record the time of leaving school.

Notice: Students who are in the Building Trades Program are not eligible for Released Time Program.

## **SCIENCE**

### **524/525 Physical Science A**

**Freshmen**

**1 year**

**1 credit**

This course introduces the student to physical science, life science, earth science, and ecology. Some of the topics investigated include electricity, magnetism, chemistry, meteorology, astronomy, and geology. This course meets high school graduation requirements. This is done through ordinary classroom procedure, laboratory experimentation, and learning activities involving the use of the library and internet.

### **503/504 Physical Science**

**Freshmen**

**1 year**

**1 credit**

This course is an introduction to the study of matter and energy. In this study of non-living material, some of the topics investigated include chemistry, the laws of motion, simple machines, mechanics, magnetism, electrical, and nuclear energy. Lab work and lectures are utilized in this course. Placement in this class is based on department recommendations.

### **505/506 Physical Science - Honors**

**Freshmen**

**1 year**

**1 credit**

This course is intended for accelerated science students. It is an introduction to the study of matter and energy. Some of the topics investigated include metrics, chemistry, simple machines, electrical energy, and clean water systems. Lectures and lab work are part of this course. Each semester a research project on selected topics will be completed. Placement in an honors class is based on department recommendations.

### **514/515 Earth Science**

**Seniors, Juniors**

**1 year**

**1 credit**

This course can help the student understand the nature of the earth's environment and how man's activities are affecting it. The student will study the earth's position in our universe, its characteristics, including how the surface has changed over time, weather, climate, the oceans, and an introduction to geology. This is done through ordinary classroom procedure, and learning activities involving the use of the library and internet.

**Prerequisites: Biology A or Biology, 2 years of math, and the instructor's approval**

### **520/521 Chemistry**

**Seniors, Juniors**

**1 year**

**1 credit**

This course is designed to introduce students to the science of chemistry. Some of the concepts covered are the atomic theory, kinetic theory, gas laws, equilibrium reactions, and acid-base theory. Laboratory work is part of this course.

**Prerequisites: Algebra I and Geometry or Algebra II. If the student did not take physical science, the approval of the instructor is necessary.**

### **522/523 Chemistry Honors**

**Seniors, Juniors**

**1 year**

**1 credit**

This course is similar to 520/521 Chemistry but is intended to provide the student with a broader knowledge and a deeper understanding of scientific concepts of chemistry. A greater facility in handling mathematical concepts is necessary. Laboratory work is a part of this course. Placement in an honors class is based on department recommendation.

**Prerequisites: Concurrent enrollment in Precalculus is desirable. Minimum requirement is enrollment in Algebra II-Trig or department recommendation.**

### **533 Chemistry II**

**Seniors**

**1 semester**

**1/2 credit**

**Dual Credit with KC(4 credit hours)**

This course is designed for the student wishing to pursue more advanced topics in chemistry. Topics covered are oxidation-reduction reactions, electrochemistry, reaction rates, thermodynamics, nuclear chemistry, and introduction to organic chemistry. Laboratory work is a part of this course.

**Prerequisites: Chemistry, Algebra II-Trig or department recommendation**

### **526/527 Biology A**

**Sophomores**

**1 year**

**1 credit**

This course is intended for the student who has successfully completed Physical Science A or Physical Science. This course will cover the structures and functions of living organisms. Some of the topics studied are plants, animals, genetics, cell structure, biochemistry, and human biology.

### **545/546 Biology**

**Sophomores**

**1 year**

**1 credit**

This course is designed to expose students to concepts concerning various forms of life. This includes the structure and function of cells of plants and animals, and an introduction to genetics, classification, invertebrates, vertebrates, and human biology. A careful observation of the environment will be investigated. Lectures and laboratory work are utilized.

### **547/548 Biology - Honors**

**Sophomores**

**1 year**

**1 credit**

This course is similar to 545/546 Biology but is intended to provide the student with a broader knowledge and a deeper understanding of scientific concepts of biology. The students examine a broad spectrum of themes including biochemistry, cell structure, genetics, evolution, microorganisms, plants, invertebrates, vertebrates, and human biology. Lectures and laboratory work are utilized in this course. Placement in an honors class is based on department recommendation.

### **552/553 Physics**

**Seniors**

**1 year**

**1 credit**

This course is designed for the student interested in science and math. Topics include classical mechanics, electricity, and magnetism, wave lengths, sound, light, and optics. Laboratory work is part of this course.

**Prerequisites: Chemistry, a minimum of Algebra II (Algebra II-Trig is recommended) and department recommendation.**

### **555 Biology II**

**Seniors**

**1 semester**

**1/2 credit**

Biology II will focus on some of the unifying concepts in biology, such as diversification and adaptation, classification, development, and ecology. Serious attention to our environment and the importance of plants to our environment will be part of this course. Each student will utilize the scientific method in his/her studies and lab work.

**Prerequisite: 545/546 Biology or 547/548 Biology with a grade of B or higher.**

### **557 Anatomy and Physiology**

**Seniors**

**1 semester**

**1/2 credit**

This course is offered especially for students going into medical fields, but it may be of interest to other students. The course is an introduction to human anatomy. Emphasis is on each body system of the human. Lab work is utilized and a thorough cat dissection is completed at the end of the semester.

**Prerequisites: 545/546 Biology or 547/548 Biology with a grade of B or higher.**

### **558/559 Physics Honors**

**Seniors**

**1 year**

**1 credit**

**Dual Credit with KC(4 credit hours)**

This course is designed for the advanced science student who is interested in a more detailed and faster paced investigation of the basic concepts of Physics. Topics include classical mechanics, electricity and magnetism, wave mechanics, sound, light, and optics. Lab investigations, special projects, and research will also be included. Mastery of algebra, geometry, and trigonometry is essential.

**Prerequisites: Chemistry, Precalculus or concurrent enrollment, science department recommendation, or approval of the instructor.**

### **570/571 Infinity Project**

**Seniors**

**1 year**

**1 credit**

The Infinity Project is a pre-engineering program intended to increase interest in engineering and technology careers. The program follows a curriculum and uses materials developed by the Southern Methodist University and Texas Instruments. Students will use a Digital Signal Processor and the Visual Applications Builder object-oriented software package to design, build, and test various engineering and technology projects. Course materials focus on digital systems, but paradigms used by all engineering genres are discussed and investigated. The second semester includes one large class design project intended to emulate a complex system, requiring communication and interaction between different engineering groups.

**Prerequisites: Concurrent enrollment in Calculus (494/495) and Physics (552/553) or Physics Honors (558/559), or instructor approval.**

## SOCIAL STUDIES

### **302/303 World History**

**Seniors, Sophomores**

**1 year**

**1 credit**

The essence of the course is to acquaint the student with a compact survey of the development of civilization from ancient to modern times. It is a record of human progress and the influence it has on the world today.

### **305/306 General Social Studies**

**Freshmen**

**1 year**

**1 credit**

This course enables a student to develop skills and an increased awareness in the areas of geography, American government, consumer economics, modern problems, and contemporary social problems.

Students will be required to pass both the Illinois and United States Constitution Tests.

### **307 American Government**

**Freshmen**

**1 semester**

**½ credit**

This is a required course devoted to the origins and the principles of the government and Constitution of the United States. Much emphasis is placed on the United States and Illinois Constitutions, the Declaration of Independence, the flexibility and success of the United States Constitution, and the structure and functions of the legislative, executive, and judicial branches of government. Students will also gain an understanding of the importance of good citizenship and how essential individual participation is in a republic. Students will be required to pass both the Illinois and United States Constitution Tests.

### **310/311 American History**

**Juniors**

**1 year**

**1 credit**

This course covers American history from colonial days to WWII. It gives the student an overall view of the major events in American history along with some idea of how they are related to each other. Included in the presentation are cultural diversity, democratic values, economic factors, global relations, and technology in shaping America then and now. "Who we are is based on what we were". This is a required course for junior year.

### **312/313 A.P. American History**

**Juniors**

**1 year**

**1 credit**

This is an Advanced Placement course, designed to prepare students for the advanced placement examination to be written in the spring. (There is an \$80 fee for each student to take the AP exam). The program covers the colonial period to the present. Designed to provide students with analytic skills and factual knowledge necessary to deal critically with the problems and materials in U.S. History, it also helps students develop skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively in essay format.

**Prerequisite: Departmental approval**

### **321 Modern American History**

**Seniors**

**1 semester**

**1/2 credit**

This class covers World War II to the present day, focusing on the post-war period; special emphasis is given to the Cold War, the civil rights' struggle, changing American life styles and economics, the New Frontier and the Great Society, the Vietnam War, the Gulf War and new challenges for the U.S., from 1980 to the present. The focus is on foreign policy, domestic issues, and societal changes.

**Prerequisite: American History**

### **332 Sociology**

**Seniors**

**1 semester**

**1/2 credit**

**Dual Credit with KC (3 credit hours)**

An introductory examination of the nature of group behavior, social institutions and social processes. Emphasis is placed on social change, individualism, and group pressures. Sociology is the scientific study of human relationships and the interaction that takes place within the social environment. The course presents an introduction to the study of society and culture, the processes of socialization and the structures that comprise societies. This course seeks to provide broad coverage of the field of sociology, introducing the theories, research, and applications that constitute the discipline emphasizing the substantial diversity both within the field of sociology and in society by presenting material that reflects sociology's increasing concern with cultural, gender, racial, and ethnic issues.

### **340 General Psychology**

**Seniors**

**1 semester**

**1/2 credit**

**Dual Credit with KC (3 credit hours)**

A general introductory course which seeks to understand human behavior. Study units include topics such as intelligence, motivation, emotions, frustrations, mental health, senses, attention, perception, learning, forgetting, and thinking. Course objectives are to provide broad coverage of the field of psychology, introducing the theories, research, and applications that constitute the discipline, to arouse intellectual curiosity and build an appreciation for the relevance of psychology, and to serve as an impetus for students to think critically about psychological phenomena, particularly those that have an impact on their everyday lives. This course seeks to illustrate the substantial diversity within the field of psychology and in society by presenting material that reflects the discipline's increasing concern with cultural, gender, racial, and ethnic issues.

**Prerequisite: G.P.A. of B or higher**

### **341 Current World Issues**

**Seniors**

**1 semester**

**1/2 credit**

A study of current world issues, including ecological, economic, political, military, and social issues. The focus is on individual research, team projects, and facilitation of group discussion. Current events are emphasized, with background and historical research to further a deeper understanding of the subject, underlying causes, and possible resolutions. Emphasis will also be placed on understanding how other nationalities, ethnic groups, and geographic areas perceive these issues.

**342 Global Studies****Seniors, Juniors****1 semester****1/2 credit**

This course provides students with the opportunity to explore what is happening in various regions and civilizations at a given time. Additionally, it enables students to investigate issues, themes, and global connections and linkages. Topics covered include the geography, history, economy, government, and relevant current events applicable to the regions studied. A comprehensive understanding of globalization, what it is and what its effects are, both politically and economically, on both the developed world and the developing world, will be emphasized. Environmental issues, including population growth and migration, climate change, industrial and agricultural impacts on soil and water resources, including the world's oceans, will receive special attention.

**744 Marketing Essentials****Seniors, Juniors****1 semester****1/2 credit**

This course offers a comprehensive overview of the field of marketing. Curriculum covered will include market research, marketing careers, and the marketing mix. Determination of various market segments, based on various types of psychological and social influences on consumer behavior, will be inclusive in this course. Students will be required to actively participate in a group business project. (This course may fulfill a Social Studies credit for some colleges).

<b>Freshman Program</b>	<b>Sophomore Program</b>	<b>Junior Program</b>
Theology 1	Theology 2	Theology 3
English 1	English 2	English 3
Math	Math	American History
Science	Science	Math
For. Language/Gen. Social St.	For. Language/Elective	Elective
Health/American Government	P.E./Band	Elective
P.E./Fine Arts/Band	Elective	Elective

<b>Senior Program</b>	<b><u>Graduation Requirements</u></b>	<b><u>Recommended College Program</u></b>
Theology 4	Theology - 4 credits	English - 4 credits
English 4	English - 4 credits	Math - 3 credits
Elective	Science - 2 credits	Science - 3 credits
Elective	Math - 3 credits	Social Studies - 3 credits
Elective	Social Studies - 2 credits	Fine Arts - 1 credit
Elective	Public Speaking - 1/2 credit	Foreign Language - 2 credits
Elective	Consumer Economics - 1/2 credit	Vocational Education
	Physical Education - 1 1/2 credits	
	Health - 1/2 credit	
	Fine Arts - 1/2 credit	
	US Constitution Test - Pass	
	Senior Service Project - Successful Completion	