



Course Selection Guide

2018-2019

Wahlert Graduation Requirements

REQUIREMENTS

CORE COURSES

English 4 years	<div> <div> 9th English Sophomore English Junior English Fiction/Non-Fiction Senior English </div> <div> Honors 9th English Honors Soph. English AP Junior English Lang. AP Senior English Lit. College Writing 1 & 2 </div> <div> *Oral Communication One Semester </div> </div> <p>*Oral Communication (5) Real World Comm (10)</p>
Science 3 years	<div> Integrated Science AP Chemistry Anatomy & Physiology Human Body Systems </div> <div> Chemistry Environmental Science Prin. of the Biomed. Sci. </div> <div> AP Biology AP Physics Physics Biology </div>

Number of Credits Needed to Graduate

310 credits are required upon graduation. Within those credits students must meet all core requirements.

Note: Each semester of a class is worth 5 credits.

School Year / Marking System

Wahlert Catholic High School (WCHS) operates on a semester system. The school year consists of two semesters, each approximately 18 weeks in length. Some courses are offered for only one semester, worth 5 credits; while other courses are two semesters (or year-long) worth 10 credits.

WCHS Utilizes the Following Grading Scale for All Courses

A+ 97 - 100%	B+ 87 - 89.99%	C+ 77 - 79.99%	D+ 67 - 69.99%
A 93 - 96.99%	B 83 - 86.99%	C 73 - 76.99%	D 63 - 66.99%
A- 90 - 92.99	B- 80 - 82.99%	C- 70 - 72.99%	D- 60 - 62.99%
NC 59.99% & below			

Weighted Grades

In an effort to encourage students to challenge themselves, course grades are weighted at the Honors and Advanced Placement/Dual Credit College level. (A traditional 4.0 “unweighted” grade point average can also be calculated if desired by contacting the Guidance Office.)

The semester grade is the permanent grade recorded for each course. Grade point values assigned to each letter grade are weighted as follows depending on the nature of the course:

Grade	Option 1,2/College Prep	Honors (x1.05)	Advanced Placement/Dual Credit (x1.10)
A+	4.33	4.55	4.76
A	4.00	4.20	4.40
A-	3.67	3.85	4.04
B+	3.33	3.50	3.66
B	3.00	3.15	3.30
B-	2.67	2.80	2.94
C+	2.33	2.45	2.56
C	2.00	2.10	2.20
C-	1.67	1.75	1.84
D+	1.33	1.40	1.46
D	1.00	1.05	1.10
D-	.67	.70	.74
NC	.00	.00	.00

Service Hour Requirement

The commitment to service is a core value of the school's mission. It is a requirement for graduation that WCHS students complete a **minimum of 80 hours of service depending on the year of graduation**. Ten service hours are required each semester. Theology teachers will set a due date for service hours a few weeks before the end of the semester. Students who do not complete 10 hours of service will have 5% of their Theology grade subtracted from their final semester grade.

AP/College Level Information

Wahlert Catholic welcomes the challenge of gifted academic students by providing them with honors and AP/College Level courses. These courses are meant to promote critical thinking skills and academic achievement. The following criteria should be met in order for students to qualify for an honors or AP course.

1. Teacher recommendation.
2. Score in the 85th percentile or above in the particular academic subject area on the Iowa Assessments tests or MAPS OR receive recommendation from their previous teacher.
3. Maintain a “B” or better grade for each semester in order to take honors courses in a particular subject area the following year.
4. Demonstrate high motivation and good study habits.

*Copies of standardized test scores are available in the Guidance Office.

EDGE: Engage. Discern. Grow. Excel.

Holy Family is excited to announce the pilot launch of EDGE, a new personalized learning program. EDGE utilizes an online learning management platform, provided through Summit Learning, which supports a personalized, project-based model of engaging students, encouraging collaboration and creativity, and promoting authentic work and meaningful student assessments. The platform helps students set and track goals, learn content at their own pace and complete learning projects that foster a deeper understanding of lesson objectives. EDGE will begin in 9th grade during the 2018-2019 school year.




For more information on EDGE go to:

www.holyfamilydbq.org/EDGE

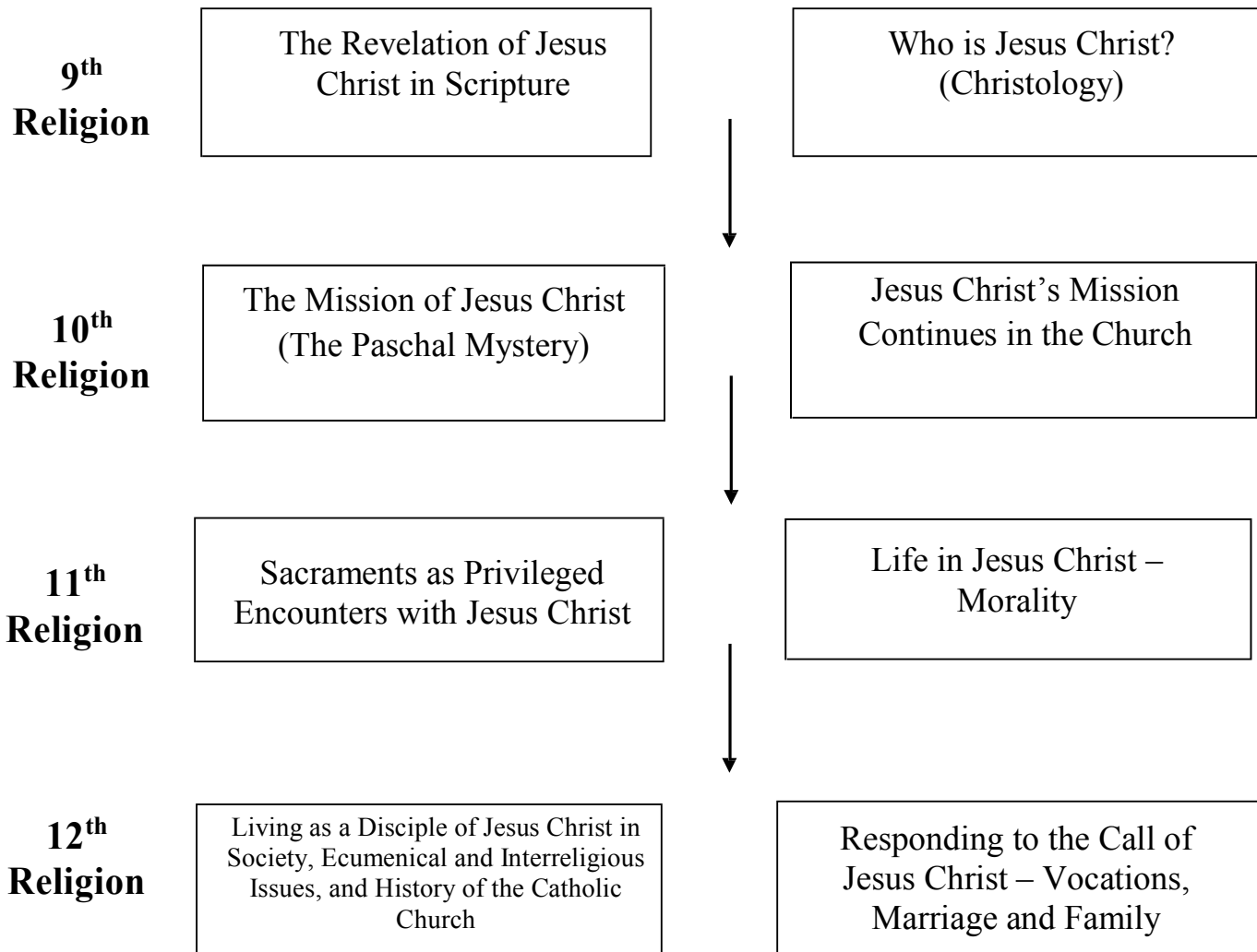
Four Year Plan Definitions and Advice

- **Advanced:** Courses are “college-level” and are designed to challenge students who typically score in the 90th percentile or higher on standardized tests or have a weighted GPA above a 4.0. Requires teacher recommendation.
- **Honors:** Courses are designed for students with above average skills and motivation levels. Students who score in the 75th percentile or higher on standardized tests or have a weighted GPA above 3.75. Requires teacher recommendation.
 - Students who did not take honors courses as freshmen but wish to take them after freshman year must have an “A” in the subject matter for each semester of the previous year and also receive a recommendation from their previous teacher along with parental approval.
- **College Prep:** These courses are main level and college preparatory. Courses are designed for those who score in the 50th percentile or higher on standardized tests.
- **Option #1:** Some subject areas offer courses for students who typically score in the 49th percentile or below on standardized tests, respectively.

College Credit Opportunities

	AP	Dual Credit	PSEO
<i>Definitions</i>	 Advanced Placement courses. Students engage in intense discussions, solve problems collaboratively, and learn to write clearly and persuasively.	 NICC college courses taught at Wahlert during the regular school day by our qualified Wahlert teachers. Course availability may vary based on teacher	 Post-Secondary Educational Opportunity courses are college courses taken at the local colleges on their campuses, with their professors, and with
<i>Offerings</i>	AP Biology, AP Chemistry, AP Physics, AP Calculus AB, AP U.S. History, AP Government, AP Psychology, AP World History, AP Jr. English (Language), AP Sr. English (Literature), AP Spanish Language, AP Spanish Literature	College Writing I, College Writing II	Must be pre-approved course(s) by State as the State pays \$250 per student to the applicable college(s) per course. Paperwork for these is found in the guidance office. The basic rule is that the student must have taken the highest high school offering (in Dubuque) for that course type before taking a related college course.
<i>College Credits</i>	Students who score “3” or higher on the spring AP exam may earn three college credits per passed exam. (Pending college approval) There is no college credit given for test scores below “3”. Most colleges accept these credits.	College Writing I, College Writing II are both worth 3 credits each. Most area colleges accept these credits. Beyond the borders of Iowa, transferring these credits is less of a sure thing. Please check with prospective colleges/universities for transferability.	College credits given based upon specific college regulations (typically 3 credits per course). Most area colleges accept these credits. Beyond the immediate area, transferring these credits is less of a sure thing. Please check with prospective colleges/universities for transferability.
<i>Fees</i>	No cost for the classes, but the test fees are approx. \$92 per exam.	Each contracted class costs approx. \$150. Students must adhere to the NICC drop/add dates should the need arise.	Approved PSEO courses are free to students living in Iowa (the State pays \$250 per student to the respective college) and have a qualifying score on the Iowa Assessments.

Theology (4 years required)



***Students are required to take Religion each semester.**

***Service is required: 10 hours per semester for 9th through 12th grade students.**

Ninth Grade Religion

610 – 10 Credits

9
Yr. Course

The purpose of this course is to give students a general knowledge and appreciation of the sacred scriptures. Through the study of the Bible they will come to encounter the living Word of God, Jesus Christ. The students will also be introduced to the mystery of Jesus Christ, the living Word of God, and the Second Person of the Blessed Trinity. In learning about who Jesus Christ is, the students will also learn who He calls them to be.

Sophomore Religion

620 – 10 Credits

10
Yr. Course

The purpose of this course is to help students understand all that God has done for us through his Son, Jesus Christ. Through this course of study, 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. They will be introduced to the fact that the Church was founded by Christ through the Apostles and is sustained by him through the Holy Spirit. The students will come to know that the Church is the living Body of Christ today. This Body has both divine and human elements. In this course, students will learn not so much about events in the life of the Church but about the sacred nature of the Church.

Junior Religion

650 – 10 Credits

11
Yr. Course

The purpose of the first semester of this course is to help students understand that they can encounter Christ today in a full and real way in and through the sacraments, and especially through the Eucharist. Students will examine each of the sacraments in detail so as to learn how they may encounter Christ throughout life. Then, second semester the purpose is to help students understand that it is only through Christ that they can fully live out God's plans for their lives. Students are to learn the moral concepts and precepts that govern the lives of Christ's disciples.

Senior Religion

660 – 10 Credits

12
Yr. Course

The purpose of the first semester of this course is to introduce students to the Church's social teaching. In this course, students are to learn how Christ's concern for others, especially the poor and needy, is present today in the Church's social teaching and mission. Other goals are: to help the students understand the manner in which the Catholic Church relates to non-Catholic Christians as well as to other religions of the world and to supply the students with a general knowledge of the Church's history from apostolic times to the present. They will be re-introduced to the fact that the Church was founded by Christ through the Apostles and is sustained by Him throughout history through the Holy Spirit. Second semester the course will focus on helping students understand the vocations of life: how Christ calls us to live. In this course, students will learn how all vocations are similar and how they differ. The course will be structured around married life, single life, priestly life, and consecrated life. Students will learn what it means to live life for the benefit of others and the value in considering a vocation in service to the Christian community.

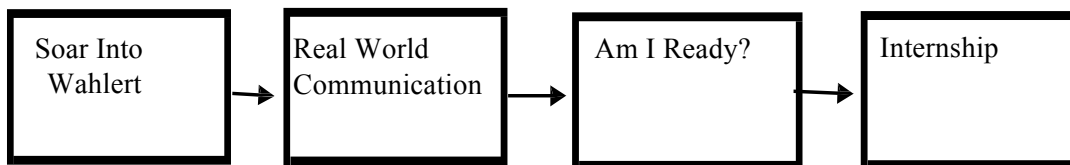
Why Am I Catholic? (Elective)
661 – 10 Credits

12
Yr. Course

This course is seminar-style dealing with issues that make us “catholic”, that provide us with our Catholic identity. Issues to be covered may vary, but will include the continuity of Catholic teaching (Church Fathers, the Pope and the papacy, development of the Bible), a historical examination of Jesus in conjunction with the Trinity, the development of the Church and its relationship to worship, salvation and the afterlife (heaven, hell, and purgatory), and the sacraments (specifically Baptism, Eucharist and Marriage). Although many of these issues have been discussed in previous theology courses, each issue will be examined in depth.

College & Career Readiness

College & Career Readiness Pathway



Soar into Wahlert (PE) **214 – 5 Credits**

9 (S1)
Sem Course

This is a required course for freshman students who are *not enrolled in choir or band* in which the student will assess personal fitness status in terms of cardiovascular endurance, muscular strength and endurance, and flexibility. Students will be introduced to various team and recreational activities on the introductory level. Conditioning and fitness through various activities will be required. This class is an introductory into Physical Education.

This course will also serve as a transitional course into Wahlert High School. Once a week students will be part of a classroom session where they will learn about numerous high school transitional topics.

This course will include topics in the following areas:

CPR—Training in CPR is required by the state of Iowa for high school graduates

How to Succeed in High School

Academic Four-Year Plan

College and Career Counseling

Computer Technology (Powerschool, Edmodo, Google Docs, etc) Campus

Ministry (Service and faith opportunities)

Student Activities and Athletics

Wahlert Code of Conduct and Procedures

Study and Organizational Skills

Real World Communication (with Oral Comm)
326 - 10 Credits

10
Yr. Course

Real World Communication helps students develop an understanding and appreciation for effective communication in real world situations and environments. Emphasis is placed on all phases of communication: speaking, listening, thinking, responding, reading, writing, communicating non-verbally, and utilizing technology for communication. Post-secondary schools and future employers are looking for those who persist and have a sense of responsibility, self-worth, sociability, self-management, integrity, and honesty. Real world communication functions, processes, and applications in the context of real world situations such as teamwork, influencing others, leadership, negotiation, and working with diversity will be practiced through problem based projects and real- world application. Five English credits will be given to Real World Communication and therefore the course meets the Oral Communication graduation requirement.

Am I Ready?
950 - 5 Credits

11, 12
Sem Course

This course empowers students in finding and solving a problem which relates to student life in school, community, and beyond. They will learn to collaborate, communicate, research, and solve problems identified by students. Students could choose a focus on college and career readiness. Students will present their project work at an exhibition or panel held at least one time at the end of the course for credit.

Internship Off Campus
157-5 Credits

12
Sem. Course

Internships provide real world experience to those looking to explore or gain the relevant knowledge and skills required to enter into a particular career field. The Internship is a semester long opportunity with the primary focus of getting some on the job training and taking what's learned in the classroom and applying it to the real world.

Students interested in this experience must provide evidence that the skill level growth accompanying the Internship is on-going, which challenges their current skill level via problem-solving, communication, imagination and team-work. The Internship is not a simple job, which requires low level skill expectations.

Physical Education

Intro to PE **5 Credits**

9
Sem. Course

Intro to Physical Education is a course only for freshmen during the second semester that is a follow-up to "Soar into Wahlert". Students will participate in a variety of team and recreational sports and activities.

Fitness and Conditioning **216 – 5, 10 Credits**

10, 11, 12
Sem. or Yr. Course

This class will focus on activities to enhance physical fitness: strength, speed, and endurance. Students will gain an appreciation of exercise for life-long fitness. Strength training, utilizing a weights program combined with supplemental lifts and exercises, is the basis of the class. Running, plyo-metrics, agility, flexibility work, and speed development activities are utilized in the class. Knowledge of muscle groups and specific exercises to enhance muscular development are included.

Team and Recreational Sports **214 – 10 Credits**

10, 11, 12
Sem. or Yr. Course

The student in this class will demonstrate the fundamentals and basic skills in many of the following recreational activities: basketball, flag football, floor hockey, soccer, softball, team handball, volleyball, and other team activities. The learner will participate cooperatively and ethically when in competitive physical activities. Conditioning and fitness through various activities will be required

Strength and Conditioning **219 – 5, 10 Credits**

9 (S2), 10, 11, 12
Sem. or Yr. Course

This class will focus on activities to enhance physical fitness: strength, speed, and endurance. Students will gain an appreciation of exercise for life-long fitness. Strength training, utilizing a weight program combined with supplemental lifts and exercises, is the basis of the class. Running, plyo-metrics, agility, flexibility work, and speed development activities are utilized in the class. Knowledge of muscle groups and specific exercises to enhance muscular development are included.

Health Elective **245 – 5 Credits**

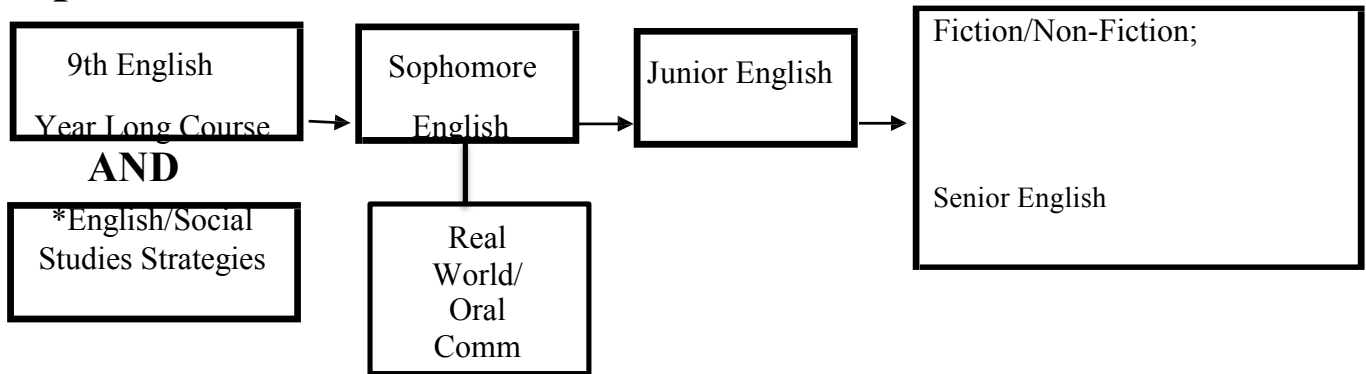
9, 10, 11, 12
Sem. Course

Health is concerned with providing students with the goal setting and decision making skills to enhance healthful behavior and reduce health risks. Students will study concepts related to health promotion and disease prevention. They will learn how to access valid health information and health promoting products and services. In addition, each person will develop communication skills to enhance their personal level of health and to act as an advocate for family and community health. This elective is open to all students.

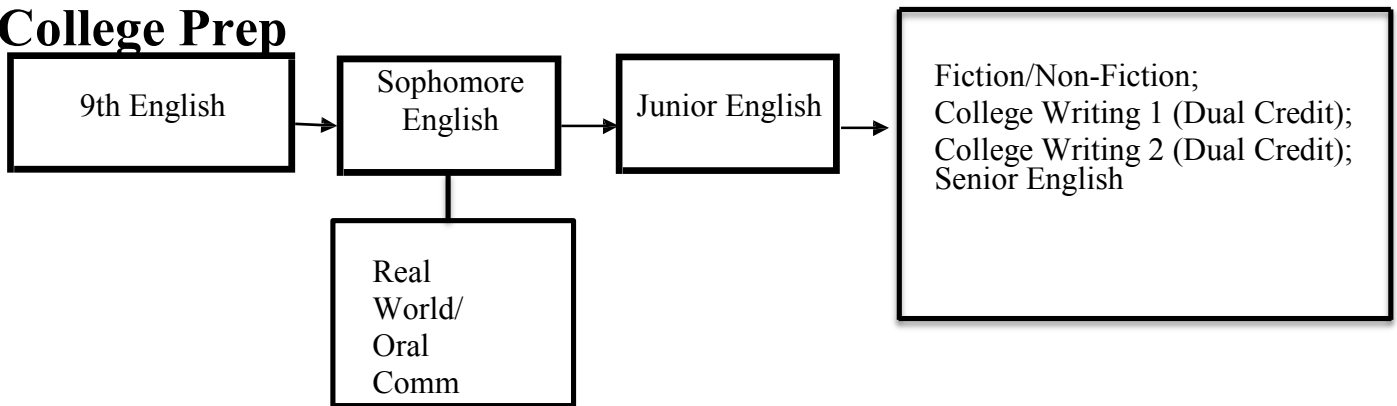
English (4 years required)

***All students must complete Oral Communication before graduation.**

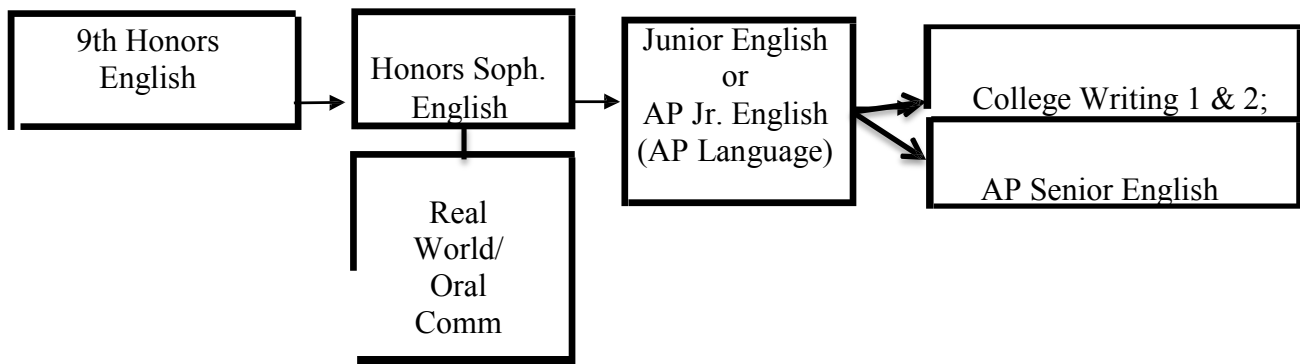
Option # 1



College Prep



Honors



Ninth Grade English **310 – 10 Credits**

9
Yr. Course

Ninth Grade English 2 develops and refines students' reading, writing, speaking, listening and media skills. Students will read and respond to major works of literature (novels and plays), short works (stories and essays), poems and films. Students will review basic elements of fiction and poetry and improve their information and research skills. Writing skills will be strengthened through continued use of the writing process, attention to grammatically and mechanically correct writing, and practice in critical, creative, and expository writing. Through discussion and writing, students will employ their abilities to analyze, evaluate, and appreciate literature and film.

Honors Ninth Grade English **311 – 10 Credits**

9
Yr. Course

Ninth Grade Honors English is designed for academically talented students capable of doing advanced work in composition and literature. A thematic and integrated course, Honors English fosters creative, critical, and analytical thinking abilities. Students will use the process approach to writing as they discover, identify, investigate, and analyze ideas and issues and resolve problems through writing. They will develop these skills and incorporate conventions of standard English as they write creatively, critically, and analytically using personal experiences and concepts synthesized from their reading. Students will refine the listening, reading, speaking, writing, analytical, and personal skills important for 21st century competency through the exploration of challenging literary works, active class participation, writing-to-learn and cooperative learning activities.

Sophomore English **310 -- 10 credits**

10
Yr. Course

In Sophomore English, students will study the authors and characters of American literature in a thematic and cultural context. Students will notes changes in American thought, beliefs, and attitudes from the earliest settlers to 21st century citizens as they develop critical reading, discussion, and analytical writing skills based on personal reflections, favorite selections and their American identity.

Using the process approach to writing, integrated into the American Literature study, students write will about literature and other topics using descriptive, narrative, informative, persuasive, and research essay forms and procedures. Special emphasis will be placed on the skills tested by the English section of the ACT exam.

Prerequisite: A passing grade in both semesters of 9th grade English

Honors Sophomore English **321 -- 10 credits**

10
Yr. Course

In Honors Sophomore English, students will study the authors and characters of American literature in a thematic and cultural context. Students will notes changes in American thought, beliefs, and attitudes from the earliest settlers to 21st century citizens as they develop critical reading, discussion, and analytical writing skills based on personal reflections, favorite selections and their American identity.

Using the process approach to writing, integrated into the American Literature study, students write will about literature and other topics using descriptive, narrative, informative, persuasive, and research essay forms and procedures. Special emphasis will be placed on the skills tested by the English section of the ACT exam. Students will be expected to complete more in-depth writing and reading assignments through this honors class.

Prerequisite: A passing grade in both semesters of 9th grade English

Oral Communication
325 - 5 Credits

10, 11, 12
Sem. Course

In Oral Communication students become more effective listeners and speakers in formal and informal situations. Analysis of interpersonal communication skills includes the study of conflict resolution and harassment. Students will identify and improve non-verbal techniques, including body language and use of the voice. Additionally, students will evaluate and organize information for more effective presentation of ideas. During the semester, students will participate in a variety of informal speaking and listening activities; students will also give four or five rehearsed, formal presentations to the class. This course, a specific graduation requirement often taken in the sophomore year, provides the foundation for developing life-long oral communication skills, which are a necessity for personal and professional success. This course counts toward the 40 credit hours of English required for graduation.

Junior English
320 -- 10 Credits

11
Year Course

In Junior English, students will read, write and study authors and characters in world literature in thematic, historical, cultural, and literary contexts. Students will explore human thought, beliefs, fears, and concerns from a global perspective as they develop critical reading, writing, discussion, and thinking skills based on personal reflections, favorite selections, and their own global identity. Students will develop and refine their writing skills for success in future academic and professional pursuits using the process approach to writing. Integrated into the world literature study will be writing about literature and other topics using informative, persuasive, and research essay forms and procedures. In addition to the development of various skills students will review for the English section of the ACT exam.

Prerequisite: A passing grade in both semesters of 10th grade English

AP Junior English:
(British Lit. and AP Language & Composition)
331 – 10 Credits

11
Yr. Course

AP Composition students will polish their writing styles and improve critical thinking. Students will develop fluency and confidence in writing and clarity in thinking by using process writing for Advanced Placement (college-level) personal, descriptive, expository, persuasive, and critical essays. In addition, students will review and apply correct usage, sentence variety, and correct mechanics to refine their writing styles. Students are encouraged to take the Advanced Placement English Language Exam for college credit. Students enrolled in this AP course will study authors and characters in British literature in their historical, cultural, and literary contexts. Students will also trace the development of the English language from Old English through Middle English to Modern English. This course further emphasizes the development of critical reading skills and analytical writing skills based on literature. Students will refine their reading and writing skills for 21st century competence. In addition, students will cultivate habits of reading, writing, speaking, listening and thinking that characterize life-long learning and enjoyment.

Prerequisite: A passing grade in both semesters of 10th grade English

AP Senior English:
(AP Literature & Composition)
341 – 10 Credits

12
Yr. Course

Senior AP English serves those students who are committed to completing a course more rigorous and demanding than other high school English courses. The course emphasizes the continued development of skills in critical thinking and writing, analysis, evaluation and synthesis about literature and related ideas. Students are expected to demonstrate their achievement in college-level work by taking the AP English Examination in Literature and Composition administered by Education Testing Service for the College Board in May of each school year.

The long-term goals of this course include enabling students to learn at a rate commensurate with their abilities, to investigate literary material that intellectually mature students find engaging, to refine reading and writing skills important for success in the 21st century, and to cultivate habits of reading, writing, speaking, listening and critical thinking that characterize life-long learning and enjoyment.

Prerequisite: A passing grade in both semesters of 11th grade AP Junior English

Literature: Fiction and Non-Fiction
342 – 5 Credits

12
Sem. Course

Students will actively engage in reading fiction and non-fiction. They will identify personal reading interests, habits, and strengths, and develop all three. Students will read a variety of literature including fiction, non-fiction, poetry, newspaper and magazine articles, among others. A number reading lists, "book talks" by students and guest speakers, library/bookstore visits and other reading, writing, speaking, listening and creative activities will heighten students' awareness of self, others, and the world, and enable students to think more critically and become a more selective reader.

Senior English
-10 Credit

12
Yr. Long

In **Senior English**, students will read and study fiction and nonfiction literature in thematic, historical, cultural, and literary contexts. Students will explore human issues through critical reading, writing, discussion, and thinking. Students will develop and refine their writing skills for success in future academic and professional pursuits using the process approach to writing, which includes peer editing. In addition, students will review for the English section of the ACT exam.

Prerequisite: A passing grade in both semesters of 11th grade English

College Writing 1 & 2 (Dual Credit)
375/376 – 5, 10 Credits

12
Sem. or Yr. Course

Using a workshop approach to writing, students will learn strategies for improving their writing styles. Students will develop a portfolio of writing having varying purposes and audiences. Specific essays include narrative, descriptive, expository and persuasive. The conventions of standard written English will be reviewed and tested, and students will polish their own writing by applying these conventions. Class content is based upon Northeast Iowa Community College's Composition 1&2 course descriptions. This course will help motivated students polish their personal writing skills before college.

PRE-REQUISITE: Entrance Test of NICC Required/or ACT of 21 in English
Course and book fee set by NICC

The following are also English electives but do not count toward the required four years of English.

Mass Communication – Yearbook
362 – 10 Credits

9, 10, 11, 12
Yr. Course

Students in this course provide a community service to the school as they learn to think critically, conduct interviews, write clearly for an audience, and work as a team to plan, organize, and create the school's yearbook. They also practice persuasive speaking techniques when soliciting ads for the financial support of the publication as well as problem-solving and technological skills while striving to communicate their and others' ideas effectively. This course teaches many of the basic elements of magazine journalism.

Mass Communication – Newspaper
363 – 10 Credits

9,10, 11, 12
Yr. Course

Students in this course learn to think critically, research topics, conduct interviews, write clearly for an audience and work as a team as they plan, organize, and create the school's newspaper for the school community. They also practice problem-solving and technological skills as well as learn about, appreciate, and practice their rights and responsibilities in a democracy while striving to communicate their and others' ideas effectively. This course teaches many of the basic elements of newspaper journalism.

Communicating Through Video (WCTV)
364 - 10 Credits

11, 12
Yr. Course

This course is designed to give students practice in video production. Using the basics of video production, students will create a daily five-minute broadcast of announcements and features for Wahlert Catholic High School. Additionally, the class may create programming for the local cable access station or for Holy Family Catholic Schools

*PRE-REQUISITE: Oral
Communication*

Theatre Arts 1
366 – 5 Credits

9, 10, 11, 12
Sem. Course

Theatre Arts Fundamentals is an elementary course designed to introduce students to the various elements of the theatre and to encourage students in further participation. Students will examine and study the role that acting, directing, sound, lights, set, costumes, make-up, and publicity play in the creation of a line production. Students will learn the basic approach to working comfortably on the stage, through warm-ups, monologues, scene work and improvisation. Basic techniques of movement, voice projection, character development, and performance will be taught.

Theatre Arts 2
382 - 5 credits

9, 10, 11, 12
Sem. Course

Theatre Arts 2 continues and expands upon the areas introduced in Theatre Arts 1, and by exploring the process of developing an individual acting technique, students perform a variety of acting exercises, improvisations, monologues and scenes. The culminating assessment for the class is an authentic performance for an audience!

Prerequisite: Theatre Arts 1

Theatre Arts Advanced
368– 5 credits

11, 12
Sem. Course

This course is meant for students who wish to explore the cultural impact of theatre by examining dramatic literature, theatre history, and advanced performance techniques. Students will explore the social function of drama, its historical and contemporary impact on society, as well as its place within the artistic community.

This

background will provide serious theatre students with a fundamental understanding of historical texts to enhance their ability to perform classical works. Students enrolled in this course will also have the opportunity to work with their fellow classmates towards a culminating theatrical presentation at the end of the semester.

Prerequisite: Theatre Arts 2

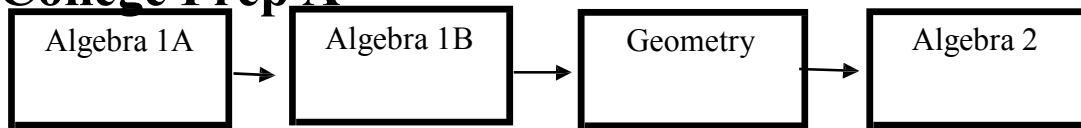
Stagecraft
369 – 5 credits

9, 10, 11, 12
Sem. Course

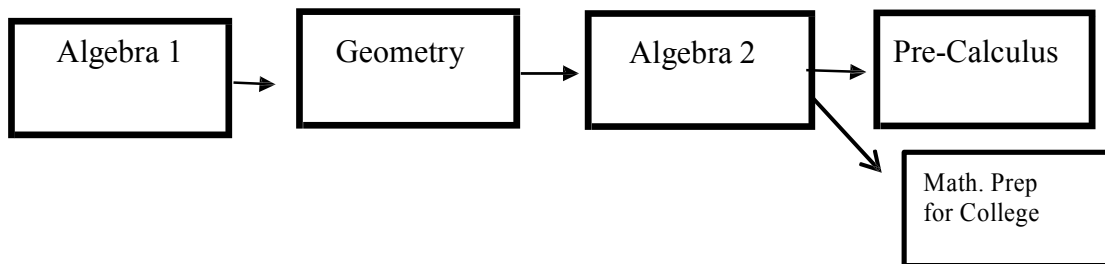
Stagecraft focuses on the technical aspects of drama and the performing arts, with an emphasis on scenic design and construction. Students enrolled in this course will have basic training in working with general construction tools, as well as specific tools of the performing arts trade. Students will have hands on experience constructing set pieces, scenic painting, as well as other highly technical skills, including lighting design and light board operation. This is course meant for students who wish to work with their hands and learn highly adaptable, technically oriented, skills.

Math (3 years required)

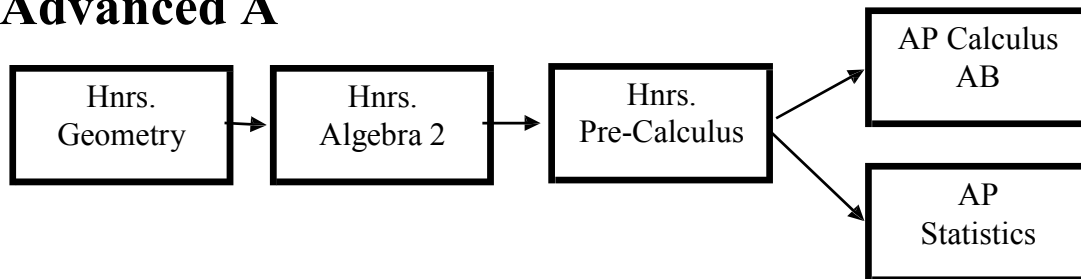
College Prep A



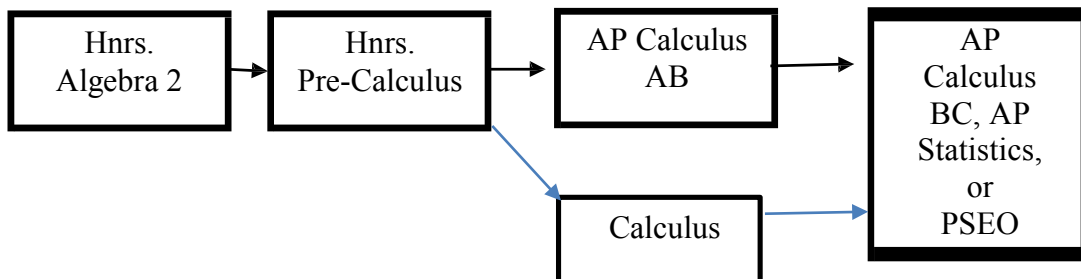
College Prep B



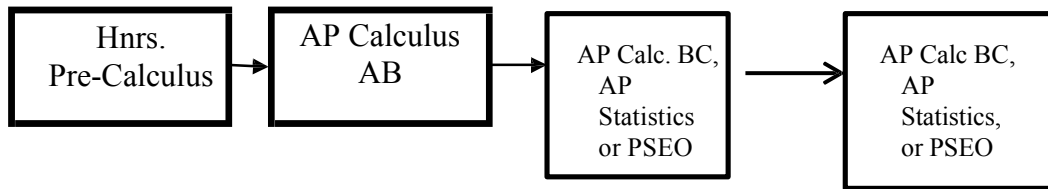
Advanced A



Advanced B



ADVANCED C



Algebra 1
510 - 10 Credits

9, 10, 11
Yr. Course

Algebra 1 is designed for students of average mathematical ability. Students will be expected to integrate prior learning with newly-introduced algebraic concepts and apply these principles to real life situations. Students develop critical thinking skills and use various problem-solving techniques. Topics presented in this course include simplifying expressions, solving and graphing linear and quadratic equations and inequalities, and solving systems of equations.

Geometry
520 – 10 Credits

9, 10, 11, 12
Yr. Course

General topics of study include lines, angles, triangles, quadrilaterals, circles, right angle trigonometry, areas of plane figures, surface areas and volumes of solid figures. This will be done while emphasizing logical thinking skills through the use of deductive reasoning.

PRE-REQUISITE: Algebra 1

Honors Geometry
521 - 10 Credits

9, 10
Yr. Course

Honors Geometry develops logical thinking skills and an understanding of geometric concepts necessary for careers in science and mathematics. Topics of study include polygons, circles, trigonometry, coordinate geometry, area, volume, and the development of both direct and indirect proofs.

PRE-REQUISITE: Honors Algebra 1 (or A grade and teacher rec. in Algebra)

Algebra 2
530 - 10 Credits

10, 11, 12
Yr. Course

Algebra is a logical and sophisticated way of looking at and dealing with numbers. We live in an increasingly scientific world, knowledge of algebra becomes more and more essential. Algebra has applications in the scientific, technical, business and education fields. Topics in Algebra 2 include a review of Algebra 1, complex numbers, logarithms, polynomials, and matrices. All colleges require at least three years of mathematics. Most want students to complete Algebra 2 for entrance.

PRE-REQUISITE: Algebra 1 & Geometry

Honors Algebra 2
531 – 10 Credits

9, 10, 11
Yr. Course

Honors Algebra 2 is the top-level Algebra 2 course, and is open to all who have successfully completed or are currently taking Honors Geometry. It is designed for students with high ability and motivation that may want to pursue a mathematics, business, engineering, or science degree in college. Honors Algebra 2 reviews and strengthens the student's knowledge of Algebra 1, including formal algebraic proofs. It also introduces the complex number system, linear programming, matrices, logarithms, and trigonometry. A graphing calculator is utilized in class.

PRE-REQUISITE: Honors Algebra 1 (or A grade and teacher rec. in Algebra 1) & Honors Geometry (or A grade and teacher rec. in Geometry)

Mathematics to Prep for College
514 -- 10 Credits

11, 12
Yr. Course

This class is for students who finish Algebra 2 and are not ready for Pre-Calculus. The book is geared towards students who need another Math to prepare them for a college math course. Instructor permission may be needed to enter the course.

Pre-Calculus
550 – 10 Credits

11, 12
Yr. Course

Pre-Calculus is intended for students who have successfully completed Algebra 2. It is recommended for students who will be involved in college courses such as Calculus, Accounting, Statistics, Physics, and Computer Programming. Pre-Calculus uses all of the skills and concepts of Algebra and Geometry, and introduces new topics such as Trigonometry, polar coordinates, sequences, limits, derivatives, and integrals. A scientific calculator is required. Criteria for Pre-Calculus: B average or better in Algebra 2

PRE-REQUISITE:
Algebra 2

Honors Pre-Calculus
551 – 10 Credits

9, 10, 11, 12
Yr. Course

Honors Pre-Calculus integrates the concepts of previous math courses in order that these might be used to solve a variety of real-world problems in science, business, and other areas. General characteristics of functions are an important topic. Specific types of functions studied are polynomial, exponential, logarithmic, and trigonometric. Emphasis will be placed on graphing as an aid to problem solving. Criteria: successful completion of Honors Algebra 2.

PRE-REQUISITE: Honors Algebra 2 (or A grade and teacher rec. in Algebra 2)

Statistics
572 - 10 Credits

12
Yr. Course

This course introduces students to the basic methods of statistical reasoning. Students develop the ability to summarize data, interpret data and draw conclusions based on the data. Statistics uses the same textbook as the AP Statistics course but goes less in-depth on each topic in order to spend more time on in-class activities and projects based on data collected by students. The student will use statistical inference to make valid generalizations from sample data. A graphing calculator is required.

AP Calculus AB
561 – 10 Credits

11, 12
Yr. Course

Advanced Placement Calculus stresses the techniques and applications of differential and integral Calculus. These techniques and applications are often requirements for a variety of college majors including, but not limited to: Bachelor of Science degrees in the engineering sciences, physical sciences, biological sciences, mathematical sciences, psychology, and pre-medicine. (For example, The University of Iowa and the Carlson School of Management, at the University of Minnesota, require the completion of Calculus before a student will be admitted into their Business Administration programs.) Because this is essentially a college-level course, students taking Calculus will be expected to spend an average of between 1 and 2 hours daily on reading and assignments. At the conclusion of the course, students may take an Advanced Placement Calculus exam for college credit. In some cases, this credit may fulfill the student's college mathematics requirement for graduation. Since the applications of calculus that appear on the Advanced Placement

Calculus Exams tend to involve non-routine physics concepts. AP Calculus students are advised to enroll in the Honors Physics course if they intend to take the Advanced Placement Calculus Exam. Students who perform well on the exam can expect to receive credit for the completion of one semester of college level calculus. The AP Calculus Exam includes problems that require the use of a graphing calculator. Only graphing calculators are permitted for student use during the AP Calculus exam.

PRE-REQUISITE: Honors Pre-Calculus

AP Calculus BC
10 Credits

10,11,12
Yr. Course

Calculus
10 Credits

10,11,12
Yr. Course

AP Statistics
570 - 10 Credits

11, 12
Yr. Course

This course introduces students to the basic methods of statistical reasoning. Students develop the ability to summarize data, interpret data and draw conclusions based on the data. The student will use statistical inference to make valid generalizations from sample data. A graphing calculator is required.

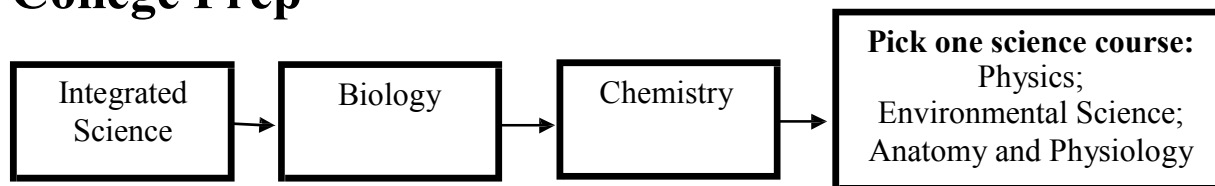
Science (3 years required)

College bound students must complete three years of science, including **at least two of these three**: Biology, Chemistry, and Physics.

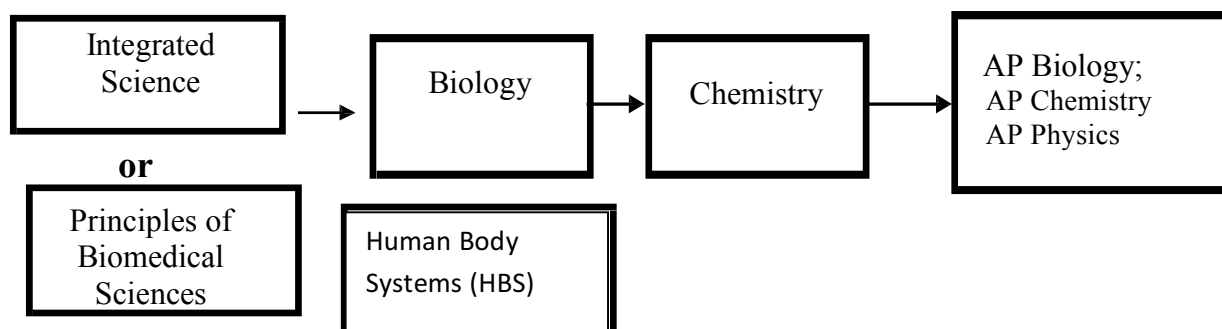
Option # 1



College Prep



Honors



Integrated Science
714 – 10 Credits

9
Yr. Course

Integrated Science is a course designed to introduce students to the basic properties and scientific principles involved in the world around us and prepare them for future science courses. Students will study measurement, atomic structure, periodic table, chemical interactions, nuclear chemistry, work, power, machines, weather and climate. Students enrolled in this course will problem solve, make observations, use measurements, practice correct lab procedures, improve computer skills, and develop a personal responsibility to the earth and its resources.

Biology
720 – 10 Credits

10
Yr. Course

Biology is the study of living things. Biology is designed, not only to study these living things, but also to bolster students' thinking skills and help them discover their relationship within the diverse web of life. Students will define, analyze, and solve problems, many in a laboratory setting. They will investigate and research controversial ethical issues in biology, and develop a personal rationale regarding these issues in light of Catholic teachings. They will seek to experience their responsibilities on a personal and global scale. Major topics to be studied include: scientific method, classification, cellular biology, microbiology, genetics and evolution, human anatomy and physiology.

AP Biology
725 – 10 Credits

11, 12
Yr. Course

This course is designed for students wishing to acquire a high level of understanding and skill development in a college-level biology class. Topics to be studied include molecular biology, cell anatomy and physiology, photosynthesis and respiration, genetics, evolution, taxonomy, botany, zoology (vertebrate and invertebrate), ecology, viruses, and fungi. In-depth reading, research, essays, and labs will be required. It is expected that students enrolled in the course will take the College Board Advanced Placement test. ***Additional summer reading requirement.**

PRE-REQUISITE(S): Biology, Chemistry

Chemistry
730 – 10 Credits

11, 12
Yr. Course

Chemistry is designed for college-bound students or students who would like to investigate the world around them from a chemical point of view. After taking the course the student will know atomic and molecular structure, properties of solids, liquids, and gases, chemical reactions, and chemical kinetics. The student will be able to perform laboratory experiments using various instruments. Students will be taught to employ safe practices in the laboratory as well as in their daily life. A calculator will be necessary for this course.

AP Chemistry
732 – 10 Credits

11, 12
Yr. Course

Advanced Placement Chemistry is designed to be a second-year chemistry class. Enrollment in Honors Physics, and completion or enrollment in Pre-Calculus are highly recommended. The intent of this class is review the ideas presented in the first-year chemistry class, expand on these ideas, and present new topics. The student enrolled in this class will receive extensive background in chemistry. The class is intended for those students who may be considering a career in physical and life sciences, and applied sciences such as engineering and medicine. The main goal of this class is to better prepare the student for the AP Chemistry exams. Advanced placement chemistry is a lab-based class.

PRE-REQUISITE: Chemistry

Physics
750 - 10 Credits

12
Yr. Course

Physics is the standard senior-level high school course for students taking four years of high school science in preparation for college. It provides students with a foundation in physics concepts that are used in a variety of occupations outside of the field of science. The course will help students to develop their abilities to make observations and measurements. Students will be able to use a variety of measuring instruments, including optical and electrical instruments. Students will be able to analyze a problem by identifying its parts and applying an understanding of the concepts of movement, force, light, electricity, heat, and energy. A calculator will be necessary for this course.

AP Physics
761- 10 Credits

12
Yr. Course

AP Physics 1 is a full-year lab-based course that covers the same material as the first semester of an algebra-based college course. The course explores Newtonian mechanics, work, energy, power, waves, and introductory simple circuits. Completion of this course qualifies you to take the AP PHYSICS 1 exam and earn college credit with a successful exam score.

RECOMMENDED PRE-REQUISITES: completion of Geometry and concurrently enrolled in Algebra II

Anatomy and Physiology
760 – 10 Credits

11, 12
Sem. Course

Anatomy and Physiology is offered for college-bound students interested in furthering their understanding of the structure and function of the human body. It is especially designed for students pursuing careers in health fields. The course focuses upon the increasing levels of complexity, the complementary nature of structure and function, homeostatic regulating mechanisms, the interrelationships between humans and their environments, and personal wellness. Anatomy and Physiology foster an appreciation and respect for the health of the human body. An outcome and culminating assessment of this class is a complete fetal pig dissection.

Environmental Science
765 – 10 Credits

11, 12
Yr. Course

Environmental Science is a course designed for those interested in their surroundings and interactions between organisms and the environment. This is a project-based class that requires the student(s) to complete research and scientific inquiry. A major focus of this course will be to develop an awareness of environmental issues and how scientists go about analyzing and solving those issues, as well as, looking at how these environmental issues impact your everyday life and the community, both the school and Dubuque community. The class will also examine ethics and the development of a personal environmental ethic in light of the Catholic call to stewardship and explore various career opportunities in environmental science.

Project Lead the Way
Courses:

Principles of the Biomedical Sciences (PBS)
771 -- 10 Credits

9, 10, 11, 12
Yr. Course

Students investigate various health conditions including heart disease, diabetes, sickle-cell disease, hypercholesterolemia, and infectious diseases. They determine the factors that led to the death of a fictional person, and investigate lifestyle choices and medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, medicine, and research processes. This course provides an overview of all the courses in the Biomedical Sciences program and lay the scientific foundation for subsequent courses. This course is designed for 9th or 10th grade students.

***NOTE: Students who score a 6 or higher on the end-of-course exam can receive 1 college science elective credit through the University of Iowa. See Guidance for details.**

Human Body Systems (HBS)
781 -- 10 Credits

10, 11, 12
Yr. Course

Students examine the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis. Students design experiments, investigate the structures and functions of the human body, and use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration. Exploring science in action, students build organs and tissues on a skeletal manikin, work through interesting real world cases and often play the roles of biomedical professionals to solve medical mysteries. This course is designed for 10th, 11th or 12th grade students.

***NOTE: Students who score a 6 or higher on the end-of-course exam can receive 3 college science elective credit through the University of Iowa. See Guidance for details.**

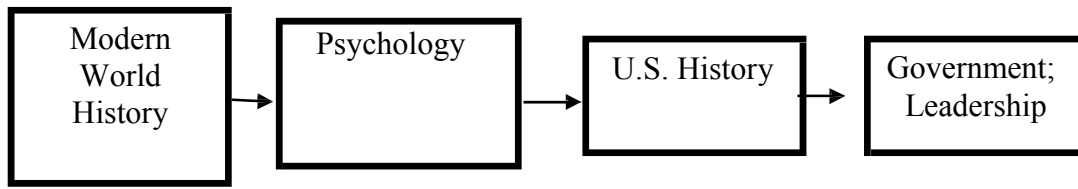
PRE-REQUISITE: *Prin. of Biomedical Science(s)*

Social Studies

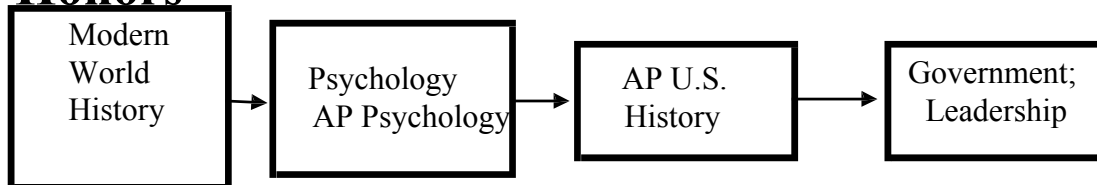
(3 years required)

The Social Studies department includes a variety of courses in the social sciences. Students must complete three full years of Social Studies. All students must complete United States History and U.S. Government in order to graduate.

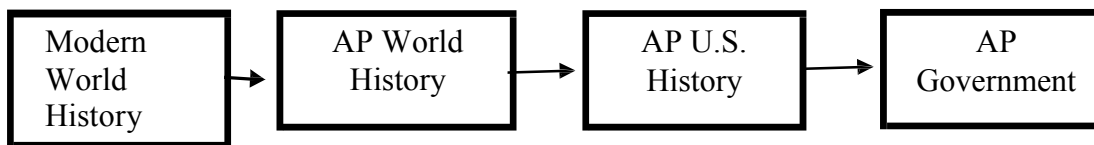
College Prep



Honors



Advanced



Modern World History 1500-Present
805 – 10 Credits

9th
Yr. Course

The purpose of the World History course is to develop greater understanding of the evolution of global processes and contacts, in interaction with different types of human societies. First semester will cover the ancient civilizations from the existed in South America, Europe, Africa, and Asia and the impact that they had on society. Second semester will cover the history starting with the fall of Rome and working towards present day current affairs.

AP World History
806 - 10 Credits

10
Yr. Course

AP World History course is intended to develop greater understanding of the evolution of global processes and contacts, in interaction with different types of human societies. This understanding is advanced through a combination of selective factual knowledge and appropriate analytical skills. The course highlights the nature of changes in international frameworks and their causes and consequences, as well as comparisons among major societies. The course emphasizes relevant factual knowledge deployed in conjunction with leading interpretive issues and types of historical evidence. The course builds on an understanding of cultural, institutional, and technological precedents that, along with geography, set the human stage. Periodization, explicitly discussed, forms an organizing principle for dealing with change and continuity throughout the course. Specific themes provide further organization to the course, along with the consistent attention to contacts among societies that form the core of world history as a field of study.

United States History
830 – 10 Credits

11, 12
Yr. Course

The study of American History will help students discover the relationship of the past to present. This course is taught topically rather than chronologically with emphasis on the growth and struggles on our nation rather than dates. Units involved are Independence, the Constitution, Political Parties, Causes of War, War, Cold War, Discrimination, Social Problems, Foreign Affairs, Lifestyle, and Economics. In each of these Units foundational learning is supported with an application to today. The class will include movies, discussion/lectures, simulations, secondary sources, group and individual work.

AP U.S. History
831 – 10 Credits

11, 12
Yr. Course

Advanced Placement History is a college-level United States History course for students with a superior aptitude for reading and writing history. Students enrolled in this course may take the college board placement exam in the spring, which may qualify them for college credit. The student should expect to have extensive reading assignments with discussion, and to write at least one essay per week.

Psychology
847– 5 Credits

10, 11, 12
Sem. Course

Psychology is a semester course designed to help students understand their own behavior and the behavior of others. Topics surveyed include: sleep and dreaming, motivation, emotions and violence, mental illness, therapy, and social learning. Current topics of concern are often discussed. The course includes demonstrations, possible guest speakers depending on availability, student activities and student presentations. An important goal of the course is to help students apply the principles discussed in class to their own lives.

AP Psychology
845 - 5 Credits

10, 11, 12
Sem. Course

The purpose of the AP course in Psychology is to introduce the systematic and scientific study of the behavior and mental processes of human beings and other animals. Included is a consideration of the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. Students also learn about the ethics and methods psychologists use in their science and practice. Students are required to take the AP exam and must maintain an 85% average to remain in the course both semesters.

PRE-REQUISITE = Psychology

Sociology
846 – 5 Credits

11, 12
Sem. Course

Sociology is a semester course focusing on understanding behavior through basic sociological theory and applying the principles to their own lives through the presentation of topics. These topics may include: eating disorders, substance abuse, teen depression, self-esteem, and violence. Students are guided in relating these psychological topics to their own lives.

Leadership
848 – 5 Credits

11, 12
Sem. Course

Students will develop leadership skills for their high school years as well as lifelong skills. The class will focus on students' self-image, motivation, attitude, goal-setting, visualization, and skill development.

This course does not count towards the 3 year graduation requirement for Social Studies.

U.S. Government
850 - 5 Credits

11, 12
Sem. Course

Government deals with the roots and nature of politics and government, the structure and function of government in the United States with foreign comparisons, political economy, and political discussions. The emphasis will be on the cause and effect of individual involvement and actions in local, state, and federal government. Students will have an opportunity to discuss local issues, register to vote, participate in the Youth in Government Program, and experience citizenship in action. This course is required for graduation.

AP U.S. Government
851 – 10 Credits

12
Yr. Course

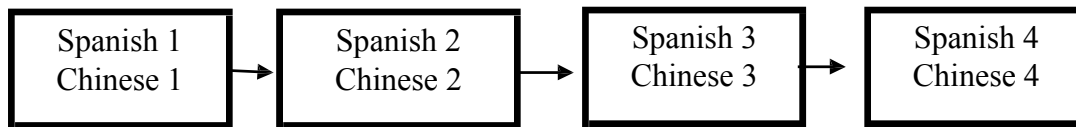
Advanced Placement Government is designed to give students insight into governmental systems worldwide. The first semester will be devoted to American Government and the Constitution of the United States. The students should be prepared for a more advanced level of reading, analyzing and writing. The course will stress current issues and their impact on our daily lives. Students with interests in careers such as diplomatic relations, political science, interpreters, all fields of communication and government related fields should find this course beneficial.

The second semester will emphasize comparisons of the governments of Eastern Europe, China, France, Great Britain and Mexico. Each year one of the Third World countries will be considered for comparison. This course offers the student the option of taking the AP exams offered in May of each year. A separate American Government and Comparative Government exam is available.

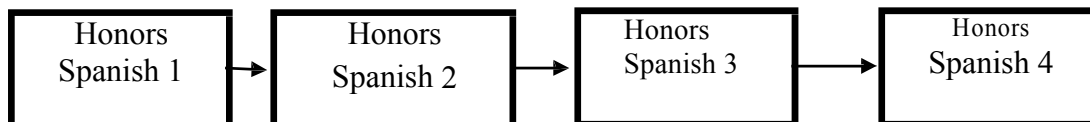
World Languages

The World Language Department includes studies in Spanish and Chinese. Students are encouraged to study a language for a minimum of two years. Many colleges recommend or require two years of language for admission. A select few require four years of language. Students will be expected to develop competencies in speaking, writing and listening. Students entering Wahlert Catholic High School having completed several years of a language (Our Lady of Guadalupe), or having developed fluency through another means, can take a competency exam to determine appropriate placement in our grade level courses.

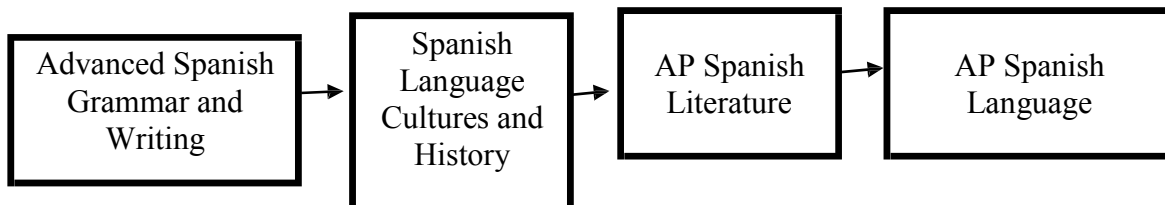
College Prep



Honors



Advanced (OLG)



Spanish 1
421 – 10 Credits

9, 10, 11, 12
Yr. Course

Spanish 1 is designed to develop the fundamental language skills of listening, speaking, reading, and writing. Vocabulary and grammar are presented in context, along with study of the culture of Spanish-speaking people.

PRE-REQUISITE = none

Honors Spanish 1
425 – 10 Credits

9
Yr. Course

Honors Spanish 1 is designed to develop the listening, speaking, reading, and writing skills of students who have demonstrated advanced ability and interest in acquiring the Spanish language. Vocabulary and grammar are presented in context, along with study of the culture of Spanish-speaking people.

PRE-REQUISITE = recommendation of previous language teacher(s)

Spanish 2
422 – 10 Credits

10, 11, 12
Yr. Course

Spanish 2 is a continuation of the development of listening, speaking, reading, and writing skills. Students continue the study of vocabulary and grammar in context, along with additional focus on the culture of Spanish-speaking people.

PRE-REQUISITE = Spanish 1 or Honors Spanish 1

Honors Spanish 2
426 – 10 Credits

10
Yr. Course

Honors Spanish 2 is a continuation of the development the listening, speaking, reading, and writing skills of students with advanced ability and interest in acquiring the Spanish language. Students continue the study of vocabulary and grammar in context, along with additional focus on the culture of Spanish-speaking people.

PRE-REQUISITE = Honors Spanish 1 or Spanish 1 with teacher recommendation

Spanish 3
423 – 10 Credits

11, 12
Yr. Course

Spanish 3 is a continuation of the development of listening, speaking, reading, and writing skills. Students continue the study of vocabulary and grammar in context, along with additional focus on the culture of Spanish-speaking people.

PRE-REQUISITE = Spanish 2 or Honors Spanish 2

Honors Spanish 3
427 – 10 Credits

11, 12
Yr. Course

Honors Spanish 3 is a continuation of the development the listening, speaking, reading, and writing skills of students with advanced ability and interest in acquiring the Spanish language. Students continue the study of vocabulary and grammar in context, along with additional focus on the culture of Spanish-speaking people. PRE-REQUISITE = Honors Spanish 2 or Spanish 2 with teacher recommendation

Honors Spanish 4
443 – 10 Credits

12
Yr. Course

Spanish 4 is a continuation of the development of listening, speaking, reading, and writing skills. Students continue the study of vocabulary and grammar in context, along with additional focus on the culture of Spanish-speaking people.

PRE-REQUISITE = Spanish 3 OR Honors Spanish 3

Advanced Spanish Grammar and Writing
429 - 10 Credits

9
Yr. Course

The Advanced Spanish Grammar and Writing course is designed for students with significant proficiency in the Spanish language. Students will continue to develop their fluency by using a process approach to writing personal, descriptive, narrative, expository and persuasive writing pieces. During this process students will also review and apply correct Spanish usage, mechanics and sentence variety. This course is taught in Spanish and students will be expected to use Spanish in class.

PRE-REQUISITE = recommendation of previous language teacher(s)

Spanish Language Cultures and History
432 - 10 Credits

10
Yr. Course

This course provides students with the opportunity to build on the information and concepts introduced in Advanced Spanish Grammar and Writing. The course provides opportunities for students to refine and perfect their skills in comprehension and expression of the Spanish language while learning more about textual and cultural representations of the Hispanic World. Taught primarily in Spanish, this course will help students strengthen language skills needed to take AP courses. This course is taught in Spanish and students will be expected to use Spanish in class.

PRE-REQUISITE = Advanced Spanish Grammar and Writing

AP Spanish Language
430 - 10 Credits

12
Yr. Course

The AP Spanish Language and Culture course is conducted primarily in Spanish with authentic materials from the Spanish-speaking world, and it is equivalent to a third year college course in advanced Spanish writing and conversation. This course is designed to provide students with various opportunities to further improve their proficiency in listening, speaking, reading, and writing skills to be ready for the AP Spanish Language and Culture Examination. This course is taught in Spanish and students will be expected to use Spanish in class.

PRE-REQUISITE = AP Spanish Literature

AP Spanish Literature
440 - 10 Credits

11
Yr. Course

The AP Spanish Literature course is conducted primarily in Spanish and is based on improving skills in writing Spanish and the critical reading of advanced Spanish and Latin American literature. It is equivalent to a third year college course in Hispanic literature. This course is designed to provide students with various opportunities to further improve their proficiency in reading, and writing skills to be ready for the AP Spanish Literature examination. This course is taught in Spanish and students will be expected to use Spanish in class.

PRE-REQUISITE= Spanish Language Cultures and History

Chinese 1
441 – 10 Credits

9, 10, 11, 12
Yr. Course

Chinese 1 is for beginners in Chinese. In this class, students will learn to speak and understand Mandarin using Pinyin system, a Romanized system of Mandarin pronunciation. They will also learn to recognize and write basic Chinese characters (simplified). Chinese culture including festivals and traditions are also introduced in this class.

PRE-REQUISITE= none

Chinese 2
442 -- 10 Credits

10, 11, 12
Yr. Course

Chinese 2 is for second year Chinese learners. It will review and expand on the information taught in Chinese 1. It will give students a broader vocabulary, build on grammar, and give more insight into sentence structure. Students will also learn past and future tense expressions. Reading and writing will continue to be taught with more emphasis on reading. As students speaking and listening ability improve, more Chinese and less English will be expected in the classroom.

PRE-REQUISITE= Chinese I

Chinese 3
443 -- 10 Credits

11, 12
Yr. Course

Chinese 3 will expand upon the foundations built in Chinese I and II. Students will learn more sentence patterns for a wider range of situations. Students will also learn how to recognize the related characters. Important aspects of Chinese culture will continue to be taught as well as the vocabulary to match each cultural topic.

PRE-REQUISITE= Chinese 2

Chinese 4
444 -- 10 Credits

12
Yr. Course

Chinese 4 will expand upon the foundations built in Chinese I, II & 3. Students will learn more sentence patterns for a wider range of situations. Students will also learn how to recognize the related characters. Important aspects of Chinese culture will continue to be taught as well as the vocabulary to match each cultural topic.

PRE-REQUISITE= Chinese 3

Fine Arts Department

Art

The mission of Wahlert Catholic High School Art Department is to offer a rigorous, professionally led standards-based curriculum to all students. Visual arts provide meaningful and significant experiences that foster critical thinking, inspire creative self-expression, and develop a lifelong appreciation of art. Our curriculum encourages students to explore both 2-dimensional and 3-dimensional formats. Each student is accepted at their individual skill level and encouraged to grow to their full potential.

Students must take either Introduction to Art or Digital Photography before they can take any other level Traditional Art/Digital Art course.

Traditional Art Courses

Introduction to Art 011 – 5 Credits

**9, 10, 11, 12
Sem. Course**

Introduction to Art is a foundation level studio class covering units in drawing, painting, clay and the elements of art and principles of design. Students are introduced to compositional theory as well as multicultural and historical art themes.

This is the Pre-requisite for all Traditional Art courses.

Drawing 037 – 5 Credits

**10, 11, 12
Sem. Course**

Students will further develop the fundamentals introduced in Introduction to Art. Skills are reinforced with attention to conceptual ideas and the creative problem solving. Emphasis is on landscape, still life, portraiture, figure drawing and abstraction. Students will be encouraged to develop a personal style and will integrate multicultural and art historical themes as well as technological applications. **Students may take multiple semesters of this class while developing their individual style.**

Prerequisite: Intro. to Art

Painting
035 – 5 Credits

10, 11, 12
Sem. Course

Emphasis in this course is on composition with advanced drawing skills applied in painting techniques. Students will experiment with theme development and application of style, skill and technique while communicating visually. Areas of study may include figure drawing, portraiture, landscape and illustration. Students will be acquainted with multicultural and art historical themes as well as technological applications. **Students may take multiple semesters of this class while developing their individual style.**

Prerequisite: Intro. to Art

Mixed Media
014 – 5 Credits

10, 11, 12
Sem. Course

This course is designed to give students a wide variety of art making experiences and allows students to continue to explore various visual art forms and techniques through the elements and principles of art and design. Students will produce original artworks and learn skills and techniques associated with a variety of art media. Emphasis will be placed on the elements of art and design with an emphasis on color, mood, texture and composition. Students will develop technical skills and personal style.

Prerequisite: Intro to Art

3D Art Studio
041 – 5 Credits

9,10,11, 12
Sem. Course

This course involves planning, design and construction of a variety of three dimensional objects. Students will assess aesthetic qualities of form and the surface treatments of objects as well as compositional theory while using different mediums such as plaster, clay, cardboard, glass, etc. Students will be acquainted with multicultural and art historical themes as well as current technological applications.

Prerequisite: Intro. to Art

3D Art Studio Advanced
042 – 5 Credits

10, 11, 12
Sem. Course

Advanced 3D Art Studio is designed for serious art students interested in furthering their skills in a variety of studio techniques. Students will appreciate and better understand the complexity of their medium and will create and problem solve while developing their own artistic style. **Students may take multiple semesters of this class while developing their individual style.**

Prerequisite: Intro. to Art & 3D Art Studio

Digital Art Courses

Digital Photography 055 – 5 Credits

**9, 10, 11, 12
Sem. Course**

Students must have an SD memory card for this class. Students in Digital Photography will learn to communicate visually using digital cameras. Students will learn all aspects of photography including camera functions, compositions and the editing software Adobe Photoshop.

This is a pre-requisite for all Digital Art courses.

Advanced Digital Photography 045 – 5 Credits

**10, 11, 12
Sem. Course**

This is an advanced course in Digital SLR photography. Students will explore technical, artistic, and social aspects of photography. The course will include on and off camera flash techniques, advanced digital camera operations and creative digital darkroom technique with Photoshop software. Class time will enable students to work on independent and cooperative explorations. Students will prepare a portfolio of work to exhibit and at the completion of the course.

Prerequisite: Digital Photography

Graphic Design 1 021 – 5 Credits

**9, 10, 11, 12
Sem. Course**

Graphic Design 1 will emphasize the use of the computer as an artistic tool. Students study basic principles of design through the use of the graphic program, Illustrator. Students will create a marketing collateral package for a local business as well as package design. The learning process is developed around these projects.

Prerequisite: Digital Photography

Textile Design 015 – 5 Credits

**10, 11, 12
Sem. Course**

This NEW course will introduce students to various methods of surface fabric design such as block printing, color dyes, batik, screen printing, shibori, digital surface design and more. Students will learn about the history of different surface design methods, utilize each method to create an original surface design then apply their fabric in a functional manner such as pillow design, pendant lamps, garments, wallpaper, gift-wrap, furniture design etc.

Prerequisite Intro to Art and Digital Photography

Music

The music department recognizes the importance of music in developing a student's self-esteem and also realizes the value of nurturing an appreciation for music and the arts. Students are encouraged to consider taking an elective from the following instrumental and choral options.

9th & 10th Men's Chorus
073 Men – 10 Credits

9, 10
Yr. Course

9th & 10th Women's Chorus
072 Women – 10 Credits

9, 10
Yr. Course

Each of these choirs studies vocal production through choral music. These choirs meet every other day. Students learn how to sing correctly in unison and in parts. They study the basic symbols in reading and interpreting music, practice sight-reading, apply music theory, learn to balance and blend voices, explore and sing different styles of music and practice appropriate behavior while participating in large groups. The men's and women's chorus performs at four concerts each year: The Sacred Concert, Christmas Concert, a Benefit's Concert and the Spring Concert. Those students with outstanding ability and interest have the opportunity to participate in State Solo and Ensemble contest. Participation in these choirs provides social interaction for each student as well as proper personal attributes such as responsibility and self-discipline.

Concert Choir
075 – 10 Credits

11, 12
Yr. Course

Concert Choir men and women participate in many performances throughout the school year. These include the Sacred Concert, Christmas Concert, Pops Concert and Spring Concert. Additionally, this group performs at several community functions. Concert Choir students have the opportunity to audition for: Show Choir, A cappella Choir and the All-State Chorus and participate in the State Solo and Ensemble Contest. Concert Choir participates in the State Large Group Competition. Rehearsals take place every day. During these rehearsals, students have the opportunity to continue their study of vocal development and technique, application of music theory in regard to literature being studied, and balance and blend. Students learn to cooperate with one another and develop a proper attitude and responsibility.

A Cappella Choir
074 – 10 Credits

11, 12
Year Course

Concert Choir members may audition for this ensemble. This choir provides a challenging vocal experience for the more advanced vocal student. Students build on concepts taught in Concert Choir. A Cappella Choir not only performs during the Sacred Concert, Christmas Concert and Spring Concert, but is also called upon repeatedly to sing before various community organizations. This group also performs at Solo and Ensemble contests and auditions for the prestigious All-State Choir.

PRE-REQUISITE = Member of Choir & Selection from Audition

Guitar Ensemble
058 – 5 Credits

9, 10, 11, 12
Sem. Course

This ensemble will study guitar theory, history, mechanics, reading, performance. Students create and arrange melodies. By arranging simple melodies from basic structural rules and by expanding these melodies, students learn to understand the creative process first hand.

Basic Musicianship
059 – 5 Credits

12
Sem. Course

Students will study musicianship, theory, musical materials, and procedures providing experience in writing/performing fundamentals: keys, intervals, triads, 7th chords, and basic harmonic functions. Students are introduced to ear-training: identifying intervals, triads, sight-singing basics, and dictation of basic melodies. Students will recognize, understand, and describe the basic materials and processes of music that are heard or presented. This class is designed for students who are seriously considering majoring in Music at the college level.

Band
065 – 10 Credits

9, 10, 11, 12
Yr. Course

Concert Band is designed to give students a wide variety of musical experiences including marching band, pep band, and wind ensemble. Students will study music from historic time periods and given lessons to aid in their musical development. The marching band performs at all home football games; the pep band performs at home basketball games; and the wind ensemble performs at several major concerts each year. An ensemble performs at Masses and festivals. As an adjunct to the concert band program, students are encouraged to participate in festival honor bands, All-State auditions, and solo and ensemble contests.

Jazz Band
061 – 10 Credits

9, 10, 11, 12
Yr. Course

Jazz Band is offered to all students by audition. The curriculum offers an emphasis on performance, improvisation, listening, and appreciation through the area of jazz music. Participation includes community events, concerts, festivals, and tours. Members must be a member of the concert band.

Rock Music Appreciation
068 --5 Credits

11, 12
Sem. Course

Discover the history of rock 'n' roll in more detail than you can imagine. In this class, you will learn where rock music started, how it evolved, its highs and lows, its outlaws and visionaries, and how it changed social history by combating racism and challenging the establishment with alternate lifestyles and fashions. You will learn about the musical and business trends in rock, major technological innovations, the prime innovators, and the historical context that has seen rock alternately flourish and struggle over the past 60 years. *This class does not require a student to have a background in playing a musical instrument.*

Business

Accounting 1 **143 – 5 Credits**

10, 11, 12
Sem. Course

Accounting 1 is designed to help students gain knowledge and skills needed for entry level accounting careers. These positions might include: payroll clerk, cashier, purchasing agent, accounts receivable and accounts payable, shipping, billing, inventory control, and bookkeeping clerks. Most business related fields depend upon basic accounting knowledge as well. This course is strongly recommended as a foundation on which to continue the study of accounting and/or business at the college level.

Accounting 2 **144 – 5 Credits**

10, 11, 12
Sem. Course

Accounting 2 expands information from the first-year course. A review of the entire accounting cycle using a departmentalized business allows students to begin the advanced course by reviewing many of the topics learned in the first semester course. The remaining six parts of the course explore various aspects of accounting including accounting control systems, accounting adjustments, management and cost accounting, and not-for-profit accounting.

Personal Finance 1 **149 – 5 Credits**

9, 10, 11, 12
Sem. Course

Personal Finance 1 will cover the basics of money management. The curriculum and class will be formatted as the current solo Personal Finance operates. Students will learn the basics on saving, investing, retirement/college funding, debt/credit management, budgeting, checking accounts, insurance, taxes, and mortgages.

Personal Finance 2 **146 – 5 Credits**

11, 12
Sem. Course

Personal Finance 2 will cover the concepts learned in Personal Finance 1 in greater depth. The focus of the course will be explaining the importance of money management after post-secondary education and during adult life.

Business Economics **154- 5 credits**

10, 11, 12
Sem. Course

Business Economics will give students a greater understanding of how individuals, businesses, and governments allocate resources. The course will study the concepts of scarcity, opportunity costs/tradeoffs, the laws of supply and demand, economic measurements (such as unemployment, inflation, and Gross Domestic Product), the government's influence on the economy and international trade. This course will also integrate current events from local, national, and global headlines into the curriculum.

Biz Innovator
151 -5 credits

11,12
Sem Course

Biz Innovator is the entrepreneurship curriculum toolkit that teaches the “entrepreneurial mindset” to students by encouraging creativity, innovation, critical thinking and problem –solving and also equipping students with the skills necessary to succeed and excel.

***College credit can be earned through the University of Iowa.**

Family and Consumer Studies

Family and Consumer Studies courses compliment the core curriculum. Most students appreciate having additional courses such as these that expand their skills for everyday living.

Culinary Arts 1 **275 – 5 Credits**

9, 10, 11, 12
Sem. Course

Culinary Arts 1 will develop, by laboratory and written work, a student's working knowledge of wellness concepts, food and kitchen safety, recipes and cooking equipment, including the microwave oven. Students will utilize this knowledge in the selection and preparation of a variety of foods including convenience foods. Students will also analyze and even modify foods for maximum nutrition and to meet special needs. Students in this class will also explore opportunities in food-related careers and gaining knowledge and experience needed for professions in the food industry.

Culinary Arts 2 **276 – 5 Credits**

9, 10, 11, 12
Sem. Course

Culinary Arts 2, students will build on the knowledge and skills learned in Culinary Arts 1. They will demonstrate, in laboratory and written work, a working knowledge of the nutritional value and food preparation techniques for produce, dairy eggs, meat, seafood, grains, yeast breads, quick breads and pastries. Special emphasis will be placed on meal-planning and food-management techniques.

Project Lead the Way (Computer Science)

Principles of Computer Science
921 – 10 Credits

9,10,11,12
Yr. Course

Using Python® as a primary tool, students explore and become inspired by career paths that utilize computing, discover tools that foster creativity and collaboration, and use what they've learned to tackle challenges like app development and simulation.

Note: This course is endorsed by the College Board, giving students the opportunity to take the AP CSP exam for college credit.

Project Lead the Way (Engineering)

Principles of Engineering **250 – 10 Credits**

9, 10, 11, 12
Yr. Course

This survey course exposes students to major concepts they'll encounter in a post-secondary engineering course of study. Topics include mechanisms, energy, statics, materials, and kinematics. They develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges, document their work and communicate solutions.

****NOTE: Students who score a 6 or higher on the end-of-course exam can receive 3 college science elective credit through the University of Iowa. See Guidance for details.**

PRE-REQUISITE: Completed or currently enrolled in Geometry

Civil Engineering & Architecture (offered in 2018-19) **258– 10 Credits**

10, 11, 12
Yr. Course

Students dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using 3D modeling software, and use an engineering notebook to document their work.

****NOTE: Students who score a 6 or higher on the end-of-course exam can receive 3 college science elective credit through the University of Iowa. See Guidance for details.**

PRE-REQUISITE: Principles of Engineering

Aerospace Engineering (offered in 2019-2020) **248– 10 Credits**

10, 11, 12
Yr. Course

This course propels students' learning in the fundamentals of atmospheric and space flight. As they explore the physics of flight, students bring the concepts to life by designing an airfoil, propulsion system and rockets. They learn basic orbital mechanics using industry-standard software. They also explore robot systems through projects such as remotely operated vehicles. ****NOTE:**

Students who score a 6 or higher on the end-of-course exam can receive 3 college science elective credit through the University of Iowa. See Guidance for details.

PRE-REQUISITE: Principles of Engineering

Strategies

Math/Science Strategies

990 – 5, 10 Credits

Administrative Placement Only

9, 10, 11, 12

Sem. or Yr. Course

This course is designed for students with identified learning differences in Math and Science. Strategy teachers work with the students to identify individual learning styles, strengths and weaknesses. Students learn strategies to improve academic performance and skills in content classes. Students track their progress by monitoring their grades, arranging assessments and retakes with classroom teachers, and seeking help from strategy teachers when necessary.

Placement in the class is by recommendation of an administrator only.

English/Social Studies Strategies

991 – 5, 10 Credits

Administrative Placement Only

9, 10, 11, 12

Sem. or Yr. Course

This course is designed for students with identified learning differences in English and Social Studies. Strategy teachers work with the students to identify individual learning styles, strengths and weaknesses. Students learn strategies to improve academic performance and skills in content classes. Students track their progress by monitoring their grades, arranging assessments and retakes with classroom teachers, and seeking help from strategy teachers when necessary.

Placement in the class is by recommendation of an administrator only.



Wahlert Catholic High School

Course List

Grade 9

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RELIGION DEPARTMENT	Credits	WORLD LANGUAGE DEPARTMENT	Credits
610 Ninth Grade Religion (Scripture & Christ).....	10	441 Chinese 1	10
PHYSICAL EDUCATION DEPARTMENT		421 Spanish 1.....	10
215 Soar into Wahlert (PE)	5	425 Honors Spanish 1.....	10
245 Health Elective (S2).....	5	429 Advanced Spanish Grammar & Writing.....	10
219 Strength and Conditioning (S2).....	5, 10	ART DEPARTMENT	
215 Intro to PE (S2).....	5, 10	011 Introduction to Art	5
ENGLISH DEPARTMENT		037 Drawing.....	5
310 Ninth Grade English.....	10	035 Painting.....	5
311 Honors Ninth Grade English.....	10	041 3D Art Studio 1.....	5
366 Theatre Arts 1.....	5		
382 Theatre Arts 2.....	5	055 Digital Photography.....	5
369 Stagecraft.....	5	045 Advanced Photography.....	5
362 Mass Communications 1-Yearbook.....	10	021 Graphic Design 1.....	5
363 Mass Communications 2-Newspaper.....	10	MUSIC DEPARTMENT	
MATHEMATICS DEPARTMENT		058 Guitar Ensemble.....	5
512 Algebra 1A.....	10	065 Band.....	10
510 Algebra 1.....	10	073 9-10 Men's Chorus	10
520 Geometry	10	072 9-10 Women's Chorus.....	10
521 Honors Geometry.....	10	BUSINESS	
530 Algebra 2.....	10	149 Personal Finance 1.....	5
531 Honors Algebra 2.....	10	FAMILY & CONSUMER STUDIES	
551 Honors Pre-Calculus.....	10	275 Culinary Arts 1.....	5
SCIENCE DEPARTMENT		276 Culinary Arts 2.....	5
714 Integrated Science.....	10	OTHER	
771 Principles of the Biomedical Sciences.....	10	912 Principles of Computer Science (PLTW).....	10
SOCIAL STUDIES DEPARTMENT		250 Principles of Engineering (PLTW).....	10
805 Modern World History.....	10	RESOURCE	
		990 *Math & Science Strategies.....	5, 10
		991 *English & Social Studies Strategies.....	5, 10
		Note: 5 credit courses = 1 semester only	
		10 credit courses = 2 semesters	
		 *Administrative Placement only	



Wahlert Catholic High School

Course List

Grade 10

RELIGION DEPARTMENT 620 Sophomore Religion (Scriptures & Sacraments).....10	WORLD LANGUAGE DEPARTMENT Credits
PHYSICAL EDUCATION DEPARTMENT 219 Strength and Conditioning5, 10 216 Fitness and Conditioning.....5, 10 217 Team & Recreational Sports5, 10 245 Health Elective.....5	441 Chinese 110 442 Chinese 210 421 Spanish 110 422 Spanish 210 426 Honors Spanish 2.....10 429 Advanced Spanish Grammar & Writing.....10 430 AP Spanish Language.....10
ENGLISH DEPARTMENT 310 Sophomore English.....10 321 Honors Sophomore English.....10 325 Oral Communication.....5 326 Real World Communication.....10 362 Mass Communications 1-Yearbook.....10 363 Mass Communications 2-Newspaper.....10 366 Theatre Arts 1.....5 382 Theatre Arts 2.....5 369 Stagecraft.....5	ART DEPARTMENT 055 Digital Photography.....5 021 Graphic Design 1.....5 045 Advanced Photography5 015 Textiles.....5 011 Introduction to Art.....5 035 Painting.....5 014 Mixed Media.....5 041 3D Art Studio 1.....5 042 3D Art Studio Adv.....5 037 Drawing.....5
MATHEMATICS DEPARTMENT 510 Algebra 1.....10 513 Algebra 1B.....10 511 Honors Algebra 1.....10 520 Geometry10	MUSIC DEPARTMENT 058 String Ensemble (Guitar).....5 065 Band.....5, 10 073 9-10 Men's Chorus10 072 9-10 Women's Chorus.....10
521 Honors Geometry.....10 530 Algebra 2.....10 531 Honors Algebra 2.....10 550 Pre-Calculus.....10 561 AP Calculus AB.....10 552 Calculus.....10	BUSINESS 149 Personal Finance 1.....5 143 Accounting 1.....5 144 Accounting 2.....5 154 Business Economics.....5
SCIENCE DEPARTMENT 720 Biology10 730 Chemistry.....10 771 Principles of the Biomedical Sciences.....10 781 Human Body Systems.....10	OTHER 275 Culinary Arts 1.....5 276 Culinary Arts 2.....5 990 *Math & Science Strategies.....5 991 *English & Social Studies Strategies.....5 250 Principles of Engineering.....10 Civil Engineering.....10 921 Principles of Computer Science (PLTW).....10
SOCIAL STUDIES DEPARTMENT 806 AP World History.....10 847 Psychology.....5 845 AP Psychology.....10	<p style="text-align: center;">Note: 5 credit courses = 1 semester only 10 credit courses = 2 semesters</p> <p style="text-align: center;">*Administrative Placement only</p>

Wahlert Catholic High School

Course List

Grades 11-12

THEOLOGY DEPARTMENT Credits 650 Junior Religion (Christian Morality).....10 660 Senior Religion (Catholic Identity).....10 661 Why Am I Catholic (Seniors only).....10	SCIENCE DEPARTMENT 725 AP Biology.....10 730 Chemistry.....10 732 AP Chemistry.....10 750 Physics.....10 761 AP Physics.....10 760 Anatomy & Physiology..... 5 765 Environmental Science.....10 771 Prin. Of Biomedical Science..... 10 781 Human Body Systems.....10	MUSIC DEPARTMENT 058 Guitar Ensemble5 059 Basic Musicianship.....5 065 Band.....5 061 Jazz Band5 075 Concert Choir.....10 082 A Cappella Choir5 068 Rock Music Appreciation.....5
PHYSICAL EDUCATION DEPT. 219 Strength and Conditioning5, 10 216 Fitness and Conditioning.....5, 10 217 Team & Rec Sports.....5, 10 245 Health5	SOCIAL STUDIES DEPARTMENT 830 U.S. History..... 10 831 AP US History 10 847 Psychology.....5 845 AP Psychology.....5 846 Sociology.....5 850 Government.....5 851 AP Government.....10 848 Leadership.....10	BUSINESS DEPARTMENT 151 Biz Innovator.....5 143 Accounting 15 144 Accounting 25 149 Personal Finance 1.....5 146 Personal Finance 2.....5 154 Business Economics.....5
ENGLISH DEPARTMENT 320 Junior English.....10 331 AP Junior English (Language).....10 341 AP Senior English (Literature).....10 342 Fiction/Non-Fiction.....10 348 Senior English.....10 375 ***College Writing 1.....5 376 ***College Writing 2.....5 364 Communicating Thru Video (WCTV)10 366 Theatre Arts 1.....5 382 Theatre Arts 2.....5 368 Stagecraft.....5 362 Mass Comm. 1 Yearbook.....10 363 Mass Comm. 2 Newspaper.....10 368 Theatre Arts Advanced.....5	WORLD LANGUAGE DEPARTMENT 441 Chinese 1.....10 442 Chinese 2.....10 443 Chinese 3.....10 444 Chinese 410 421 Spanish 1.....10 422 Spanish 2.....10 423 Spanish 3.....10 427 Honors Spanish 3.....10 443 Honors Spanish 4.....10 430 AP Spanish Language.....10 432 Spanish Lang. Culture & History.....10 440 AP Spanish Literature.....10	FAMILY & CONSUMER STUDIES 275 Culinary Arts 1.....5 276 Culinary Arts 2.....5 OTHER ELECTIVES 250 Principles of Engineering.....10 Civil Engineering.....10 921 Principles of Computer Science.....5 990 Math / Science Strategies.....5 991 English / Social Studies Strategies.....5
MATH DEPARTMENT 510 Algebra 1.....10 513 Algebra IB.....10 520 Geometry.....10 521 Honors Geometry.....10 530 Algebra 2.....10 531 Honors Algebra 2.....10 514 Math Prep for College.....10 550 Pre-Calculus.....10 551 Honors Pre-Calculus10 572 Statistics.....10 570 AP Statistics.....10 552 Calculus.....10 561 AP Calculus AB.....10 562 AP Calculus BC.....10	ART DEPARTMENT 011 Introduction to Art.....5 055 Digital Photography.....5 021 Graphic Design 1.....5 037 Drawing.....5 035 Painting.....5 014 Mixed Media.....5 041 3D Art Studio 1.....5 042 3D Art Studio Adv.....5 045 Advanced Photography.....5	COLLEGE & CAREER READINESS 950 Am I Ready.....5 157 Internship Off Campus.....5 <div style="text-align: center;"> Note: 5 credit courses = 1 *Administrative Placement only *** Dual Credit Course </div>

