



Xavier High School  
2011-2012

*Program of Studies*

**XAVIER HIGH SCHOOL**  
**6300 42nd Street N.E. CEDAR RAPIDS, IOWA 52411**  
**(319) 294-6635**  
**FAX (319) 294-6712**

**MISSION STATEMENT AND COMMITMENTS**

*The mission of Xavier High School is to develop the total person in a Catholic environment.*

Xavier High School is part of the Tradition and Mission of the Roman Catholic Church and the Archdiocese of Dubuque. As a part of that tradition, we are committed to:

Proclaiming the Gospel of Jesus in a Catholic, faith-filled environment that motivates each student, staff member, parent and supporter to share in that mission.

Developing each person's spiritual, social, emotional and physical gifts.

Building God's Kingdom through service to our community, nurturing family relationships and modeling Christ in our everyday actions.

Creating an atmosphere of justice and trust through embracing the Gospel in our decisions and actions.

Fostering stewardship through personal commitment, responsibility and accountability to one another and our world.

Providing a learning atmosphere where creativity and innovation are honored and celebrated.

# Table of Contents

Mission Statement.....	1
Table of Contents .....	2
Graduation Requirements .....	3
Guidance .....	4
Theology.....	6
English.....	8
Social Studies.....	11
Mathematics .....	13
World Languages .....	15
Science .....	17
Business.....	19
Fine Arts (vocal music, instrumental music, art and drama) .....	21
Fitness and Wellness .....	27
Additional Electives (Driver’s Education).....	27
Saint Louis University 1818 Advanced College Credit Program .....	29

## REQUIREMENTS FOR GRADUATION

In order to graduate from Xavier High School, a student must successfully complete work in certain well-defined areas of study. The following hours of credit are REQUIRED of all students for graduation:

Theology	40 hrs
English	40 hrs
Social Studies	30 hrs
Mathematics	30 hrs
Science	30 hrs
Keyboarding	2.5 hrs
Fine Arts	5 hrs
Fitness and Wellness	20 hrs
Guidance	4 hrs

Minimum hours required: 230 for graduation

**For early graduation, check procedure as outlined in the student handbook.**

**NOTE:** Freshmen, sophomores, juniors and first semester seniors registered at Xavier must be enrolled in 30 hours of coursework each semester with a minimum of 25 hours in academic classes (60 hours per year and 50 hours in academic classes). Seniors second semester are allowed to reduce their course load to 25 hours (20 hours must be in academic classes) if they have completed their hours and requirements for graduation or will complete their hours and requirements during second semester.

**GRADES** - Grades are given by number, letter, pass, fail, according to achievement.

### GRADE POINT AVERAGE

Cum. Ave. = All courses receiving a grade

<i>Compute:</i>	A+ 4.33	B+ 3.33	C+ 2.33	D+ 1.33
	A 4.00	B 3.00	C 2.00	D 1.00
	A- 3.67	B- 2.67	C- 1.67	D- 0.67
				F 0.00

### CLASS RANK

Academic courses only, weighted according to ability groupings.

<i>Compute:</i>	A+ 40.56	B+ 30.42	C+ 20.28	D+ 10.14
Level 7	A 37.18	B 27.04	C 16.90	D 6.76
	A- 33.80	B- 23.66	C- 13.52	D- 3.38
	A+ 27.00	B+ 20.25	C+ 13.50	D+ 6.75
Level 5	A 24.75	B 18.00	C 11.25	D 4.50
	A- 22.50	B- 15.75	C- 9.00	D- 2.25
	A+ 18.00	B+ 13.50	C+ 9.00	D+ 4.50
Level 3	A 16.50	B 12.00	C 7.50	D 3.0
	A- 15.00	B- 10.50	C- 6.00	D- 1.50

Omitted from Rank: Fitness and Wellness, Dr. Ed., Guidance, Band, Chorus, Pass/Fail or courses less than 5 hours credit.

## GUIDANCE

Guidance classes and individual conferences are a required combination for freshmen, sophomores, juniors and seniors. Basic areas of emphasis include: interpretation of personal data; information about vocations, college, academics, etc.; communication and listening skills; self awareness and awareness of others, goal setting, and development of positive attitudes.

We would like to assist each of you as you plan for your education and vocation. We hope to help with personal decisions by helping you gain a better understanding of yourself in relationship to the Christian and World communities. As questions and problems arise do not hesitate to contact us. We have some required, some elective and some optional programs available for all students.

## **Guidance**

**9300 Individual Counseling**                      **Request**                      **Sem I/II**                      **0 hrs**  
Individual guidance or counseling for a student may be requested by that student, by his or her parent or by a teacher. We recommend each student schedule at least one appointment per year.

**9310 Freshman Guidance**                      **Required 9**                      **Sem I**                      **1 hr**  
Freshmen are required to attend nine small group sessions and one individual conference. The purpose of Freshman Guidance is to acquaint students with guidance services, to assist in adjusting to the Xavier environment, to develop a group unity and identity, to prepare students for making choices and academic decisions and to select courses for sophomore year.

**9320 Sophomore Guidance**                      **Required 10**                      **Sem II**                      **1 hr**  
Sophomores are required to attend nine small group sessions to explore Career Pathways. The purpose of Sophomore Guidance is to provide students with the opportunity to explore career options, to become acquainted with the school to work initiative, to maintain contact with guidance services, to reestablish contact with a counselor and to select courses for junior year.

**9330 Junior Guidance**                      **Required 11**                      **Sem II**                      **1 hr**  
Juniors are required to attend nine small group sessions for the purpose of exploring personal abilities, attitudes, values, and strengths, and to learn more about self in relation to educational and vocational options. Students are introduced to the Job Shadowing program and are encouraged to participate in it. Information is provided concerning college selection, college entrance exams, college entrance requirements and course selection for senior year..

**9340 Senior Guidance**                      **Required 12**                      **Sem I**                      **1 hr**  
Seniors are required one individual conference and two small group sessions. The conferences help students finalize post-high school plans, process additional data needed to make educational and vocational decisions and answer questions and concerns about graduation requirements. The two small group sessions explore sources of financial aid.

## **TESTING AND SPECIAL SERVICES**

**I.Q.** - The Cognitive Abilities Test is required for all freshmen at the beginning of each school year. This test provides basic information on student potential. This test will be scheduled in October.

**I.T.E.D.** - The Iowa Tests of Educational Development is required for all freshmen, sophomores and juniors at the beginning of each school year. I.T.E.D.'s are used for checking academic growth, curriculum study, and ACT and SAT preparation. This test will be scheduled in October.

**PLAN** - This test, designed for use with the tenth graders, has three primary purposes: to help the student initiate and sustain the process of making post-secondary plans, to help the student identify and acquire the academic and enabling skills needed to make a successful transition to post-secondary education or work, and to help the student effectively demonstrate the academic skills used on a national college admissions test, for example, the ACT assessment. This test will be scheduled during 1<sup>st</sup> semester.

**PSAT/NMSQT** - Preliminary Scholastic Aptitude Test/National Merit Scholarship Qualifying Test is a test designed to identify students for academic recognition during junior year and to give practice for SAT testing. It is open to all freshman, sophomore and junior students for practice but juniors only for scholarship recognition. Test date is Wednesday, October 12, 2011.

**ACT and SAT** - American College Test and Scholastic Aptitude Test are college entrance examinations open to all students, but recommended during 2nd semester of junior year. Practice tests are available for students online at [www.actstudent.org](http://www.actstudent.org) and in the Guidance office.

### **ACT**

#### Test Date

Sept. 10, 2011  
Oct. 22, 2011  
Dec. 10, 2011  
Feb. 11, 2012  
Apr. 14, 2012  
June 9, 2012

### **SAT**

#### Test Date

Oct. 1, 2011  
Nov. 5, 2011  
Dec. 3, 2011  
Jan. 28, 2012  
Mar. 10, 2012\*  
May 5, 2012  
June 2, 2012  
\*(SAT I only)

SAT dates are subject to change.

A School Psychologist, Speech Clinician and Social Worker are available upon request for special testing and counseling through the Guidance Office from Grant Wood Area Education Agency.

# THEOLOGY

ALL CATHOLIC STUDENTS are required to take 5 hours of Theology each semester for a total of 40 hours. All students must take the freshman, sophomore and junior courses listed. Seniors must take Christian Lifestyle one semester and choose an elective for the other semester.

NON-CATHOLIC STUDENTS are required to take 20 hours of Theology before graduation. Students may choose 15 hours from any of the courses listed. Seniors must take Christian Lifestyle for one semester.

## **1120 The Revelation of Jesus Christ in Scripture**

**Required 9 Sem I 5 hrs**

The purpose of this course is to give students a general knowledge and appreciation of the Sacred Scriptures. Through their study of the Bible students will come to encounter the living Word of God, Jesus Christ. In the course they will learn about the Bible, authored by God through Inspiration, and its value to people throughout the world. Students 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. Paying particular attention to the Gospels, students will grow to know and love Jesus Christ more personally. *New United States Conference of Catholic Bishops (USCCB) curriculum.*

## **1141 Who is Jesus Christ?**

**Required 9 Sem II 5 hrs**

The purpose of this course is to introduce students to the mystery of Jesus Christ, the living Word of God, the Second Person of the Blessed Trinity. In this course students will understand that Jesus Christ is the ultimate Revelation to us from God. In learning about who he is, the students will also learn who he calls them to be. *New United States Conference of Catholic Bishops (USCCB) curriculum.*

## **1210 Scriptures I**

**Required 10 Sem I 5 hrs**

Sophomore Theology begins with the study of the Old Testament, emphasizing Biblical themes of covenant, sin and love, holiness, the leadership of Israel, Messiah and the themes of prophets. Exploration of the scriptures that Jesus studied deepens our relationship with Jesus and enhances our understanding of many aspects of our faith and identity as Catholic Christians.

## **1221 Religious Foundations II**

**Required 10 Sem II 5 hrs**

Religious Foundations II is a course that builds on Religious Foundations I. The first unit focuses on The Call to Holiness and how each of us lives out this call in our Christian lives. Unit II explores the sacraments of Reconciliation and Confirmation and how they are necessary for holiness. Unit III once again focuses on prayer where various forms of personal and communal prayer are experienced. Unit IV guides students to learn more about their local parish and the Church in the world from the Archdiocese to the Vatican and the leaders of the Church at these levels. Unit V is a study of the Theology of the Body, the Catholic perspective on the gift of our sexuality.

## **1310 Scriptures II**

**Required 11 Sem I 5 hrs**

Students will explore the world of Jesus' day and discover how and why the New Testament was written. Study on the Gospel of Mark and Luke, concentrating on the major events and message of Jesus' life and ministry, follows. Next the early history of the Church and growth of the Christian community are explored in the Acts of the Apostles. Last, students will study about Paul and his letters, the major reasons and themes he wrote to the early Christian communities.

## **1321 Ethics and Morality**

**Required 11 Sem II 5 hrs**

This course will broaden the students' perspective from personal values to societal relationships. As Christians, our Gospel calling is that of making moral decisions that promote justice within all levels of community, including the global community. With a firm basis given in the moral

decision-making process grounded in the person of Jesus, students will do an in-depth study of a justice issue and present it to their classmates.

**1410/1421 Christian Lifestyle Required 12 All Students Sem I/II 5 hrs**

God calls each of us to be with Him eternally and shows us the way through the example of His Son, Jesus. God gives each person a unique role in building the Kingdom - a call to love and serve in a way that no one else can. We are challenged to apply the values of Jesus to our decisions about relationships, learning, work, money and possessions and leisure. We can choose to live as single, vowed, ordained or married persons. No matter which vocation we choose, we have the privilege of reflecting God's love in a world that is not yet perfect. We find our vocation "where the world's great need meets our deep desire". Our study includes the Catholic sacraments of Holy Orders and Marriage.

**1431 Ministry - Service Elective 12 Sem II 5 hrs**

This is a service course through which the student has an opportunity to live out the Christian responsibility to be of service to others. Students are to set up a service project and be faithful to it throughout the course of the semester. Students will be taught skills that will assist in the set up, performance and successful completion of the project. In addition to the project, students will also meet 8-10 times during the semester for learning skills, prayer and discussion of the project. Some examples of possible projects are: tutoring, helping with children in day care centers, campus ministry, visiting the elderly and working with the physically and mentally challenged. Students may fulfill the 54 hours of required service either during free periods during the school day or after school. Students need to have a full period in their schedule to take this class. Limited enrollment with departmental approval required.

**1441 Comparative Religion Elective 12 Sem II 5 hrs**

Comparative Religion acquaints the student with the rich diversity of belief in our world today. The course begins with a brief analysis of the nature of religion. The remainder of the course is a comparison of other beliefs with Catholic belief. Belief systems studied are: Hinduism, Buddhism, Taoism and Confucianism, Judaism, Islam, Orthodoxy and Protestantism. The course ends with a study of contemporary trends in American society. Students enrolling in this course must have demonstrated proficiency in reading comprehension in order to make the necessary comparisons among these beliefs.

**1450/1451 Death and Dying Elective 12 Sem I/II 5 hrs**

One of the surest realities of life is death. And yet, due to the mystery connected with the unknown aspects of death, as well as a social history of silence on the topic, many people approach the subject of death with anxiety and fear. One purpose of this course is to examine attitudes and assumptions about death in the light of realities that have been discovered about physical dying as well as death-dealing experiences in daily living. Topics will include a look at the grief process, a variety of subjects relating to questions of medical ethics, and a close look at the Catholic Church's view on death and afterlife as well as that of selected non-Christian traditions. Students will study the ritual changes contained in the Catholic Church's new Order of Christian Funerals for the 1990's. As a result of this course students should better be able to prepare for their own death and respond with greater sensitivity to the dying and to those who are grieving.

**1470 Why Am I Catholic Elective 12 Sem I 5 hrs**

This seminar-style elective course explores the very identity of our Catholic faith and how to defend it. Issues will include Catholicism and Fundamentalism, Mary, and an examination of how and why Catholic churches and the mass are constructed as well as other topics. Many topics of study will also be chosen by students enrolled in the class. Students in this course must be highly motivated as much work will be done independently outside of the classroom. Students will be responsible for writing several papers and book/article reports, as well as, being able to defend their faith and beliefs in dialogue.

# ENGLISH

## REQUIREMENTS

All students are required to take 40 hours of work in the field of English before graduation. These hours must include: 1. 10 hours of English I 2. 10 hours of English II 3. 10 hours of English III 4. 10 hours of English electives. It is the Department's recommendation that each senior select one writing course and one literature course to meet the senior requirement. Students may select as many electives beyond this as they choose.

### **2110-11/2116/2117 Reading Advancement I, II Elective Sem I/II Cr. Arr.**

This course is provided for students who wish to increase their reading abilities in comprehension. It also focuses on improving writing, grammar and spelling skills. It is a full-year course for 3-level students and a one-semester course for 5-level students. Approval of the instructor is required.

### **2130-31/2150-51/2170-71 English I (Level 3, 5, 7) Required 9 10 hrs**

The student is offered a program that enables him/her to speak, listen, read and write with increasing understanding. Literature is studied by genre, including short story, drama, poetry, novel and mythology. A literature-based research paper is written by each student. A sequential vocabulary program is followed throughout the year. Emphasis in each area varies with the level.

### **2180/2191 Speech I (Level 5) Elective 9, 10, 11, 12 Sem I/II 5 hrs**

This course assists students in developing small group and interpersonal communication skills, focusing on achieving natural, correct, and effective speaking styles. The course provides an introduction to speaking skills, public address, rhetoric, argumentation, and interview techniques. This class provides students with many opportunities to speak in front of a supportive audience.

### **2230-31/2250-51/2270-71 English II (Level 3, 5, 7) Required 10 10 hrs**

This course builds on the language arts program introduced in English I. The study of literature is by genre. Speech and writing place emphasis on effective use of language as a tool of self-expression. A literature based research paper is written by each student. The vocabulary program is continued from the freshman year.

**2330-31/2350-51/2370-71 English III (Level 3, 5, 7) Required 11 10 hrs**

This core course for juniors includes the three basic areas of English study: literature, language, and composition. Emphasis in each area varies with the level. Literature is a chronological survey of American writings as they were formed by the people and issues of the times. In addition to writing shorter pieces of composition, the complete process of writing a research paper is thoroughly covered with final instructions for a college level research paper. Vocabulary study continues throughout the junior year.

**2410 College Prep Reading & Study Skills (Level 5)  
Elective 10, 11, 12 Sem I 5 hrs**

Students are taught the advanced reading and study skills necessary to perform upper level high school and college work efficiently. This course includes practice in increasing reading speed while maintaining comprehension. Students will use print and computer-generated speed reading materials. Study skills include memory improvement, note taking from texts and lectures, and test and exam preparation. This course is geared toward sophomores, but is also open to juniors and seniors. Although the class does count toward the core requirements for English at Xavier, it may not count toward English credit for college admissions.

**2431/2451 Writers Workshop (Level 3, 5) Elective 11, 12 Sem II 5 hrs**

This semester-long course emphasizes the development of writing skills to meet the demands of everyday life. Units include various applications, resumes, technical descriptions and personal business communications.

**2441/2461 World Literature (Level 3, 5) Elective 11, 12 Sem II 5 hrs**

World Literature is a course designed to familiarize the student with the great ideas of a variety of peoples through time. The student will develop a heightened awareness of and an appreciation for other cultures and worldviews, while at the same time, the student will discover the similar experiences that people share from nation to nation and from era to era. World Literature should be thought of as a seminar. The nature of a literature survey course is to move along quickly. Students will be expected to read selections several times a week. They will also be expected to complete several writing assignments. The student's critical thinking, analysis, and discussion are essential for the work done in class. The units will cross genres and genders with an appreciation for global communities.

**2540 Effective Writing (Level 5) Elective 12 Sem I 5 hrs**

This course builds competency in college freshman composition. It is designed to help students become comfortable with writing. Through the use of composition models, class discussion and the study of the techniques of noted writers as a basis, students will write expository papers. In addition, time will be spent reviewing the mechanics of good writing.

**2551 Creative Writing (Level 5) Elective 12 Sem II 5 hrs**

This course is for the student who enjoys writing poetry, drama and fiction. Emphases will be on developing a student's ability to critique his/her own writing, while improving writing skills.

**2561 Modern Fiction (Level 5) Elective 12 Sem II 5 hrs**  
Modern Fiction is a semester course which provides a thought-provoking study of three popular thematic genres of modern fiction: mystery, fantasy, and science fiction. Students will focus on critical reading and thoughtful examination of short stories, novels, and film selections from these three genres. Three short papers will be written defining the genres using examples from the selections studied in class. Students will be required to purchase approximately \$20 worth of paperbacks.

**2571 AP English Literature and Composition-British Literature (Level 7) Elective 12 Sem II 5 hrs**  
An AP English Literature and Composition course engages students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work's structure, style and themes, as well as such smaller-scale elements as the use of figurative language, imagery, symbolism and tone. Specifically, AP English Literature and Composition-British Literature is a chronological survey course covering British Literature from the Anglo-Saxon/Old English era to the present. Students will read and research a work from classic British Literature, then produce a literary analysis research paper with respect to that work. Students interested in taking the Advanced Placement Exam in English Literature and Composition for possible college credit should register for this course.

**2580 AP English Literature and Composition-Literature and Analysis (Level 7) Elective 12 Sem I 5 hrs**  
An AP English Literature and Composition course engages students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work's structure, style and themes, as well as such smaller-scale elements as the use of figurative language, imagery, symbolism and tone. Specifically, this course focuses on the study of drama and prose fiction works and requires the student to hone skills in analytical reading, thinking, discussing, and writing. A summer reading unit is required before the start of this course. Students interested in taking the Advanced Placement Exam in English Literature and Composition for possible college credit should register for this course.

**2610-11 Beginning Journalism (Level 7) Elective 10, 11 10 hrs**  
This is an introductory course which teaches students the basic skills of journalistic writing as well as the editing, design and desktop publishing necessary for working on the school newspaper. The course also covers a study of the modern press and journalism ethics. Students must sign up for a full year. This class serves as a prerequisite for Advanced Newspaper Production.

**2620-21 Advanced Newspaper Production (Level 7) Elective 11, 12 10 hrs**  
Students in this class assume all responsibility for the production of the school newspaper. Beginning Journalism is a prerequisite for this course, as is instructor approval.

**2710-11 Yearbook Production (Level 5) Elective 11, 12 10 hrs**  
Students in this course will learn basic journalistic styles of writing, editing, and design. They will create yearbook spreads and master the online program that assists with the production of the school yearbook. Students are also responsible for learning basic photography skills and taking photos at school events. No previous journalism experience is necessary. This course is not applicable as core English.

# SOCIAL STUDIES

## **3136-37/3156-57/3176-77 World Civilization (Level 3, 5, 7) Required 9**

**10 hrs**

The World Civilizations course will cover world history from a regional perspective, beginning with the cradle civilizations in the Middle East, Africa, Asia, and Europe, and tracking them through 500 A.D. The second semester will continue looking at these regions of the world through the year 1900, and also include study of the history of the Americas. Special emphasis will be placed on skill development that allows students to become more knowledgeable of historical concepts and analysis.

## **3210/3270 Social Issues Today (Level 5, 7) Elective 10 Sem I**

**5 hrs**

Current events and issues are combined with sociology and criminal justice topics, including "Crime and the Criminal Justice System," "Terrorism" (both international and domestic), "Organized Crime," "Jails and Prisons," "Dating Violence and Rape," "Child Abuse," and "Being Good Stewards of God's Earth." Through class access to online news, TV news and weekly news magazines, students will be well informed regarding global, national, state and local issues and events. Connections will be made to concepts in sociology, government, geography, psychology, economics, history, health and technology. Guest speakers including law enforcement professionals and field trips to watch a criminal trial and visit a prison may be included.

## **3221/3227 The World Today (Level 5, 7) Elective 10 Sem II**

**5 hrs**

The World Today will examine the regions and peoples of the world from a modern perspective. Students will compare cultures through the use of current events, geography, politics, and history to form opinions and strategies on world issues. Emphasis is on the examination and problem-solving of current international events. Topics change annually, but may include such things as the AIDS crisis in Africa, overseas investments by American companies and the international drug trade. Further research into a culture of particular interest to individual students is also required and guest speakers from around the globe are sought out to give students a global outlook.

## **3336-37/3356-57/3376-77 United States History (Level 3, 5, 7) Required 11**

**10 hrs**

Our nation's past is examined in a comprehensive survey of the history of the United States. The course will incorporate various social sciences and humanities to aid in a better understanding of our nation's history. Units include: Colonization, Revolution and Republic, Civil War Era, Turn of the Century, Age of Imperialism and World War I, 1920's and 1930's, World War II, Postwar America, 1960's and Vietnam, Civil Rights Movement, and Modern Age.

## **3410/3421 U. S. Government (Level 5) Required 12 Sem I/II**

**5 hrs**

U. S. Government is a reading and discussion course for all seniors. It is designed to provide a practical knowledge of our government, enabling the student to function as an informed citizen. Units studied include: The Constitution, Presidency, Legislative Branch, Law and the Courts, and State and Local Government.

## **3471 AP Government (Level 7) Elective 12 Sem II**

**5 hrs**

AP Government will give students the ability to analyze and provide perspective on government and politics in the United States. Topics covered include the Constitutional underpinnings of the U.S government, political beliefs and behaviors, political parties, interest groups and mass media, institutions of national government, public policy, civil right and civil liberties. Students will have the option of taking the Advanced Placement test in May to obtain college credit. Successful completion of this course satisfies the government graduation requirement in Social Studies.

**3480-81 AP United States History (Level 7) Elective 11, 12 10 hrs**

AP US History is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in US History. The course encompasses all eras from the pre-Columbian to the present. Students have the option of taking the advanced placement test in May to obtain college credit. Special attention will be given to preparing for the documents based questions on the AP Exam and synthesizing primary source materials within the textbook content of US History. Successful completion of this course satisfies the US History graduation requirement in Social Studies.

**3550-51/3570-71 Applied Economics (Level 5, 7) Required 12 Sem I/II 5 hrs**

Applied Economics helps prepare students for everyday life as a consumer, citizen and employer/employee and for college economics. It provides an understanding of economic concepts and relates them to the real world. Topics covered include: Practical Economics (filing state and federal tax returns, understanding the stock market, renting an apartment, car and life insurance, budgeting, wise use of credit, etc.); The National Economy (economic health of the U. S., national debt, role of the Federal Reserve Banks, the government's taxing and spending policies); Markets, Prices and Business Competition; Financing a Business; The World of Work; International Economics and Trade. A business consultant from the community meets weekly with students to connect the course to the real economic world. Students may run a computer simulated business competition.

**3650/3670 Psychology I (Level 5, 7) Elective 11, 12 Sem I 5 hrs**

This course serves as an introduction to basic psychological concepts. Topics such as aspects of development from birth to death, how the mind works related to learning and emotions and motivation are explored. The class relies heavily on discussion and topics are often applied to current events.

**3751/3771 Psychology II (Level 5, 7) Elective 11, 12 Sem II 5 hrs**

The topics discussed in Psychology I are expanded upon in Psychology II. Students will explore levels of consciousness, personality and social behavior, abnormal behavior and how to achieve and maintain mental health. Upon completion of the course the student will have a basic knowledge of the most common psychological concepts. Prerequisite: Psychology I or consent of the instructor.

**3850/3870 Law I (Level 5, 7) Elective 11, 12 Sem I 5 hrs**

Law I will stimulate students interest in criminal law, criminal procedure and criminal justice. Students will understand what happens to criminals from the investigation period up to trial. Criminal law areas studied include crimes against the person such as murder, assault, rape, etc. and crimes against property such as arson, theft, burglary, etc. Units on criminal procedure and criminal justice will help students understand how current situations faced by police and criminals impact student's lives today.

**3951/3971 Law II (Level 5, 7) Elective 11, 12 Sem II 5 hrs**

Law II will help students understand more of what happens in civil areas of the law. Topics to study include torts (private lawsuits), contracts, workers compensation, landlord-tenant and sports law. This course will help prepare students for a career in business or the legal profession. Prerequisite: Law I or consent of the instructor.

## MATHEMATICS

Mathematics plays an important part in the general education of the whole student. Since we recognize that all students are rational beings, their God-given reasoning powers should be developed. The primary focus of the mathematics curriculum, in coordination with the NCTM (National Council of Teachers of Mathematics) standards, is to help students use their reasoning powers to become problem solvers. To accomplish this, problem solving will include the

gathering and processing of information, thinking analytically, using technology, coping with changes, and making decisions by using mathematics in varying degrees. Students need to be actively involved in the learning of mathematics. The three Iowa Universities require a year each of Algebra I, Geometry, and Algebra II. A calculator, appropriate to each class, is required.

**4110-11 General Math (Level 3) Elective 9 10 hrs**

This course is designed to improve and reinforce basic skills using whole numbers, decimals, fractions, percents, and signed numbers. Problem solving skills encouraging quantitative literacy are developed. Estimation and reasonableness of results are used to evaluate answers. Manipulatives are used to introduce algebra. Graphs are introduced. (Placement is determined by using ITBS scores, end of the year test results, and teacher recommendations.)

**4130-31 Algebra I (Level 3) Elective 9, 10 10 hrs**

The student is offered part 1 of a 2-part program based on the skills and concepts of a first year of algebra. These courses include units in evaluating expressions, polynomials, problem solving, factoring, graphing, open sentences in two variables, systems of open sentences in two variables, rational and irrational numbers, functions, inequalities and quadratic equations. (Placement is determined by ITBS scores, end of the year test results, and teacher recommendations.) A scientific calculator is required—no graphing calculators please.

**4132-33 Algebra Topics (Level 3) Elective 10, 11 10 hrs**

The student is offered part 1 of a 2-part program based on the skills and concepts of a first year of algebra. These courses include units in evaluating expressions, polynomials, problem solving, factoring, graphing, open sentences in two variables, systems of open sentences in two variables, rational and irrational numbers, functions, inequalities and quadratic equations. (Placement is determined by ITBS scores, end of the year test results, and teacher recommendations.) A scientific calculator is required—no graphing calculators please.

**4150-51/4170-71 Algebra I (Level 5, 7) Elective 9 10 hrs**

The student is offered a program based on the skills and concepts of a first year of algebra. These courses include units in evaluating expressions, polynomials, problem solving, factoring, graphing, open sentences in two variables, systems of open sentences in two variables, rational and irrational numbers, functions, inequalities and quadratic equations. (Placement is determined by ITBS scores, end of the year test results, and teacher recommendations.) A scientific calculator is required—no graphing calculators please.

***ALL OF THE FOLLOWING MATH COURSES MUST HAVE TEACHER APPROVAL***

**4230-31/4250-51 Geometry (Level 3, 5) Elective 10, 11 10 hrs**

**4270-71 Geometry (Level 7) Elective 9, 10 10 hrs**

The elements of a system including undefined terms, defined terms, postulates, and theorems are integrated into a consistent set of relationships. Higher-level thinking skills are developed in this course. Units include circles, polygons, congruence, coordinate geometry, right triangle relationships, similarity, area, volume and constructions. A ruler, protractor, compass, and scientific calculator are required—no graphing calculators please. Prerequisite: Algebra I.

**4310-11 Consumer Mathematics (Level 3) Elective 11, 12 10 hrs**

The emphasis of this course is on basic application, including the use of tables and charts. Sample units encompass check book balancing, completion of tax forms, housing and installment buying, transportation costs, wages, checking, savings, and charge accounts, loans, budgets, housing costs, insurance, medical expenses, social security, expenses in maintaining a home, retirement plans, and penalties for early withdrawal. Prerequisite: teacher approval.

**4350-51/4370-71 Algebra II (Level 5, 7) Elective 10, 11, 12 10 hrs**

This course builds on a first year algebra course. Topics include number systems, polynomial operations, linear and quadratic functions, equations and their graphs, exponential and polynomial equations. Level 7 also includes units in trigonometry, sequences and series and

logarithmic expressions. A graphing calculator for level 7 is required (A T183 or T183+ is preferred.). Prerequisite: Algebra I and Geometry.

**4380-81 Algebra III (Level 5) Elective 11, 12 10 hrs**

This course reaffirms and builds on second year algebra. Topics include linear, quadratic, and polynomial functions, inequalities, laws of exponents and logarithms, analytic geometry, and trigonometry. Designed for the student who may need to take a higher level math class, but needs more preparation. Prerequisite: Algebra I, Geometry, Algebra II.

**4440 Trigonometry (Level 5) Elective 11, 12 Sem I 5 hrs**

Trigonometry is the study of triangles, angles, and their relationships. Topics in Algebra II and Geometry will be reviewed. Trigonometric functions and their graphs will be studied. Problem solving using trigonometric ratios will be emphasized. This course is highly recommended for students wishing to pursue a 4-year degree in college. A graphing calculator is required (A T183 or T183+ is preferred.). Prerequisite: Algebra II (Level 5 or 7).

**4441 Statistics (Level 5) Elective 11, 12 Sem II 5 hrs**

Statistics is the branch of mathematics concerned with collecting, organizing and summarizing numerical facts (data) and for making predictions based on these facts. Statistical analysis and topics in probability will be addressed. This course is highly recommended for students wishing to pursue a 4-year degree in college. A graphing calculator is required (A T183 or T183+ is preferred.). Prerequisite: Algebra II (Level 5 or 7).

**4470-71 Pre-Calculus (Level 7) Elective 11, 12 10 hrs**

This courses prepares students for a calculus course. Topics covered are functions (linear, quadratic and polynomial) and their graphs, exponents and logarithms, analytic geometry and conic sections, trigonometric functions, equations and identities, and complex numbers, vectors and determinants, sequences and series. If time allows, an introduction to limits will be included. A graphing calculator is required (A T183 or T183+ is preferred.). Prerequisite: At least a C in Algebra II (Level 7) or at least a B in Algebra III (Level 5).

**4770-71 AP Calculus (Level 7) Elective 12 10 hrs**

Calculus is recommended for the accelerated, college bound students. It is a rigorous, college-level course that studies limits, continuity, differentiation and integration. Students will have the option of taking the Advanced Placement exam in May to obtain college credit. The calculus techniques are applied to a variety of other disciplines, particularly physics. A graphing calculator is required (A T183 or T183+ is preferred.). Prerequisite: At least a B in Pre-Calculus.

## **WORLD LANGUAGES**

**5110-11 Latin I (Level 7) Elective 9, 10, 11 10 hrs**

Latin I is an elective course open to all students. The course is divided into thirteen units. The vocabulary for each unit is chosen for the frequency of its occurrence in Latin Literature and in English derivatives. A medical vocabulary unit is also included in Latin I. This course is predicated on the notion that the study of Latin enriches one's grasp of the English language, thereby, improving writing and reading skills, as well as, the students' understanding of English grammar. The similarities and differences between English and Latin are regularly stressed, and the reading lessons derived from classical literature provide a solid cultural and moral basis for the students and offers them many elements of Roman History. Glimpses of Roman Life complements the reading at the end of each unit and videos such as Jesus of Nazareth, The

Greatest Story Ever Told, King of Kings, The Robe, Ben Hur, Spartacus and Quo Vadis bring the events and people of this time period to life.

**5120-21 Latin II (Level 7) Elective 10, 11, 12 10 hrs**

Latin II is an elective course open to all students who have successfully completed Latin I. Latin II retains the same basic theme and organization as Latin I. It continues to emphasize American ideals and their classical background, the comparisons between ancient and modern ways of life, English vocabulary-building through the study of Latin roots and a thorough, yet simple, explanation of the similarities and differences between English and Latin grammar. The Latin readings and the video selections are accompanied by exercises intended to help the students analyze the real sense of what is being said. The translation of Jason and the Argonauts reviews the entire study of Latin I and II.

**5210-11 Spanish I (Level 5) Elective 9, 10, 11, 12 10 hrs**

This course presents the basic material needed to develop reading, writing, listening and conversation skills, with primary emphasis placed on conversation. Each unit is situated in a Hispanic country or region. Activities include paired and group dialogs, grammar practice, cultural readings, listening comprehension, as well as videos and individual writing activities. Prerequisite: English I (Level 5 or 7), may be taken concurrently or consent of the instructor.

**5220-21 Spanish II (Level 5) Elective 9, 10, 11, 12 10 hrs**

The skills learned in Spanish I will be further developed in this course through activities similar to those in the first level. Vocabulary and structures will be reinforced primarily through conversations, but also through writing, listening and reading activities. The history, culture and geography of several Latin American countries, as well as, Latin communities in the U.S. will be a part of the course. Prerequisite: Spanish I passed with a "C" grade or higher.

**5230-31 Spanish III (Level 7) Elective 10, 11, 12 10 hrs**

A good base knowledge of material learned in Spanish I and II is needed in this third year course. The teaching of practical, conversational vocabulary and more advanced sentence structure is interwoven with the teaching of culture. In-class activities include paired and large group conversations, speeches, the reading of articles and stories, videos and visits from native speakers. Students are expected to communicate mostly in Spanish. Prerequisite: Spanish II passed with a "C" grade or higher.

**5240-41 Spanish IV (Level 7) Elective 11, 12 10 hrs**

This course is a continuation of Spanish III. Writing and conversation skills are refined. Class work and conversation are done almost entirely in Spanish. Emphasis is placed on literature and culture and the formal writing process is introduced. Prerequisite: Spanish III passed with a "C" grade or higher.

**5260-61 AP Spanish (Level 7) Elective 12 10 hrs**

Students will be exposed to a demanding review of grammatical structures, the process of formal writing, extensive conversational practice, and aural comprehension activities. Students will be taught test-taking techniques that will enable them to perform successfully on the AP Spanish Language Examination and various placement exams offered by individual colleges and universities. Prerequisite: Spanish IV passed with a "B" grade or higher.

**5310-11 French I (Level 5) Elective 9, 10, 11, 12 10 hrs**

This course is an introduction to the French language. Class time is spent developing listening, speaking, reading and writing skills. Activities include pair work, conversations, grammar practice and cultural activities. French is used as much as possible in class and an emphasis is placed on communication and pronunciation. Students will receive a workbook. Prerequisite: English I (Level 5 or 7), may be taken concurrently or consent of the instructor.

**5320-21 French II (Level 5) Elective 9, 10, 11, 12 10 hrs**

This course is designed to further develop the skills learned in French I. Students will continue learning and practicing their listening, speaking, reading, writing skills and continued learning of French pronunciation. French is used by the teacher and students as much as possible. Students will receive a workbook. Prerequisite: French I passed with a C grade or higher.

**5330-31 French III (Level 7) Elective 10, 11, 12 10 hrs**  
This course further develops the skills learned in the first two years of language study. There is an increased emphasis on written and oral skills. Students will explore cultural aspects of French-speaking countries and begin literature studies. Class is conducted mostly in French and students are expected to communicate mostly in French. Prerequisite: French II passed with a C grade or higher.

**5340-41 French IV (Level 7) Elective 11, 12 10 hrs**  
This course is a continuation of French III and provides a greater emphasis on literature, culture and the history of France and other French-speaking countries. Language skills will also be refined through advanced study of structures and vocabulary along with written and verbal presentations. Class is conducted almost exclusively in French. Prerequisite: French III passed with a C grade or higher.

## SCIENCE

**6130-31/6150-51/6170-71 Basic Concepts of Science (BCS) (Level 3, 5, 7) Elective 9 10 hrs**  
This is an introductory course in Science. It presents the basics of Chemistry, Earth Science, Physics and Biology and includes laboratory experiences. The approach is designed to emphasize the mechanics of all science, as well as, the essential concepts of the various science disciplines. This science course will be required for all other science courses.

**6230-31/6250-51/6270-71 Biology (Level 3, 5, 7) Elective 9, 10, 11 10 hrs**  
This is a lecture, discussion, and laboratory-centered course with an emphasis on the understanding of the basic biological processes. The students develop an understanding of a wide variety of living organisms. Areas covered include the cell theory, energy relationships, DNA, genetics, variety of life and classification, plant structure, and the human organ systems. Dissection will be offered. Prerequisites: BCS or a placement recommendation for Level 7 Biology.

**6350-51/6370-71 Human Anatomy and Physiology (Level 5, 7) Elective 10, 11, 12 10 hrs**  
This is a one-year study of the different systems of the human body and their functions. This study also gives insight into the different diseases of the various systems of the body; the prevention of disease and the possible treatment for those diseases. Other topics include epithelial tissues, connective tissue, muscle tissue and nervous tissue. Animal dissection will correlate to much of the human understanding. Prerequisites: Biology or teacher recommendation.

**6390-91 AP Biology (Level 7) Elective 11, 12 10 hrs**  
AP Biology is an in-depth course emphasizing independent reasoning skills. This course meets the requirements of the International Advanced Placement Program. It is taught as a college level class. Students will have the option of taking the Advanced Placement exam in May to obtain college credit. Major areas of study are biochemistry, cell biology, genetics, population dynamics, plant and animal biology, and ecology. Due to the difficulty in performing college level laboratories in a high school class period, outside class time will periodically be required to complete these labs. Prerequisites: Biology, Chemistry and consent of the instructor.

**6450-51/6470-71 Chemistry (Level 5, 7) Elective 10, 11, 12 10 hrs**

A theoretical, experimental and problem solving approach is used in this course. The foundations of chemistry, formula and equation writing, reaction chemistry, gases, bonding and acid/bases are primary topics (Level 7 students will cover oxidation reduction and organic nomenclature). The student will develop the techniques of using lab equipment properly, running experiments and interpreting data. Level 7 students will be required to keep a laboratory notebook and prepare formal laboratory reports. Prerequisites: Biology or teacher recommendation.

**6490-91 AP Chemistry (Level 7) Elective 11, 12 10 hrs**

AP Chemistry is an in-depth course emphasizing independent reasoning skills. This course meets the requirements of the International Advanced Placement Program. It is taught as a college level class. Students will have the option of taking the AP exam in May to possibly obtain college credit. Major areas of study are atomic theory, gases, acid-base reactions, oxidation-reduction reactions, stoichiometry, equilibrium, kinetics and thermodynamics. Prerequisites: Chemistry (6470-71) and teacher recommendation.

**6550-51/6570-71 Physics (Level 5, 7) Elective 11, 12 10 hrs**

Physics (Level 5) is designed to teach concepts of physics with a minimum of math. It is for anyone interested in the fundamentals of motion, forces, energy, light, heat, structure of matter, magnetism and electricity. Reasoning skills, problem-solving and lab techniques are emphasized. This course is NOT recommended for students planning to go into science or engineering in college. Physics (Level 7) is designed to provide a conceptual framework of contemporary physics, showing how physical knowledge is acquired experimentally and woven into physical theory and how theory, in turn, directs and illuminates experimentation. Physics is presented as an integrated picture of historical and contemporary physics - as a model of man's intellectual activity; purposeful and yet human and therefore fallible. Major topics include motion, forces, energy, light, electricity and magnetism. Prerequisite: Biology, Chemistry, Algebra II (may be taken concurrently) and teacher recommendation.

**6630-50/6731-51 Global Science (Level 3, 5) Elective 11, 12 Sem I/II 5 hrs**

A discussion and laboratory course devoted to the study of our global ecosystem, Spaceship Earth! This course equips the student with necessary information to understand environmental problems and solutions. The student will develop an appreciation for our local as well as the global ecosystem through the study of topics such as basic ecological concepts, natural resource use and conservation; pollution, energy sources and decisions on environmental policy at all governmental levels. Prerequisites: BCS, Biology and teacher approval. Students may take first semester, second semester or both.

**6810/6821 Independent Research Study (Level 7)  
Elective 11, 12 Sem I/II Cr. Arr.**

This course is open to any student wishing to explore a specific area in science on an individual basis. The student will select a problem for in-depth study. A scientific paper must be written at the termination of the research. Exhibits may be required in some cases. It will be recommended that students in this course exhibit their work at a Science Fair and/or at The University of Iowa's Science Symposium. The student must meet with his teacher-adviser on a weekly basis. Prerequisite: 2 years of high school science and teacher approval to enter at the beginning of the school year.

**6930/6941 Science Lab Assistant (Level 5) Elective 9, 10, 11, 12 Cr. Arr.**

This course is open to any student wishing involvement with the tasks essential to keep the Biology, Chemistry, and Physics labs operating efficiently. The tasks most frequently performed are activities involving weighing, mixing solutions, running errands and cleaning. Consent of the Science Department members is required for participation in this opportunity.

# BUSINESS

## **7110/7111 Keyboarding                      Required   One quarter                      2.5 hrs**

This course is a graduation requirement. Students can meet this requirement if they pass a proficiency exam immediately after first enrolling at Xavier High School or have taken a similar course in another high school. Basic typing techniques are emphasized to develop skills needed for personal use. Formatting techniques for block style business letters, block style personal letters, and research papers are also covered in this course.

## **7141 Introduction to Business (Level 5)                      Elective   9, 10 Sem II                      5 hrs**

This course will introduce the students to the world of business. Using the information and activities learned in this course, students will increase their preparation for becoming knowledgeable consumers, well-prepared employees, and gain a deeper understanding of all the responsibilities and costs of living on their own. Some topics covered in this course are time management, job hunting, career planning, money management and financial planning, maintaining a checkbook, conducting online banking services, securing consumer credit, and insurance. This course will serve as an introduction to other business courses that are offered at Xavier High School and as an introduction for future education, moving away from home, and employment.

## **7230/7234 Computer Graphics Design (Level 5, 7)                      Elective 9, 10, 11, 12   Sem I                      5 hrs**

Computer graphics design is the process and art of combining text and graphics and communicating an effective message in the design of logos, graphics, brochures, newsletters, poster, signs, and any other type of visual communication. Today's graphic designers often use desktop publishing software and techniques to achieve their goals. In this course, students will become familiar with desktop publishing software as well as the do's and don'ts of layout design. They will utilize simple and advanced software features to create and enhance projects. At times the students will complete projects that have been requested for public promotion. Prerequisite: Keyboarding or consent of the instructor.

## **7235 Desktop Publishing (Level 7)   Elective 9, 10, 11, 12   Sem II                      5 hrs Kirkwood Community College                      3 hrs**

This course allows students to create professional-quality documents, such as one-page bulletins or short newsletters, using desktop publishing software. The student will also integrate text, graphics and image files previously created with a variety of application software. Prerequisite: Computer Graphics Design and consent of the instructor.

## **7250/7256 Computer Business Applications (Level 5, 7)                      Elective 9, 10, 11, 12   Sem I                      5 hrs**

Using Microsoft Word students will develop skills in formatting documents such as letters, memos, reports and tables. Many of the advanced features of Word will be incorporated. The students will also develop a working knowledge of Microsoft Excel while building spreadsheets using functions, formulas and charts to enhance them. Integrated projects using Word and Excel will be completed. Students will also be introduced to Microsoft Access database software and the basics of building and manipulating information within a database. In addition, students will learn more about Microsoft PowerPoint. Prerequisite: Keyboarding or consent of the instructor.

## **7275 Intermediate Computer Business Applications (Level 7)**

**Elective 9, 10, 11, 12 Sem II 5 hrs**

**Kirkwood Community College 3 hrs**

This course extends the basic knowledge of Microsoft Word, Access, Excel and PowerPoint. Upon completion of this course students should be able to demonstrate proficiency at the core level of the Microsoft Office Specialist certification. Prerequisites: Computer Business Applications and consent of the instructor. \*\*

## **7310/7316 Business Law (Level 5, 7) Elective 11, 12 Sem I 5 hrs**

This course focuses on law as it relates to the individual personally, as well as to the world of business. Some areas covered are: ethics, the jury system, buying and selling, credit, employment, and property. The course meets the needs of both students who are looking for personal knowledge in law and those who plan a career in business.

## **7410-11/7416-17 Accounting (Level 5, 7) Elective 11, 12 10 hrs**

The fundamentals of personal and business record keeping are taught through the study and application of double entry bookkeeping. The study of bookkeeping provides definite and specific opportunities for everyone, regardless of their future occupational goal, to learn the language and the problems of business and how to read intelligently the reports about business and economic conditions. The course also serves the educational need of helping the student discover whether they have an interest in, and an aptitude for accounting as a profession. \*\*

## **7421/7427 Marketing (Level 5, 7) Elective 11,12 Sem II 5 hrs**

This course is a general introduction to marketing with an emphasis on how it affects the entire process of planning and executing the conception, pricing, promotion, and distribution of a product or service while maintaining customer satisfaction and meeting organizational goals. The course is designed for students interested in business or those who plan on majoring in Business in college. To understand and apply the information learned in this class, outside reading will be expected, as well as the use of class discussion, case studies, the internet, guest speakers, and videos.

\*\* Xavier currently offers two Kirkwood Community College (KCC) courses that provide both high school credit from Xavier and college credit from KCC. The courses offered through the Business Department that are available for dual credit are: Intermediate Computer Business Applications and Desktop Publishing. There is an additional cost passed on to the student that is paid to Kirkwood but this amount is substantially lower than normal.

Xavier and Kirkwood Community College have an articulation agreement that allows students to earn college credit for classes taken at Xavier. In order to receive the credit you need to enroll at Kirkwood within one year of high school graduation. The student must successfully complete any necessary class or classes at Xavier and be able to demonstrate competencies in all areas required by the Xavier/Kirkwood Articulation Agreement.

## **FINE ARTS**

Students must take a least 5 hours of fine arts courses to graduate. Courses in vocal music, instrumental music, art, and drama fulfill this requirement.

### **VOCAL MUSIC**

Students may register for more than one 5 hour course in vocal music if their schedule allows it.

## **8120-21 Xavier Chorale Elective 10, 11, 12 5 hrs**

The Xavier Chorale is an auditioned ensemble for students in grades 10-12. Auditions are held the previous spring semester and students are selected based on tone quality, musicianship, sight-reading ability, and attitude. The ensemble rehearses and performs a wide variety of four

to eight part a cappella literature. Performances range from choral concerts to state contest. The Xavier Chorale is the top curricular vocal ensemble at Xavier and rehearses daily. Individual vocal development and ensemble musicianship are required.

**8132-33 Singing Saints**

**Elective Men 9, 10, 11, 12**

**5 hrs**

**8136-37 Bel Canto**

**Elective Women 9**

**5 hrs**

Singing Saints is open to any male student, grades 9-12. Bel Canto is open to any female student in grade 9. These ensembles provide students with an opportunity to rehearse and perform a wide variety of mixed voice literature. Performances range from choral concerts to state contest. Emphasis will be placed on vocal technique, reading skills, and exposure to choral literature. These classes meet daily.

**8140-41 Women's Chorale**

**Elective 10, 11, 12**

**5 hrs**

Women's Chorale is an auditioned ensemble for women in grades 10-12. Auditions are held the previous spring semester and students are selected based on tone quality, musicianship, sight-reading ability, and attitude. This ensemble rehearses and performs a wide variety of women's choral literature. Performances range from choral concerts to state contest. Women's Chorale rehearses daily. Individual vocal development and ensemble musicianship are required.

## **INSTRUMENTAL MUSIC**

**8210-11 Marching Band/Pep Band/Concert Band**

**Elective 9, 10, 11, 12**

**5 hrs**

The Xavier High School Band is a two-semester class which meets daily for students who play woodwind, brass or percussion instruments. All students registered for band are required to participate in all three large conducted ensembles (Concert Band, Marching Band, and Pep Band), and take one (1) fifteen-minute private lesson per scheduled due date with the band director. Those who study with a private instructor are required to turn in documentation for each lesson as well as have one lesson with the band director per quarter to ensure adequate progress.

Concert Band\* is a core group from which all other ensembles within the department originate. This group will learn music fundamentals through performance of a variety of concert band literature. Students will also learn how to evaluate their performance throughout all phases of preparation based on specific criteria. Concert band meets daily from late October until the end of the school year. The concert band performs at least four concerts per year and participates in the IHSMA State Large Group Festival each spring. The State Large Group Festival is the single most important day of our year because it determines the validity of the program.

Marching Band\* meets daily from the beginning of the school year until the end of October. Band members perform pre-game and halftime field shows at home varsity football games and participate in area marching band festivals, including the IHSMA State Marching Band Festival and the Indoor Marching Band Classic. In order for the band to progress musically and technically throughout the course of the marching season, students are required to attend a one-week marching band camp held prior to the start of the year as well as a percussion mini-camp and sectionals for all groups throughout the summer. In addition, once the school year begins we will have morning rehearsals prior to school in large-group and sectional formats.

Solos and Small Ensembles\* provide students the opportunity to advance their individual music skills which in turn, will help the success of the overall group. Students are required to prepare a solo and/or ensemble. There is no limit to the amount of entries a student may have, provided they are not like entries. Students will perform at the in-house solo/ensemble festival and the IHSMA State Solo and Small Ensemble Festival. Other performing opportunities for solos/small ensembles include public performances, master class settings with guest artists and peers, and the All-City Music Festival.

Jazz Ensemble\* and Jazz Combos\* are an extracurricular component of the program open to students enrolled in concert band. Auditions take place in October and regularly scheduled rehearsals are held in the mornings until the end of the school year. These groups perform at concerts throughout the year and compete in jazz festivals/competitions in the spring semester.

Pep Band\* provides students the opportunity to show their school spirit at boys and girls varsity basketball games. Required performances are determined in late November at the beginning of basketball season.

Finally, members of the Xavier band program who show interest and the desire for more performance experiences and opportunities are regularly nominated for and/or audition for the Iowa All-State Band and Orchestra, area honor bands, and other area events/opportunities. Students must remain eligible in order to participate in anything related to instrumental music. Good conduct is expected and poor conduct will not be tolerated.

*All students must take enrollment into band seriously. Marching band drill is written prior to the camp in August and students must be enrolled prior to then. **Student schedule changes concerning band for the fall semester should be initiated through the band instructor in July. Student schedule changes concerning band for the spring semester must be done on the first day of the new semester or before. The 10 day Drop-Add policy DOES NOT apply to instrumental music. This is to ensure that curricular progress is made by the entire group.***

\*Xavier High School is a member of the Iowa High School Music Association. Students enrolled in an IHSMA-member school are required to be in concert band in order to participate in any IHSMA-sponsored or IHSMA-approved instrumental music festival. These include All-State, Marching Band, all State Festivals, Jazz Ensemble, and Solo & Small Ensemble Festival. The only exceptions are guitarists and pianists for Jazz Ensemble and accompanists for solo and small ensembles.

## **ART COURSES**

The visual arts program allows the student to shift into the right side of their brain and delve into the creative arena. The students use different thought processes as they work within a media. They learn that questions can have more than one solution. They learn about many ways to see and interpret this ever growing visual world we are immersed in. Students of the visual arts use intuition, expression through various media and a new language of visual elements. They use the broad base of hands-on experience and art appreciation to synthesize information from the entire program of studies at Xavier high School.

The visual art series of studies includes Basic Art and advanced courses in two and three dimensional media. All courses are one semester in length and build on one another. A student may sign up for several courses in a year as long as they fulfill the prerequisite requirements. The materials fee is for art supplies purchased for the student to use in the specific class and to keep. Basic Art is open to all students and is a prerequisite for taking advanced courses.

### **8310/8321 Basic Art Forms (Level 5) Elective 9, 10, 11, 12 Sem I/II 5 hrs**

This is a one semester introductory studio and art appreciation course. It is a prerequisite course for any student planning to take advanced art courses. The course provides exposure to a variety of art concepts and materials, both contemporary and traditional. This is an introductory course to the elements of art and art terminology. Projects include 2-dimensional and 3-dimensional work. A materials fee is required. Students must have a "C+" or better to move to other art classes. Limited to 20 students per section.

### **8331 Calligraphy (Level 5) Elective 9, 10, 11, 12 Sem II 5 hrs**

A variety of Roman, Uncial, Gothic and Italic styles of lettering are covered. Design projects include layouts, quotes, cards and individual projects. The student will learn to create

backgrounds out of watercolors and stencils they make to letter on. A materials fee is required. No prerequisites. This course is not a substitute for Basic Art, and students would still need to take Basic Art to take advanced art courses. Limited to 20 students.

### **8354/8355 Digital Photography I (Level 7)**

**Elective 9, 10, 11, 12 Sem I/II 5 hrs**

This introductory course teaches students the basics of digital photography. Students will learn how their camera works and to use all the shooting modes on their camera. The students will learn how to compose a photo, use appropriate lighting, and apply the elements of art to capture moments in time. The student will learn how to download and save digital negatives, organize and sort digital photos, create a contact sheet for a CD and burn CD's. Students will also learn to edit digital images through an introduction of Adobe PhotoShop CS5. Adobe Photoshop is our digital darkroom. Students must have their own digital camera and camera manual and bring both to class daily. The digital camera must function and be at least 10 mega pixels with a 1GB memory card minimum. An optical zoom lens or digital SLR would be preferred. A camera bag and an external flash (if a hot shoe is available) are required. Students will need a flash drive of at least 1 GB. Students will print digital images at their own expense for assignments. Students will learn how to cut mats for their photos. A materials fee is required. Prerequisite: Pass Basic Art with a "C+" or better and teacher recommendation. Limit to 15 students per section.

### **8365 Digital Photography II (Level 7) Elective 10, 11, 12 Sem II 5 hrs**

This course builds on the concepts and techniques learned in the Digital Photography I course. The students will learn how to use Adobe PhotoShop CS5 extensively to edit and create special effects in their photos. The student will learn about options for a career in photography by exploring photojournalism, portrait and commercial/industrial photography. The students must have a functioning digital camera that is at least 10 mega pixels with a 1GB memory card minimum. An optical zoom lens or digital SLR would be preferred. A camera bag and an external flash (if a hot shoe is available) are required. Students will need a flash drive of 1 GB. Students will print digital images at their own expense for assignments. Presentation of photographs and crafting is emphasized. This course will be more in depth regarding the use of the creative modes on the camera and lighting. A materials fee is required. Prerequisite: Digital Photography I with a "B" or better and teacher recommendation. Limit to 15 students.

### **8410/8411 Painting I (Level 5) Elective 10, 11, 12 Sem I/II 5 hrs**

This is a one-semester course exploring traditional and contemporary approaches to painting. Basic elements and history of painting will be covered. Students will emphasize painting techniques. Students will work with watercolor and acrylic paint and be required to purchase their own paintbrushes. A materials fee is required. Prerequisite: Drawing I with a "C+" or better. Limited to 15 students.

### **8421 Painting II (Level 7) Elective 10, 11, 12 Sem II 5 hrs**

This is a one-semester course that continues to explore traditional and contemporary approaches to painting. In addition to building on previous work, this course will focus on the development of personal concepts, form, light, and composition. Students will be required to purchase additional paintbrushes and other materials. A materials fee is required. Prerequisite: Painting I with a "B" or better and teacher recommendation. Limited to 15 students.

### **8510 2-D Design (Level 7) Elective 10, 11, 12 Sem I 5 hrs**

This course concentrates extensively on the elements and principles of design in the 2D arena. In the course the student will simplify designs using a variety of media. This course will bring together the concepts and techniques used in all of the two dimensional art offerings at Xavier High School and will include printmaking. The students will later work with Adobe Photoshop CS3 to learn basic graphic design on the computer. The course will focus on the process of creating art and modifying it through input in individual and group critiques. A materials fee is required. Prerequisite: Basic Art and Drawing I with a "C+" or better. Limited to 15 students.

**8521 3-D Design (Level 7) Elective 10, 11, 12 Sem II 5 hrs**

This course provides the student with projects to help further develop skills in creating 3-dimensional designs. The course includes applying the elements of art to the principles of design, additive and subtractive sculptural techniques, oral and written critiques and research of sculptural artists. A materials fee is required. Prerequisite: Basic Art with a "C+ or better. Limited to 15 students.

**610/8621 Drawing I (Level 5) Elective 9, 10, 11, 12 Sem I/II 5 hrs**

This is a one semester course that explores a variety of drawing media such as pencil, pen, charcoal, ink and other material. Projects include contour drawing, negative space drawing, and techniques to draw realistically. The course will focus on drawing the measurements of the human face from the profile and the front view. The students will also learn how to cut a mat. A materials fee is required. Prerequisite: Basic Art . Limited to 20 students per section.

**8641 Drawing II (Level 7) Elective 10, 11, 12 Sem II 5 hrs**

This is a one semester course that continues to build on drawing techniques and media learned in Drawing I. The course will concentrate on figure drawing, form, lighting in a drawing, mixed media work and still life arrangements. This course will focus on the development of a personal and unique style for each student. A materials fee is required. Prerequisite: Drawing I with a "C+" or better. Limited to 15 students.

**8710/8721 Ceramics I - Intro To Wheel (Level 5) Elective 9, 10, 11, 12 Sem I/II 5 hrs**

This is a one semester course experimenting with the basic hand building and wheel throwing techniques. Students will learn the fundamentals of throwing a pot on the wheel along with basic coil, slab, pinch-pot, and sculptural techniques. Research and lecture may include clay bodies and glazing. A materials fee is required. Prerequisite: Basic Art. Limited to 12 students per section.

**8730/8741 Ceramics II - Advanced Wheel (Level 5) Elective 10, 11, 12 Sem I/II 5 hrs**

This is a continuation of Ceramics I and more emphasis on wheel throwing and individual style. Students will take these basic skills and advance them to include more complex pieces, in-depth research, and a larger body of work at the end of the semester. A materials fee is required. Prerequisite: Ceramics I with a "C+" or better and teacher recommendation. Limited to 12 students per section.

**8750/8761 Ceramics III - Advanced Wheel (Level 7) Elective 11, 12 Sem I/II 5 hrs**

The emphasis in this course is individual style. The student will plan projects. Skill will be applied to create a well-crafted body of work which includes all techniques previously learned. Students need to be self directed. A materials fee is required. Prerequisite: Ceramics II - Advanced Wheel with "B" or better and teacher recommendation. Limit to 12 students.

**8810/8821 Independent Study (Level 7) Elective 11, 12 Sem I/II Cr. Arr.**

This is a semester course for individuals who wish to pursue a career in an art related field. The course is open to students who have had Basic Art and five full semesters of advanced art. The students must have permission from the instructor to take the course. The students will work on an art portfolio for applications to study art at the undergraduate level. Students must prepare a written contract stating their goals and general course of study and discuss it with the teacher. Students will meet individually with the instructor at least once a week. The students must provide all of their own materials. They will be required each week to complete a sketch book and a typed summary of the process of creating their art. Students will only work on projects in

class. Specific sketch books may be assigned by the instructor. Pre-requisite: Basic Art with a "B+" average in five advanced art classes and consent of the instructor.

**8830/8841 Laboratory Assistant Elective 10, 11, 12 Sem I/II Cr. Arr.**  
Students who have had extensive experience in the Ceramics lab will have this opportunity to earn credit for helping with instructional and lab maintenance duties. The credit will be arranged according to the hours of assistance put in. Normally one credit per semester will be given. Teacher recommendation only.

## **DRAMA**

**8910 Acting I (Level 5) Elective 9, 10, 11, 12 Sem I 5 hrs**  
This one-semester overview of acting is designed for both the student new to theatre and the student with a general background in the theatre. This class will cover all aspects of theatre: the play, the actor, and the audience. Students will read written plays and improvise scenes without a script. Group and individual work will be used to develop skills in physical acting, voice preparation, scene study, stage movement, blocking, improvisation, and characterization. Throughout the semester, students will watch a play and will present prepared performances, both individual and with an assigned partner. Meets fine arts requirement.

**8923 Acting II (Level 7) Elective 9, 10, 11, 12 Sem II 5 hrs**  
This one semester, level 7 acting course expands upon the actor's work in the "beginning" course, offering a more in-depth, progressive study of acting with more individual and group performance assignments. Students will increase their knowledge of internal and external acting principles and will do advanced work on voice and diction, characterization, and improvisation. This course will introduce students to the aspects of audition techniques, a closer look at speaking and performing Shakespeare, and the differences between dramatic and comedic acting. Students will critique each other's work in a creative and supportive atmosphere. Furthermore, a study of theatrical abstracts from around the world and thorough analysis of plays in their entirety will provide students with a complete survey of acting and theatre at its finest. Prerequisite: Acting I.

**8972/8973 Technical Theatre (Level 5) Elective 9,10,11,12 Sem I/II 5 hrs**  
This one semester course equips students with the necessary skills to successfully run theatre productions. Students will work on current shows and events in production during the semester in which they are enrolled. Students may continue working on these events upon course completion. Units of study may include: Theatre History, Theatre Safety, Set Design, Lights and Sound, as well as, Make-up and Hair Design.

**8980/8991 Theatre Practice-Ind. Study Elective 11, 12 Sem I/II Cr. Arr.**  
The student chooses an area from the theatre in which to develop an in-depth study. Areas included are theatre history, acting, directing, theatre design, lighting, sound, costumes, makeup or stage management. Plans for this study must be pre-approved.

# FITNESS AND WELLNESS

Fitness and Wellness is required of all students. The activity portion of the course highlights activities that have lifetime, social and leisure benefits. The wellness portion presents information that allows students to develop a plan for their total well-being. Wellness is presented in sixteen class meetings per year for 9th through 12th grade. The activity units are structured so each grade level follows its own set of activity units.

**For those students with a full eight-period schedule**, a maximum of two semesters out of the eight total semesters of Fitness and Wellness may be waived, through the use of an academic waiver. If students have used up their academic waivers, they have two options to complete their Fitness/Wellness requirements:

1. Take a two-week summer course that counts for one semester's credit. Check with department teachers for the time and dates. There is additional tuition charged for this course. Students may enroll in two two-week sessions to satisfy a full year of Fitness/Wellness credit.
2. Early-Bird class is offered during the school year. Early-Bird begins at 6:50 a.m. and ends at 7:33 a.m. This class meets two days per week and has wellness classes (one per week) in the second and fourth quarters.

**Please note that if students do not have a full schedule (classes all eight periods), they will be scheduled into a Fitness and Wellness class. This applies to students who may have already completed the summer Fitness and Wellness class.**

<b>9110-11 Fitness and Wellness 9</b>	<b>Required 9</b>	<b>5 hrs</b>
<b>9120-21 Fitness and Wellness 10</b>	<b>Required 10</b>	<b>5 hrs</b>
<b>9130-31 Fitness and Wellness 11</b>	<b>Required 11</b>	<b>5 hrs</b>
<b>9140-41 Fitness and Wellness 12</b>	<b>Required 12</b>	<b>5 hrs</b>

## ADDITIONAL ELECTIVES

**9210/9221 Student Athletic Training Internship Elective Sem I/II 5 hrs**

This internship program is for students interested in the further study of Athletic Training, Physical Therapy, or similar medical professions. Students will observe and perform various tasks throughout the semester as laid out in a competencies checklist in order to obtain the full 5 credit hours for the internship. This time will be accumulated during after-school and home/away athletic events. Plans for this internship must be approved by the certified athletic trainer prior to the semester.



## **Saint Louis University (SLU) 1818 Advanced College Credit Program**

The 1818 Advanced College Credit Program provides an opportunity for qualified high school juniors and seniors to begin experiencing the academic rigors of college course work while still at Xavier. This program offers courses at Xavier taught by high school instructors. In addition to receiving credit toward high school graduation for selected academic courses, students may opt to dual enroll in courses approved for college credit through Saint Louis University.

Students who meet registration requirements, course prerequisites, timely tuition payments, and successfully complete the course, receive graded course credit toward a degree from Saint Louis University.

*Current SLU 1818 courses are 2<sup>nd</sup> semester AP Spanish, French III, French IV, and AP Biology. Other courses will become available as they get approved by Saint Louis University.*