



Wahlert Catholic High School

# Course Selection Guide 2023-2024

Holy Family Catholic  
School District



## Graduation Requirements

### All students are required to complete...

- 4 years of **English courses**
- 3 years of **science courses**
- 3 years of **social studies courses**
- 3 years of **math courses**
- 4 years of **theology courses**
- 1 semester of **personal finance** (per State of Iowa requirements for all graduates)

### 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. The number of credits necessary for graduation decreases for students taking PSEO, PICC, or Internships. A PSEO, PICC, or Internship could take up multiple class periods due to travel time.

### 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.

*Wahlert Catholic High School utilizes the following grading scale for all courses.*

<b>A+</b> ..... 97-100%	<b>B+</b> .....87-89.99%	<b>C+</b> .....77-79.99%	<b>D+</b> .....67-69.99%
<b>A</b> .....93-96.99%	<b>B</b> .....83-86.99%	<b>C</b> .....73-76.99%	<b>D</b> ..... 63-66.99%
<b>A-</b> .....90-92.99%	<b>B-</b> .....80-82.99%	<b>C-</b> .....70-72.99%	<b>D-</b> .....60-62.99%
			<b>NC</b> ...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 Requirement

Commitment to service is a core value of our school's mission. It is a requirement for graduation that WCHS students complete a minimum of 5 hours of service per semester. This will equate to a 40-hour work week donated to the community by graduation. The Pass/Fail grade in Mentoring will be impacted by the completion of service. More than 5 hours per semester may be completed and tracked, but they will not carry over to the next semester.

### How to track hours

All service hours will be submitted to the Helper-Helper app. Instructions on how to use the app to track hours and find opportunities will be provided to each student. For longer experiences such as a service trip, camp, or retreat 20 hours per experience per semester can be submitted. Hours completed in summer apply to 1st semester, and hours completed in between 1st & 2nd semester apply to 2nd semester.

Submitted hours will be validated and accepted if they meet the criteria of going “above and beyond personal responsibility.” Hours will be rejected based on inaccurate information. The coordinator of the service and the Ministry Director reserve the right to request further information, corrections, or, if necessary, to reject submitted hours.

### Servant Cord

Students who wish to be recognized for their commitment to service can choose to apply for the Servant Cord at graduation if the student has completed a minimum of 200 approved hours of service by the final semester of their senior year. To apply, the candidate must write a 5-7 page reflection paper on his or her service answering all of the proposed questions, and turn in a recommendation written by an adult outside of Holy Family and outside of the student's family. Further details will be provided for each student.

### What is considered “service”?

Service should go above and beyond our normal duty, expectation, and responsibilities to family, friends, school, church, teams, and clubs. Service should stretch us beyond ourselves and our personal responsibilities. Service should help meet a need in our community that may otherwise go unserved without people volunteering their time and talents.

The materials linked below are provided to help students discern what could be counted for service hours and what will not be counted toward service hours.

[Service Flow Chart](#)  
[Service Ideas](#)

*\*To whom it applies this information is separate from NHS service requirements.*

### **Summit Learning**

As Summit's personalized learning emerges as a leading educational model – and as part of our commitment to ensuring that every student in our school system leaves with the knowledge and skills to be college-, career-, and citizenship-ready – Holy Family Catholic Schools has warmly embraced this educational concept. Holy Family's Summit learning model supports individualized, project-based student engagement, encourages collaboration and creativity, and promotes authentic work and meaningful assessments. It supports each student in achieving his or her individual potential by setting and tracking achievement goals in real-time, providing a diagnostic tool for teachers to engage with students more effectively; and it empowers students to learn at a pace that's right for each of them, ensuring they have thoroughly learned the material. For more information, please click here or visit:

<https://www.holyfamilydbq.org/personalizedlearning/>

### **Competency-Based Pathway Courses (CBE)**

Some courses are offered through CBE Pathway (Competency-based Education Pathway). This type of course is offered in an innovative, flexible way. Rather than a regular class period meeting daily with face-to-face instruction, the student and teacher co-design a learning plan to meet the competencies for the course and set the time period in which course requirements will be met. Instructional plans may include face-to-face direct instruction, independent projects, and online learning components. The student shares evidence of learning with the certified teacher and the teacher evaluates that evidence aligned to course competencies (aligned to applicable state standards). Students can continue to revise and submit evidence of learning to show mastery. Once the competencies for the course have been met, the teacher submits the grade for credit. The start and end dates of a course using CBE pathways do not have to match a traditional semester schedule. However, if expectations established in the learning plan are not met, students may be deemed ineligible for extra-curricular activities. Students who wish to enroll in a CBE Pathway for a course, must seek guidance and approval from the school counselor, principal, and teacher with the certification to grant mastery for the course.

Link: [Student Plan Sheet](#)

## **College Credit Opportunities | Wahlert Catholic High School**

### **Advanced Placement (AP)**

In Advanced Placement (AP) courses, students engage in intense discussions, solve problems collaboratively, and learn to write clearly and persuasively.

#### **Advanced Placement offerings include...**

- AP Biology
- AP Chemistry
- AP Calculus AB/BC
- AP US History
- AP Government
- AP English Language
- AP English Literature
- AP Spanish Language
- AP Spanish Literature
- AP Music Theory
- AP Computer Science Principles
- AP Physics
- AP Macroeconomics
- AP World History Modern

#### **College Credit Opportunity – AP**

Students who score “3” or higher on the spring AP exam **may** earn three college credits per passed exam (pending college approval). College credit is not given to test scores below a “3”. Most colleges accept these credits.

Please click or visit the link the below for college/university credit policies:

<https://apstudents.collegeboard.org/getting-credit-placement/search-policies>

#### **Courses Fees – AP**

There is no cost associated with AP class participation; however, the exam fees are approximately \$97 per exam.

## Concurrent Courses

Concurrent courses are Northeast Iowa Community College or Clarke University courses taught at Wahlert during the regular school day by our qualified Wahlert teachers. Students will receive both high school and college credit upon completion of these courses.

## Concurrent Course offerings include...

### **Northeast Iowa Community College (NICC)**

- Composition I (College Writing, ENG 105) \*
- Composition II (College Writing II, ENG 106) \*
- Public Speaking (SPC-112) \* | Online Course
- Statistics (MAT 156) \* | Online Course
- Introduction to Psychology (PSY-111) \* | Online Course
- Introduction to Religion (REL-105) \*
- Foundations of Education (EDU-210) \* | Free of cost

### **Clarke University**

- Pre-Calculus with Algebra (MAT-117) \*

\* Students must have a qualifying ACT score to participate in these courses.

## College Credit Opportunity – Concurrent Courses

All courses mentioned above are worth 3 college credits each. Most colleges accept these credits. In some circumstances, transferring these credits may require further documentation (a syllabus, for example).

- [Please check with prospective colleges/universities for transferability.](#)
- *Wahlert will use the NICC grading scale to designate letter grade on student's transcript.*

## Course Fees – Concurrent Courses

The concurrent courses listed above are not free of cost; however, do come at a reduced rate (typically around \$120). The contracted courses guarantee seats for our students. Students must adhere to the college's drop/add dates should the need arise. Students are also responsible for any associated book fees.

## Post-Secondary Education Opportunity (PSEO) Courses

Post-Secondary Education Opportunity (PSEO) courses are college courses taken at the local colleges on their campuses, with their professors, and with college students.

### PSEO course offerings include...

- PSEO courses must be pre-approved by the State. Paperwork to apply for PSEO courses can be found in the Wahlert 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.)

### Popular Clarke University PSEO course offerings:

- Art & Design Methods (DMS-105)\*
- Form & Communication (DMS-230)\*

### College Credit Opportunity – PSEO Courses

College credits given based upon specific college regulations.

- *Please check with prospective colleges/universities for transferability.*
- *Wahlert will use the college/university grading to designate letter grade on transcript.*

### Course Fees – PSEO Courses

Approved PSEO courses are free to students living in Iowa and have a qualifying score on the Iowa Assessments. Students are not responsible for book fees.

## Placement in College Credit (PICC) Courses

The Placement in College Credit (PICC) program allows high school students to enroll part-time in college credit courses at Northeast Iowa Community College (NICC), prior to high school graduation. A PICC course cannot take the place of a graduation requirement.

### Course Offerings (PICC)

Courses should go above and beyond the courses available at Wahlert and must be approved by administration. Students can take courses through NICC both their junior and senior year. Paperwork for these courses can be completed through Wahlert's Counseling Office. Course options could include: World Regional Geography (GEO 121), Art Appreciation (ART 101), Introduction to Sociology (SOC 110), Cultural Diversity & Identity (HUM 108), Welding Fundamentals (WEL 330), Medical Terminology (HSC 114), and many more.

### **College Credit Opportunity – PICC Courses**

College credits are given based upon specific college regulations. High school students must meet the requirements and guidelines for the NICC class for which they are registering, including a qualifying ACT, ALEKs Math, or ACCUPLACER placement score.

- *Wahlert will use the NICC grading scale to designate letter grade on student's transcript.*

### **Course Fees – PICC Courses**

Students who live within the Dubuque Community School District and have a qualifying ACT or ISASP score can take PICC courses free of cost. Students taking Career & Technical courses through NICC do not need a qualifying assessment score. Additional cost for books or materials is still the student's responsibility. Students who live outside of the Dubuque Community School District will be charged approximately \$380, plus any additional cost for books or materials. PICC courses are available to all Wahlert students. [Click here to access and print the PICC enrollment paperwork.](#)

To learn more about how your student can achieve college credit during high school, [click here to visit](#) Wahlert Catholic High School's Counseling Office website.

# **Table of Contents | Departments**

*Click on department links below for quick access to sections of Wahlert Catholic High School's course guide.*

<b><u>Theology</u></b> .....	10
<b><u>College &amp; Career Readiness</u></b> .....	14
<b><u>Physical Education</u></b> .....	17
<b><u>English</u></b> .....	19
<b><u>Mathematics</u></b> .....	24
<b><u>Science</u></b> .....	30
<b><u>Social Studies</u></b> .....	34
<b><u>World Languages</u></b> .....	38
<b><u>Fine Arts Department   Art</u></b> .....	42
<b><u>Fine Arts Department   Music</u></b> .....	48
<b><u>Business</u></b> .....	51
<b><u>STEM</u></b> .....	54
<b><u>Academic Strategies</u></b> .....	58
<b><u>Course List   Grade 9</u></b> .....	61
<b><u>Course List   Grade 10</u></b> .....	62
<b><u>Course List   Grade 11</u></b> .....	63
<b><u>Course List   Grade 12</u></b> .....	65

**Starting on this page, begins the course descriptions for each department at Wahlert Catholic High School.** These courses may be subject to change due to staffing and student interest. If there is a course you would like to take, but do not see listed, please reach out to Wahlert's Counseling Office at (563) 583-9771 or email [klenart@holyfamillydbq.org](mailto:klenart@holyfamillydbq.org).

## Theology

- Four years required.
- Students are required to take a religion course each semester.
- It is a requirement for graduation that WCHS students complete a minimum of 5 hours of service per semester. [Click here for a complete overview of the service requirement.](#)

### What is the Bible?

**9<sup>th</sup> Grade | Semester Course**  
**610 - 5 credits**

The purpose of this course is to give students a general knowledge and appreciation of Sacred Scripture. This course explores what the Bible is, what the different genres of biblical literature are, and creates connections between the First and Second Testaments. We will spend time talking about the importance of narrative for religious and cultural meaning making, reading selections out of both testaments to trace the experiences with God of our foremothers and fathers in faith.

### Who is Jesus?

**9<sup>th</sup> Grade | Semester Course**  
**610 - 5 credits**

The purpose of this course is to continue studying Scripture and focuses particularly on the Second Testament writings up through the first century about Jesus and the Church. This course explores the person of Jesus in the gospel of Matthew to trace Old Testament themes (introduced in the Fall semester course) that are played out in the Jesus story. Encountering Jesus as the Living Word in Scripture invites students to reflect on discipleship and who Jesus calls them to be.

## **Covenant Relationship & Jesus as the Fulfillment of the Promise**

**10<sup>th</sup> Grade | Semester Course**

**620 - 5 credits**

The purpose of this course is to help students understand the Love God has for them and what God has done for us through Jesus Christ. Students will learn that God has a plan for us to share eternal happiness which is accomplished through the redemption Christ won for us. Students will learn that they share in this covenant/redemption. They will be introduced to what it means to be a disciple of Christ and what life as a disciple demands.

## **If Jesus is a Jew, Why are We Christians?**

### **How the Church Began and Lives On!**

**10<sup>th</sup> Grade | Semester Course**

**620 - 5 credits**

The students 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. Students will study the Acts of the Apostles and learn the challenges of Discipleship. They 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 about events in the life of the Church, and the sacred nature of the Church.

## **The Principle of Sacramentality: A Theology of Grace**

**11<sup>th</sup> Grade | Semester Course**

**650 - 5 credits**

When asked the question “What is a Sacrament?”, many think of specific Sacraments such as Baptism and Eucharist. This is a beautiful answer, but it is incomplete. What makes a Sacrament a sacrament? This is another question all together and its answer brings to life the depth and beauty of the 7 Sacraments the Catholic Church celebrates as well as her mission. This course explores this question and in doing so invites students into an understanding of God’s Grace in a personal way and how they can, and do, encounter the Love of Christ in any moment. “Because God is everywhere, God must be experienced somewhere and that somewhere can be anywhere.” – Fr. Michael Himes

## **Love as a Virtue: An Introduction to Catholic Morality**

**11<sup>th</sup> Grade | Semester Course**

**650 - 5 credits**

Jesus expresses and lives the greatest commandment, “Love God with all your heart, mind, and soul and Love your neighbor as yourself.” The Goal of Christian morality is the mission of our Faith...Love. The question is what is this Love and how do we become what it is that we seek? This semester’s course explores the Virtuous Love that Jesus offers and invites us into. We explore the philosophical and ethical implications of this reality as well as its practical implications in our relationships with self, others, and God.

## **Social Justice in our World & World Religions**

**12<sup>th</sup> Grade | Semester Course**

**660 - 5 credits**

Students will learn the Catholic Church’s social teaching. Students are to understand how Christ’s concern for others, especially the poor and needy is present today in the Church’s social teaching and mission. Students will also learn and understand how the Catholic Church relates to other religions of the world and Christian denominations.

## **Life’s Vocations: Single, Ordained, Consecrated, and Married**

**12<sup>th</sup> Grade | Semester Course**

**660 - 5 credits**

Students will learn the vocations of life: how Christ calls us to live. Students are to understand how all vocations are similar and how they differ. The course will be structured around single, ordained, consecrated, and married 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)*

**12<sup>th</sup> Grade | Semester Course**

**661 - 5 credits**

Students will learn in a seminar style (active discussion) way, dealing with issues that make us “catholic”, that provide us with our Catholic identity. Issues to be covered and understood will include the continuity of Catholic teaching (Church Councils, Church Fathers, Apostolic Succession, the Pope and the papacy, and development and understanding of the Bible). A historical examination of Jesus in conjunction with the Trinity 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.

## **Introduction to Religion** (*NICC | REL 105*)

**12<sup>th</sup> Grade | Semester Course**

**664 - 3 College Credits | 5 High School Credits**

This course is a topical introduction to the study of religion and explores the human search for the Sacred, Holy, or Ultimate. Through descriptions and analysis of religious expression common to all faith traditions, students will develop an understanding of religion using examples from different religious traditions as well as from literature and philosophy.

## College & Career Readiness

**College and Career Readiness in Iowa:** Iowa students who are college and career ready have acquired the necessary knowledge, skills, and strategies to be successful in post-secondary opportunities as demonstrated through multiple sources of evidence, including those generated by students. Iowa students who are college and career ready have successfully:

1. Achieved proficiency in essential content knowledge
2. Acquired practical transition skills
3. Developed key learning skills and cognitive strategies
4. Built a strong foundation of self-understanding and engagement strategies.

These courses help students acquire the skills necessary to be prepared for post-secondary life.

### Real World Communication

**10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grades | Semester Course**  
**326 - 5 credits**

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, communication 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.

### Introduction to Health Occupations *(articulated course through NICC)*

**10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grades | Spring Semester Course**  
**HSC 110 – 5 credits**

We have partnered with NICC and UnityPoint Health to offer HSC 110 - Intro to Health Occupations. This course is available to 10th-12th grade students and will be offered second semester during 3rd period. The course will contain both a learning and experiential component. Beth Bries, RN Clinical Education Lead at UnityPoint Health, will instruct the course. She will teach the course in-person, on Wahlert's campus, as

well as take students to Unity Point to observe health professionals and tour different departments within the hospital bi-weekly throughout the semester. This is a non-credit bearing course that is articulated through NICC, and cannot be transferred to other institutions. This course is free of charge.

**Course Description:** Orientation to the institutions that comprise our healthcare system. Explores the health care system and the ethical, legal and safety issues influencing and regulating health practice and maintenance. Explores health career pathways in therapeutic, diagnostic, health informatics and support services.

Again, this course will transfer to NICC, but cannot be transferred to other institutions. See the link below that explains this articulation.

<https://www.nicc.edu/admissions/high-school-students/college-credit-for-high-school/articulation-process/>

## **Personal Finance 1**

**10<sup>th</sup> 11<sup>th</sup>, 12<sup>th</sup> Grade | Semester Course**

**149 - 5 credits**

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.

## **Am I Ready?**

**11<sup>th</sup>, 12<sup>th</sup> Grade | Semester Course**

**950 - 5 credits**

This course is the recommended pre-requisite for internships. 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 can 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.

## Faith in Action | Service Learning

11<sup>th</sup>, 12<sup>th</sup> Grade | Semester Course

951 - 5 credits

*\* Teacher approval required for this course.*

A class that is designed to bridge the gap between students, the community, and their faith. In this class students will take an active role in identifying needs in the community and seek to design and implement possible solutions. Students will be the catalyst of each step of the service: outreach, planning, implementation, and reflection. This dynamic class will offer students the opportunity to serve firsthand in different economic, social, and cultural situations and will seek to bring to life Galatians 5:3, “serve one another humbly in love.”

## Foundations of Education (EDU 210)

11<sup>th</sup>, 12<sup>th</sup> Grade | Semester Course

854 - 5 credits

This course provides a basic historical, philosophical, and sociological orientation to the field of American education, including a study of contemporary issues and problems. This is a great option for students interested in pursuing a career in Education. **This is a concurrent course through Northeast Iowa Community College (NICC). This will be taught in-person at Wahlert High School by a Wahlert instructor. The course is free of cost.**

## Internship – Off Campus

12<sup>th</sup> Grade | Semester Course

157 - 5 credits

***Recommended Pre-Requisite: Am I Ready?***

Internships provide real world experience to those looking to explore or gain the relevant knowledge and skills required to enter 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 is 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 teamwork. The internship *is not* a simple job, which requires low level skill expectations. Internships take up two class periods. Students are required to complete an application. Applications can be found in Wahlert’s Guidance Office.

**To learn more about this program, please see Mrs. Lenart in the Counseling Office, or visit: <https://www.holyfamilydbq.org/wchs/counseling/wahlert-internship-program/>**

# Physical Education

## **Fitness for Life (Spin)**

**9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grade | Semester or Year Course**  
**223 - 5, 10 credits**

Fitness for Life will aim at preparing students to navigate fitness after they graduate high school. The course will investigate and navigate popular apps like the Peloton app. This course provides a unique, indoor, group stationary cycling program. Spinning is an efficient, high-energy group exercise that integrates music, and energy. Spinning emphasizes everyone's individual needs, regardless of athletic ability, taught in a group atmosphere. Athlete or non-athlete, this course will offer fun and intense workouts to help you meet your fitness goals.

## **Team & Recreational Sports**

**9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grade | Semester or Year Course**  
**214 – 10 Credits**

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 in competitive physical activities. Conditioning and fitness through various activities will be required.

## **Strength & Conditioning**

**9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grade | Semester or Year Course**  
**219 – 5, 10 credits**

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 exercise to enhance muscular development are included.

## **Health & Fitness**

**9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grade | Semester Course**  
**222 - 5 credits**

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.

## **Self Defense**

**9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grade | Semester or Year Course**  
**239 – 5, 10 credits**

This class is a self-defense course primarily designed for beginners interested in being exposed to differing philosophies in self-defense. The course covers techniques for both standing and ground fighting. The units of study will offer introductions to wrestling, boxing, and jujitsu.

# English

(4 years required)

## Summit Learning Honors Ninth Grade English

9<sup>th</sup> Grade | Year Course

311E – 10 credits

<https://www.summitlearning.org/quest/courses/202756>

## Real World Communication

10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grades | Semester Course

326 - 5 credits

Real World Communication helps students develop an understanding of and appreciation for effective communication in real world situations and environments. Emphasis is placed on various phases of communication including speaking, listening, thinking, responding, writing, non-verbal communication, and utilizing technology for communication. Five English credits will be given to Real World Communication, and therefore the course meets the Oral Communication graduation requirement.

## Summit Learning Honors Sophomore English

10<sup>th</sup> Grade | Year Course

321E - 10 credits

<https://www.summitlearning.org/quest/courses/202769>

## Honors Junior English

11<sup>th</sup> Grade | Year Course

320 - 10 credits

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

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.

## **AP English Language & Composition**

**11<sup>th</sup>, 12<sup>th</sup> Grades | Year Course**

**331 - 10 credits**

***Prerequisite:*** A passing grade in both semesters of 10<sup>th</sup> Grade English

AP Language and 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) argumentative essays, synthesis essays, and rhetorical analysis 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 read a variety of fiction and nonfiction including *The Great Gatsby* and many short works of nonfiction including essays, speeches, letters and articles. This course further emphasizes the development of critical reading skills and analytical writing skills based on close reading of nonfiction. Students will refine their reading and writing skills for 21<sup>st</sup> century competence. In addition, students will cultivate habits of reading, writing, speaking, listening, and thinking that characterize life-long learning and enjoyment.

## **Summit Learning: AP English Language**

**11<sup>th</sup>, 12<sup>th</sup> Grade | Year Course**

**331PL - 10 credits**

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) argumentative essays, synthesis essays, and rhetorical analysis 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 read a variety of fiction and nonfiction including *The Great Gatsby* and many short works of nonfiction including essays, speeches, letters and articles. 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 21<sup>st</sup> century competence. In addition, students will cultivate habits of reading, writing, speaking, listening, and thinking that characterize life-long learning and enjoyment.

<https://www.summitlearning.org/quest/courses/202773>

## **Multicultural Literature**

**11<sup>th</sup>, 12<sup>th</sup> Grade | Year Course**

**351 - 10 credits**

Multicultural Literature is a year long class where students will focus on literature by and about people of diverse ethnic backgrounds with a semester concentration in African American Literature. Students will read, analyze, and discuss literary works in various forms and media written by a variety of races, ethnicities, and backgrounds. The class will strive to gain an understanding and appreciation of different cultures and perspectives through speaking, listening, reading, writing, and sharing their ideas.

## **AP English Literature**

**11<sup>th</sup>, 12<sup>th</sup> Grade | Year Course**

**341 - 10 credits**

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 21<sup>st</sup> century, and to cultivate habits of reading, writing, speaking, listening and critical thinking that characterize life-long learning and enjoyment.

## **Honors Senior English**

**12<sup>th</sup> Grade | Year Course**

**349 - 10 credits**

In Honors 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.

## **College Writing I** (NICC's ENG-105, Composition I)

**12<sup>th</sup> Grade | Semester Course**

**375 - 5 credits** (3 NICC credits)

**Prerequisite:** Entrance test of NICC required OR ACT of 21 in English

\* Course and book fee set by NICC

College Writing I prepares students for types of communication and thought essential to academic and working-world success. The course focuses on writing as a process intended to help students identify and refine their own personal writing process. 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. The course requires each student to compose a minimum of 32 pages of edited work (final products, not drafts). This course will help motivated students polish their personal writing skills before college. Class size is limited and set by Northeast Iowa Community College (NICC).

## **College Writing II** (NICC's ENG-106, Composition II)

**12<sup>th</sup> Grade | Semester Course**

**376 - 5 credits** (3 NICC credits)

**Prerequisite:** Pass College Writing I with at least a 76%

\* Course and book fee set by NICC

College Writing II focuses on writing as a process with emphasis on exposition, persuasion, evaluation, analysis, investigation, and research. The course extends the instruction and practice of College Writing I (College Composition I) to help improve thinking and polish writing skills needed for academic and working-world success. The course requires each student to compose a minimum of 32 pages of edited work (final products, not drafts). This course will help motivated students polish their personal writing skills before college. Class size is limited and set by Northeast Iowa Community College (NICC).

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

### **Mass Communication – Yearbook**

**9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grades | Year Course**

**362 - 10 credits**

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 communicate events visually through photography and verbally through text. They will work as a team to plan, organize, and create the school's yearbook. Additionally, they will practice persuasive speaking techniques when soliciting ads for the financial support of the publication and use 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**

**9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grades | Year Course**

**363 - 10 credits**

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 and use social media to convey information and stories about the school and its community. They also practice persuasive speaking techniques when soliciting ads for the financial support of the publication and use problem-solving and technological skills while striving to communicate their and others' ideas effectively. Additionally, students learn about, appreciate, and practice their rights and responsibilities as citizens of a democracy. This course teaches many of the basic elements of newspaper journalism.

### **Public Speaking (NICC | SPC-112)**

**11<sup>th</sup>, 12<sup>th</sup> Grade | Semester Course (Online)**

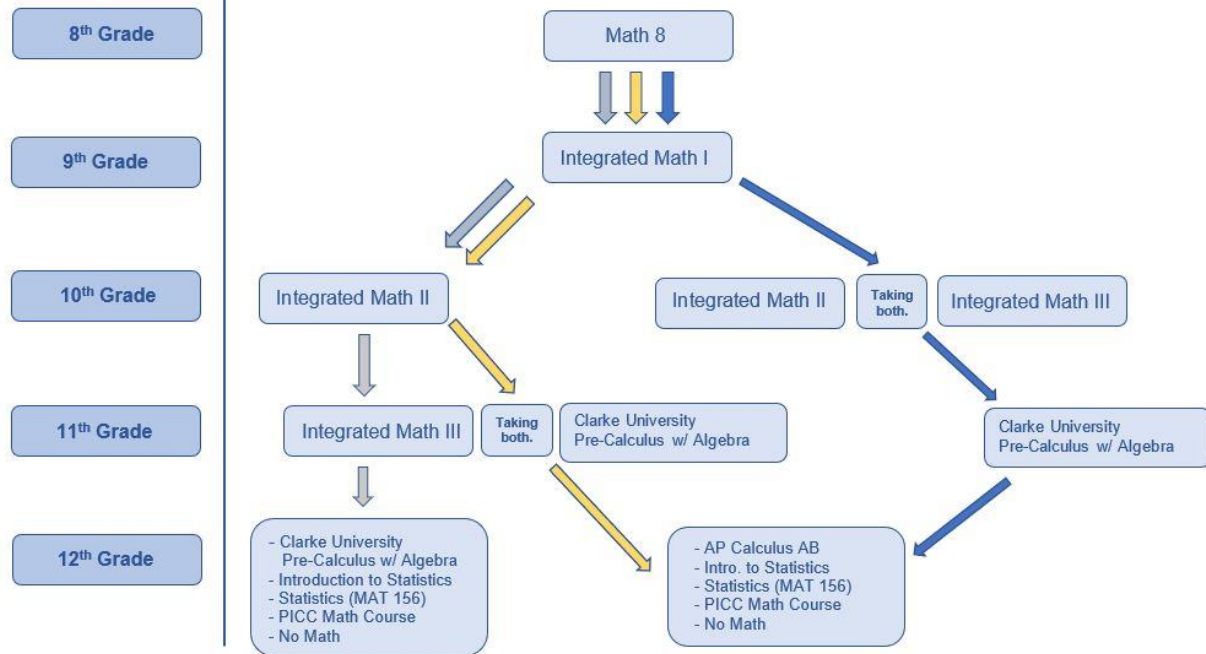
**324 - 5 credits**

Students interested in taking online Public Speaking through Northeast Iowa Community College (NICC) can take the course concurrently. Students will receive both high school and college credit. An introductory course designed to help students develop skills as speakers and critical listeners, increase understanding of the concepts and principles of verbal communication, and become more effective communicators in formal and informational speaking situations. **This course costs approximately \$120.**

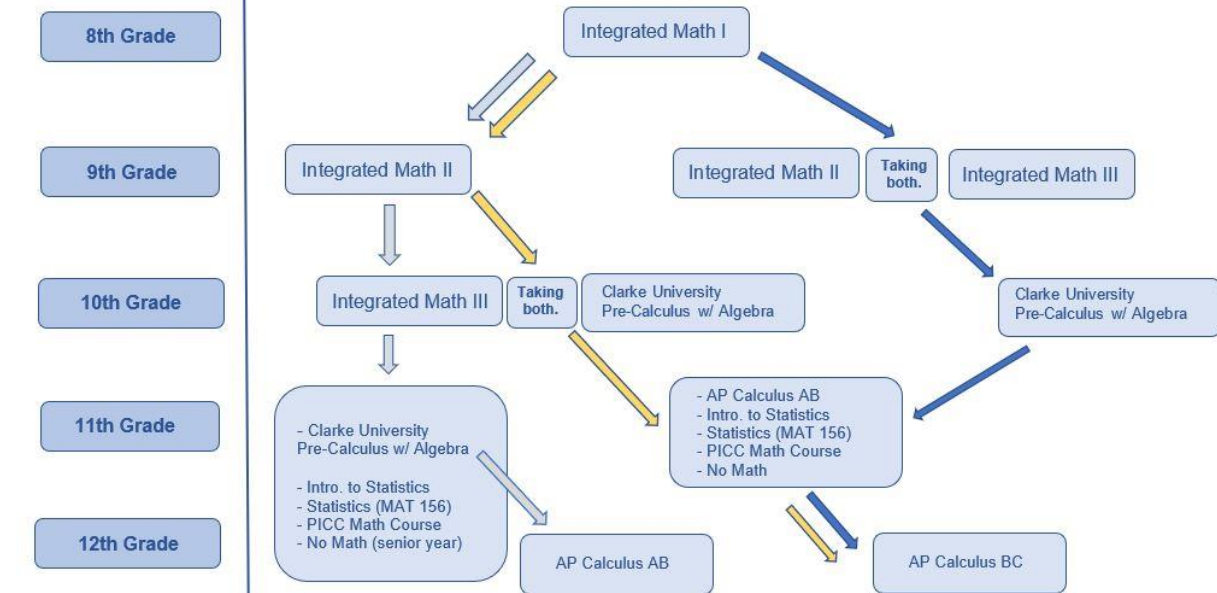
# Mathematics

(3 years required)

## Summit Learning Math Track



## Advanced Summit Learning Math Track



## **Summit Learning Honors Integrated Math I**

**9<sup>th</sup> Grade | Year Course**

**540E - 10 credits**

Integrated Math I is the first of three Summit courses that employ a collaborative approach to the fundamentals of Mathematics. In Math I, students will study various genres of Math. The major Math units in the course include: One-Variable Statistics, Linear Equations, Inequalities & Systems, Two-variable Statistics Functions, Introduction to Exponential Functions, Constructions & Rigid Transformations, and Congruence. <https://www.summitlearning.org/guest/courses/122198>

## **Summit Learning Honors Integrated Math II**

**10<sup>th</sup> Grades | Year Course**

**541PL - 10 credits**

Integrated Math II is the second of three Mathematics courses that employ a collaborative approach to the fundamentals of Mathematics. In Math II, students will continue the study of various genres of Math and build upon the skills acquired in Math I. The major Math units in the course include: Introduction to Quadratic Functions, Quadratic Equations, Complex Numbers & Rational Exponents, Similarity, Right Triangle Trigonometry, Coordinate Geometry, and Conditional Probability. <https://www.summitlearning.org/guest/courses/122204>

## **Summit Learning Honors Integrated Math III**

**11<sup>th</sup> Grade | Year Course**

**542PL - 10 credits**

Integrated Math III is the third and final Mathematics course in the sequence of Math courses that employ a collaborative approach to the fundamentals of Mathematics. In Math III, students will continue the study of various genres of Math and build upon the skills acquired in Math I and Math II. The major Math units in the course include: Sequences & Functions, Polynomials, Exponential Functions & Equations, Transformations of Functions, Circles, Trigonometric Functions, Statistical Inferences, and Solids Geometry. <https://www.summitlearning.org/guest/courses/122214>

## Algebra 2

**10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grades | Year Course**

**530 - 10 credits**

***Prerequisite:*** Algebra 1 and Geometry

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-Calculus

**11<sup>th</sup>, 12<sup>th</sup> Grade | Year Course**

**550 - 10 credits**

***Prerequisite:*** Algebra 2

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 is a B average or better in Algebra 2.

## Pre-Calculus with Algebra (*Clarke University | MATH 117*)

**518 - Year Course**

**3 college credits | 10 high school credits**

***Prerequisite:*** Integrated Math III or Honors Algebra II

*Enrollment based on required teacher recommendation.*

Oriented to preparation for calculus, this course continues the exploration of functions, including algebraic, exponential, and trigonometric functions. Students learn about functions through symbolic, numerical, graphical and verbal techniques. This computer-assisted course utilizes a self-paced learning environment. Motivated students who complete both MATH 090 and MATH 117 in one semester may be eligible to earn 6 credits. This course may not be taken for credit if a grade of C or above was achieved in a higher mathematics course (with the single exception of MATH 220 Statistics). Students must receive a grade of at least C- in this course to enroll in a higher-level math course (with the single exception of MATH 220 Statistics). This course fulfills the university mathematics proficiency requirement. Prerequisites: Three years of high school mathematics or equivalent and appropriate placement.

## **AP Calculus AB**

**11<sup>th</sup>, 12<sup>th</sup> Grade | Year Course**

**561 - 10 credits**

***Pre-requisite:*** Honors Pre-Calculus

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. Because this is essentially a college-level course, students taking Calculus will be expected to spend an average of between one and two 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. 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 Physics course if they intend to take the Advanced Placement calculus exam. 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.

## **AP Calculus BC**

**11<sup>th</sup>, 12<sup>th</sup> Grade | Year Course**

**562 - 10 credits**

***Pre-requisite:*** AP Calculus AB

This is a full-year course in the calculus of functions of a single variable. It includes all topics covered in Calculus AB plus additional topics. Both courses represent college-level mathematics for which most colleges grant advanced placement and credit. The content of Calculus BC is designed to qualify the student for placement and credit in a course that is one course beyond that granted for Calculus AB.

AP Calculus BC is the study of limits, derivatives, definite and indefinite integrals, polynomial approximations and (infinite) series. Though this is considered a study of single-variable calculus, parametric, polar, and vector functions will be studied. Calculus BC covers topics that are usually included in the first 2 semesters of college calculus.

## **Introduction to Statistics**

**11<sup>th</sup>, 12<sup>th</sup> Grade | Semester Course**

**572 - 5 credits**

*This is a high school credit course. We recommend students enroll in this course in the fall and (MAT-156) Statistics through NICC in the spring.*

Statistics is a way of reasoning, along with a collection of tools and methods, designed to help us understand the world. This is an introductory course in statistics. Students are introduced to the fundamental concepts involved in using sample data to make inferences about populations. Included are exploring and understanding data, the relationships between variables, gathering data and understanding randomness and probability. Topics discussed include displaying and describing data, the normal curve, linear regression and probability with applications in the real world.

## **Statistics (NICC | MAT 156)**

**11<sup>th</sup>, 12<sup>th</sup> Grade | Semester Course (Online)**

**5 High School Credits | 3 College Credits**

This online course introduces the basic methods of statistical reasoning to help develop the ability to summarize data, interpret data, and draw conclusions based on the data.

## Science

- Three years required.
- Four-year college-bound students must complete three years of science, including **at least two of these three subject areas**: Biology, Chemistry, and Physics.

### Summit Learning Honors Biology

9<sup>th</sup> Grade | Year Course

721E - 10 credits

<https://www.summitlearning.org/quest/courses/202761>

### Summit Learning Honors Physics

10<sup>th</sup> Grade | Year Course

750PL - 10 credits

<https://www.summitlearning.org/quest/courses/202764>

### Summit Learning Honors Chemistry

11<sup>th</sup> Grade | Year Course

731PL - 10 credits

[summitlearning.org/quest/courses/202772](https://www.summitlearning.org/quest/courses/202772)

### AP Biology

11<sup>th</sup>, 12<sup>th</sup> Grades | Year Course

725 - 10 credits

Pre-requisite: Honors Biology and Honors Chemistry

***\*Offered on a rotating basis.***

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.**

## AP Chemistry

11<sup>th</sup>, 12<sup>th</sup> Grade | Year Course

732 - 10 credits

*Prerequisite: Honors Chemistry*

***\*Offered on a rotating basis.***

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 to 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.

## Honors Physics

11<sup>th</sup>, 12<sup>th</sup> Grade | Year Course

761 - 10 credits

*Prerequisite: Geometry completed with a C or better.*

Physics 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 1 – Algebra Based

11<sup>th</sup>, 12<sup>th</sup> Grade | Year Course

761 - 10 credits

*Prerequisite: Honors Physics*

***\*Offered on a rotating basis.***

AP Physics 1 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of physics through inquiry-based investigations as they explore these topics: kinematics, dynamics, circular motion and gravitation, energy, momentum, simple harmonic motion, torque and rotational motion, electric charge and electric force, DC circuits, and mechanical waves and sound

## **Honors Anatomy and Physiology**

**11<sup>th</sup>, 12<sup>th</sup> Grade | Year Course**

**770 - 10 credits**

Honors 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**

**11<sup>th</sup>, 12<sup>th</sup> Grade | Year Course**

**765 - 10 credits**

This course is ideal for students that are interested in their surroundings and interactions with other organisms and the environment. This is a project-based class that requires the student(s) to complete research and scientific inquiry.

Environmental science is a branch of science that studies the environment(s) in which organisms, from a one-celled amoeba to humans, live and interact with their surroundings. 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 look at how these environmental issues impact your everyday life and the community, both the school and Dubuque community.

## **Astronomy/Meteorology**

**11<sup>th</sup>, 12<sup>th</sup> Grade | Semester Course**

**741- 5 credits**

In this course we will explore space and learn more about our Solar System's functions, moon phases, and what is beyond our Solar System's atmosphere. Then, we will be meteorologists as we begin predicting weather based upon temperature, pressure, and climate indicators.

## Urban Agriculture Enterprises

10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> | Semester Course

5, 10 credits

Prerequisite: Biology

**Students choose one of the following course strands:** Agriculture Research, Agriculture Business/Marketing, or Agriculture Construction/Engineering.

### Course Numbers

- Agriculture Research: 767
- Agriculture Business/Marketing: 153
- Agriculture Construction/Engineering: 768

The Urban Agriculture Enterprises class is designed to empower students to engage in local food systems in a way that interests them. This class has three strands: Ag. Research, Business/Marketing, or Construction. Students can specialize in the strand that best fits their interest, while still learning about their local food system, and engage in meaningful progress toward building a Holy Family CSA. This experience will strengthen a student's understanding of the food system, applications of their interest in Ag careers, as well as connecting them directly with farmers/food entrepreneurs in the community. Students will also build their interpersonal and communication skills by working with others, communicating with clients/peers, along with presenting the outcome of their semester work to local stakeholders.

## Project Lead the Way

For more information on PLTW courses and potential college credit, please click or go to the following link: <https://www.pltw.org/experience-pltw/student-opportunities>

## Project Lead the Way (PLTW): Principles of Biomedical Sciences (PBS)

9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grade | Year Course

771 - 10 credits

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 9<sup>th</sup> or 10<sup>th</sup> grade students.

## Social Studies

- Three 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 to graduate.

### Summit Learning Honors Modern World I

9<sup>th</sup> Grade | Year Course

805E- 10 credits

<https://www.summitlearning.org/quest/courses/202755>

### Summit Learning AP World History

10<sup>th</sup> Grade | Year Course

801PL- 10 credits

*\* This course is taught on the Summit platform.*

In AP World History: Modern, students investigate significant events, individuals, developments, and processes from 1200 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change over time. The course provides six themes that students explore throughout the course in order to make connections among historical developments in different times and places: humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation.

<https://www.summitlearning.org/quest/courses/202767>

## Summit Learning AP U.S. History

11<sup>th</sup> Grade | Year Course

831PL- 10 credits

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.

<https://www.summitlearning.org/guest/courses/202774>

## Honors United States History

11<sup>th</sup>, 12<sup>th</sup> Grade | Year Course

832 - 10 credits

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, 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 US History

11<sup>th</sup>, 12<sup>th</sup> Grade | Year Course

831 - 10 credits

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

10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grade | Semester Course

847 - 5 credits

***This is a high school level course. College credit is not given for this course.***

Psychology is the scientific study of mind and behavior. It focuses on how humans interact within each society. The study of psychology helps you understand yourself and other people by learning about aspects of human behavior. It can help develop

sound analytical skills through the application of scientific method. This class begins with the history of psychology and will explore human behavior, vision, sleep, learning, memory, intelligence, and psychological disorders.

### **Introduction to Psychology (NICC | PSY 111)**

**11<sup>th</sup>, 12<sup>th</sup> Grade | Semester Course (Online)**

**5 High School Credits | 3 College Credits**

**Recommended Pre-Requisite:** *high school level Psychology*

This online NICC course is a survey of psychology including theoretical and experimental findings and applications from areas such as physiological learning, memory, personality, social, abnormal, and therapy, and health psychology. **Cost of this course is approximately \$120, plus the cost of the textbook(s).**

### **Sociology**

**10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grade | Semester Course**

**846 – 5 credits**

Sociology seeks to make the familiar strange. It is the scientific study of social behavior. It focuses on how external dynamics have influenced human behavior. Sociology can help us look more objectively at our society and other societies, while helping us better understand ourselves and the motivations of others around us. The class will challenge your preconceived notions about many different topics. We will explore social inequality and recognize how social change takes place. The class will introduce potentially controversial topics such as poverty, race, gender, and sex.

### **Honors U.S. Government**

**12<sup>th</sup> Grade | Semester Course**

**853 - 5 credits**

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: registration to vote, participation in the Youth in Government Program, and experience citizenship in action. This course is required for graduation.

**AP U.S. Government**  
**12<sup>th</sup> Grade | Year Course**  
**851 - 10 credits**

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 an interest in careers such as diplomatic relations, political science, interpreters, all fields of communication and government-related fields should find this course beneficial. This course ends with the Advanced Placement examination in May.

# World Languages

The World Languages Department includes studies in Spanish. 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 (Spanish Immersion Program), or having developed fluency through another means, can take a competency exam to determine appropriate placement in our grade level courses.

## Iowa Regent School's Foreign Language Requirements

### University of Iowa

<https://admissions.uiowa.edu/apply/how-apply/first-year-admissions>

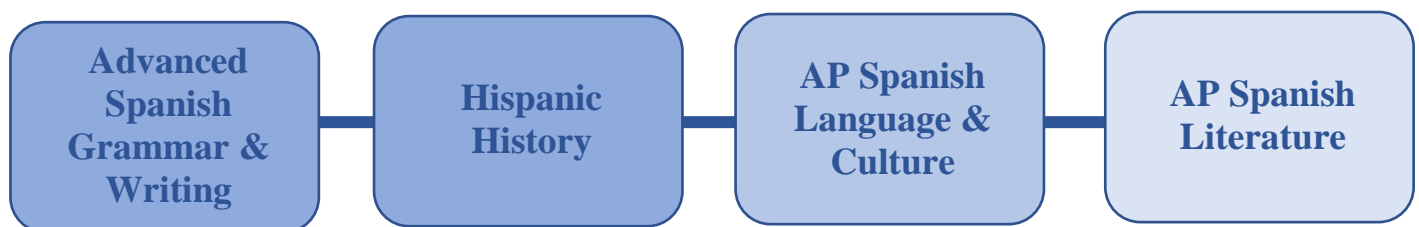
### University of Northern Iowa

<https://admissions.uni.edu/apply/rai-score-requirements>

### Iowa State University

<https://www.admissions.iastate.edu/freshman/requirements>

## Spanish Immersion Program



## **Honors Spanish 1**

**9<sup>th</sup> Grade | Year Course**

**425 - 10 credits**

***Prerequisite:*** Recommendation of previous language teacher(s)

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.

## **Honors Spanish 2**

**10<sup>th</sup> Grade | Year Course**

**426 - 10 credits**

***Prerequisite:*** Honors Spanish 1, or with teacher recommendation

Honors Spanish 2 is a continuation of the development of 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.

## **Honors Spanish 3**

**11<sup>th</sup>, 12<sup>th</sup> Grade | Year Course**

**427 - 10 credits**

***Prerequisite:*** Honors Spanish 2, or with teacher recommendation

Honors Spanish 3 is a continuation of the development of 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.

## **Honors Spanish 4**

**12<sup>th</sup> Grade | Year Course**

**443 - 10 credits**

***Prerequisite:*** Spanish 3 or Honors Spanish 3

Honors 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.

## **Advanced Spanish Grammar and Writing**

**9<sup>th</sup> Grade | Year Course**

**429 - 10 credits**

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.

## **Hispanic History**

**10<sup>th</sup> Grade | Year Course**

**432 - 10 credits**

***Prerequisite:*** Recommendation of previous language teacher(s)

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.

## **AP Spanish Language and Culture**

**11<sup>th</sup> Grade | Year Course**

**430 - 10 credits**

***Prerequisite:*** Hispanic History

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.

## **AP Spanish Literature**

**12<sup>th</sup> Grade | Year Course**

**440 - 10 credits**

***Prerequisite:*** *AP Spanish Language and Culture*

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.

# Fine Arts Department | Art

**The mission of Wahlert Catholic High School's 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**

**9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grades | Semester Course**  
**011 – 5 credits**

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

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

### **Drawing**

**9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grades | Semester Course**  
**037 – 5 credits**

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

Students will develop the fundamentals of drawing as well as the elements of art and principles of design. Skills are reinforced with attention to conceptual ideas and creative problem solving. Areas of study may include 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.

## **Painting**

**9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grades | Semester Course**

**035 – 5 credits**

**Pre-requisite:** *Intro. to Art or Drawing*

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.

## **3D Art Studio**

**9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grades | Semester Course**

**041 – 5 Credits**

**Pre-requisite:** *Intro. to Art or Drawing*

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.

## **Advanced Painting (CBE)**

**10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grades | Semester Course**

**036CBE – 5 Credits**

**Pre-requisite:** *Intro. to Art, Painting*

This advanced painting course explores color, composition, and expression in the medium of paint. The elements and principles of design are utilized in addition to color theory to impress an understanding of successful art. Students will further develop and expand their skills needed for creating successful and meaningful paintings through the creation of multiple artworks. Composition, observation, and rendering skills will be emphasized as students explore a range of painting media and are introduced to oil paints. The structure of the class will consist of guided and independent exercises, class projects, individual/group discussion, and critiques. Students will produce a working portfolio by the end of the semester, consisting of 5 or more works of high quality demonstrating proficiency in both watercolor and acrylics. Along with each work, students will provide an artist statement that reflects their thought process and intentions behind the artwork.

## Advanced 2D

**10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grades | Semester Course**

**046 - 5 Credits**

**Pre-requisite:** *Introduction to Art or Drawing, and Painting*

This course involves planning, design and construction of a variety of two-dimensional projects. Students will explore drawing and painting and higher level 2D media that are not explored in the entry art courses. This course is designed to further develop their painting and drawing skills and expose students to media such as charcoal, more in depth painting techniques. They will be challenged to develop concepts and ideas based on personal experience and exploration of subject matter of their own interest. Students must take Drawing 1 and Painting, or Intro to Art and Painting or a combination of all three in order to take this course.

## Digital Art Courses

### Intro to Digital Photography

**9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grades | Semester Course**

**055 – 5 Credits**

**Prerequisite:** *Introduction to Art or Drawing. This is a prerequisite for all Digital Art courses.*

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 and Adobe Lightroom.

### Advanced Digital Photo

**10, 11, 12<sup>th</sup> Grades | Semester Course**

**045 - 5 credits**

**Pre-requisite:** *Introduction to Digital Photography*

Advanced Digital Photography builds on techniques learned in Intro to Digital Photography and affords students the opportunity to further develop and refine their technical and aesthetic skills. Projects are more open-ended and students are encouraged to develop their own styles as they create a portfolio of work.

## Graphic Design | Art & Design Methods (DMS 105)

**11<sup>th</sup>, 12<sup>th</sup> Grade | Semester Course**  
**023 – 3 college credits | 5 high school credits**  
***Pre-requisite: Digital Photography***

*Credit awarded through Clarke University. Students must qualify for this course, per PSEO guidelines.*

We have partnered with Clarke University to offer DMS 105. This is an entry level course into Clarke's Digital Media Studies program. The course is an online hybrid course through Clarke University. Wahlert's art instructor supports Clarke's curriculum implementation.

This introductory level course is designed to help students gain proficiency with interdisciplinary art and design practice and familiarity of basic digital tools. Students will investigate and develop all aspects of the creative problem-solving process through the use of both digital and non-digital technologies. The course emphasizes the importance of professional presentation, craft, and contemporary issues related to art, society, and culture. Principles and elements of design are reinforced through compositional organization, conceptual development, visual aesthetics, and narrative structures. Students will develop a familiarity with traditional media as well as digital editing of vector-based, raster-based imagery and new media through a variety of creative challenges.

**Clarke University Digital Media Studies program**  
<https://www.clarke.edu/academics/digital-media-studies/>

## **Graphic Design | Form & Communication (DMS 230)**

**11<sup>th</sup>, 12<sup>th</sup> Grade | Semester Course**  
**230 – 3 college credits | 5 high school credits**  
***Pre-requisite: Art & Design Methods (DMS-105) or teacher recommendation***

*Credit awarded through Clarke University. Students must qualify for this course, per PSEO guidelines.*

We have partnered with Clarke University to offer DMS 230. This is an entry level course into Clarke's Digital Media Studies program. The course is an online hybrid course through Clarke University. Wahlert's art instructor supports Clarke's curriculum implementation.

The relationship of form and communication in graphic design is explored through theoretical and applied projects. This entry-level graphic design course provides the opportunity to refine basic skills in visual communication through the exploration and implementation of design principles to solve various design problems. Process-driven exercises serve to provide familiarity with new observational information, terminology, and the development of a clear, personal point of view. Prerequisite: DMS 105 or consent

## Textile Design

9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grade | Semester Course

015 - 5 credits

*Pre-requisite: Introduction to Art and/or Digital Photography*

Textile Design 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 function manner such as pillow design, pendant lamps, garments, wallpaper, gift wrap, furniture design, etc.

## Digital Design Academy (NICC)

NICC has put together a cluster of courses available to high school students interested in the area of digital design. These courses are designed for high school students only to receive college credit while in high school. **These PICC courses are free of cost to those who qualify. Students who take these courses will be off campus during 5<sup>th</sup>, 6<sup>th</sup>, 7<sup>th</sup>, and 8<sup>th</sup> class periods.** [Click here to view a flyer with further information.](#)

To register for these courses, students must have the following form completed and returned to Wahlert's Counseling Office.

- [PICC Registration Form](#)
- [Dubuque Community School District New Student Enrollment Form](#)

## Illustrator (NICC | GRA 129)

3 College Credits | 5 High School Credits

Spring Semester | Tuesdays & Thursdays, 1:00 p.m. – 3:00 p.m.

*This course is taught in-person on NICC's Peosta campus.*

Students learn and practice the many tools, techniques, and capabilities of Adobe Illustrator through creation of graphic illustrations, as well as vocabulary and navigation specific to an object-based drawing program. **Students are responsible for their own transportation to and from this course.**

### **PhotoShop (NICC | GRA 139)**

**3 College Credits | 5 High School Credits**

**Fall Semester | Mondays & Wednesdays, 1:00 p.m. – 3:00 p.m.**

*This course is taught in-person on NICC's Peosta campus.*

Practical knowledge on basic operating issues with Adobe PhotoShop. Directed practice focuses on learning the tools, menus, palettes, processes, and filters involved with simple to moderate imaging manipulation using PhotoShop. **Students are responsible for their own transportation to and from this course.**

### **Web Design (NICC | GRA 151)**

**3 College Credits | 5 High School Credits**

**Spring Semester | Mondays & Wednesdays, 1:00 p.m. – 3:00 p.m.**

*This course is taught in-person on NICC's Peosta campus.*

Introduces the basics of Web page creation and maintenance. Uses software products and HTML editors to aid Web designers in developing and maintaining Web pages. Focuses on the planning and designing attractive and easily navigated Websites. Stresses good screen layout and design principles. Taught with emphasis on the client when developing Websites. **Students are responsible for their own transportation to and from this course.**

### **Publication Software (NICC | GRA 179 )**

**3 College Credits | 5 High School Credits**

**Fall Semester | Tuesdays & Thursdays, 1:00 p.m. – 3:00 p.m.**

*This course is taught in-person on NICC's Peosta campus.*

An overview of publication design concepts through hands-on exercises. Covers basic word processing and typographical conventions, page layout elements that streamline production, advanced procedures when working with boxes and procedures for creating or formatting long documents. **Students are responsible for their own transportation to and from this course.**

## Fine Arts Department | Music

The music department recognizes the importance of music in developing a student's self-esteem and 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.

### 9<sup>th</sup> & 10<sup>th</sup> Chorus

9<sup>th</sup>, 10<sup>th</sup> Grade | Year Course

083 - 10 credits

This choir studies vocal production through choral music. 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 sign different styles of music and practice appropriate behavior while participating in large groups. The 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 this choir provides social interaction for each student as well as proper personal attributes such as responsibility and self-discipline.

### Concert Choir

11<sup>th</sup>, 12<sup>th</sup> Grade | Year Course

075 - 10 credits

Concert Choir is a non-auditioned mixed choral ensemble and is made of students in grades 11-12. The Concert Choir course integrates advanced elements of auditory, vocal, kinesthetic, and aesthetic dimensions of choral music through analysis, rehearsal and performance. Particular attention will be paid to ensemble participation in the context of rehearsal and performance. Students participate in four performances through the school year. These include the Sacred Concert, Christmas Concert, Pops Concert, and Spring Concert. Application of music theory regarding literature being studied, and balance and blend. Students learn to cooperate with one another and develop a proper attitude and responsibility.

## **Chamber Choir**

**10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grade | Year Course**

**089 - 10 credits**

**Pre-Requisite:** Selection from Audition

This choir provides a challenging vocal experience for the more advanced vocal student. Students build on concepts taught in previous musical experiences. A Cappella Choir not only performs during the Sacred Concert, Christmas Concert and Spring Concerts, but is also called upon repeatedly to sing before various community organizations. This group may take part in the state solo/ensemble contest and is often used for Mass at Wahlert.

## **Concert Band**

**9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grade | Year Course**

**065 - 10 credits**

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.

## **Guitar Ensemble**

**9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grade | Semester Course**

**058 - 5 credits**

This ensemble will study guitar theory, history, mechanics, reading, and 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 firsthand.

## **Orchestra**

**9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grade | Year Course**

**088 - 10 credits**

Orchestra is offered to all 9th-12th grade students who play violin, viola, cello, or string bass. Beginners are always welcome. Students will learn to develop an appreciation of music, build skills for efficient practicing, follow a conductor, and increase music literacy - including music reading, recognizing articulations and musical styles, and understanding musical terms. Emphasis will also be placed on exposing each student to

a variety of performing experiences and music in which to apply these skills. Participation is required for concerts.

## **Musical Theatre**

**9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grade | Semester Course**  
**084 - 5 credits**

This course will give students an opportunity to analyze and learn about music through performance and study of musical theater. This course is a broad overview of the history, styles, works, and artists of the musical theater genre. Students will study the work of the actors/singers/dancers and use this study to inform their performances in solo and group settings. There will also be a look at the audition process as well as providing background on musical theater history and repertoire. Both theoretical and practical in study, this course covers basic music theater performing, vocal production techniques, movement and blocking, and music theory.

## **AP Music Theory**

**11<sup>th</sup>, 12<sup>th</sup> Grade | Year Course**  
**085 - 10 credits**

The Music Theory course is designed to enhance music skills and basic music fundamentals. The essential aspects of melody, harmony, rhythm, and form are studied. Throughout the course of the year students will study basic notation, scales, key signatures, intervals, triads, cadences, non-chord tones, form, part-writing and analysis of a score. Aural dictation and ear training are also an integral part of the course and will be taught throughout the year. Individual creativity is nurtured through both rhythmic and melodic composition.

## **Roots of Rap**

**9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grade | Semester Course**  
**086 - 5 credits**

What made Notorious B.I.G. so popular? Where did Tupac's artistry come from? What influenced many of Childish Gambino's biggest hits and albums? Where does rap and hip hop come from? The 2 biggest genres of music didn't just appear out of thin air. Rap and hip-hop artists stem from a long history of American-born music dating all the way back to the early 1900s when *blues* first made its way into the mainstream during WWI.

This class is a genre study in today's modern rap and hip-hop themes and artists as well as a dive into jazz and blues music that ultimately set the world up for rap and hip hop. These genres are some of the only American-born styles of music, and none of them would exist without jazz.

Not only will the class focus on the musical ideas that morphed and shaped what we hear on the radio today, but it will also look into cultural influences in film; some of these films include, *Soul* and *Thelonious Monk: Straight, No Chaser*; literature; books including *Ma Rainey's Black Bottom* and *Blues People*; and other media such as Childish Gambino's album *Because the Internet*.

# Business

## Accounting 1

**9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grade | Semester Course**

**143 - 5 credits**

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

**9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grade | Semester Course**

**144 – 5 credits**

Accounting 2 expands information from the first-year course. Accounting 2 focuses on accounting for a corporation. Inventory, Depreciation, Accruals, Paying Dividends, and Uncollectible Accounts are the topics covered in this advanced course. This course also introduces the role that payroll plays in accounting. Students interested in majoring in accounting or any business field in college are encouraged to take this course.

## Personal Finance 1

**10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grade | Semester Course**

**149 - 5 credits**

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 about saving, investing, retirement/college funding, debt/credit management, budgeting, checking accounts, insurance, taxes, and mortgages.

## Biz Innovator

11<sup>th</sup>, 12<sup>th</sup> Grade | Semester Course  
151 - 5 credits

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

**\* College credit can be earned through The University of Iowa.**

<https://jacobsoninstitute.org/bizinnovator?fuseaction=app.credit>

## AP Macroeconomics

11<sup>th</sup>, 12<sup>th</sup> Grade | Spring Semester Course  
839 - 5 credits

AP Macroeconomics is a college-level course that introduces students to the principles that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price-level determination. It also develops students' familiarity with economic performance measure, the financial sector, stabilization policies, economic growth, and international economics. Students can learn to use graphs, charts, and data to analyze, describe, and explain economic concepts.

# NICC Business Academy (Online)

NICC has courses available to high school students interested in the area of business. These are not a sequence of courses. Students may participate in any that meet their post-secondary needs. **These PICC courses are free of cost to those who qualify.**

To register for these courses, students must have the following form completed and returned to Wahlert's Counseling Office.

- [PICC Registration Form](#)
- [Dubuque Community School District New Student Enrollment Form](#)

## **Introduction to Business (NICC | BUS 102)**

**3 College Credits | 5 High School Credits**

*This is an online course offered through NICC.*

The student will be exposed to contemporary American business in relation to the many facets of the business world, including ethics, human resources, marketing functions, production, finance, and types of business organizations.

## **Principles of Management (NICC | MGT 101)**

**3 College Credits | 5 High School Credits**

*This is an online course offered through NICC.*

A study of basic factors in the work environment that affect managerial decision making. Emphasis is placed on the four functions of management as well as a discussion of managerial ethics and social responsibility.

## **Principles of Macroeconomics (NICC | ECN 120)**

**3 College Credits | 5 High School Credits**

*This is an online course offered through NICC.*

This course provides students with the information essential to an understanding of the economic forces at work in our global society: the market system, supply and demand, gross national product, gross domestic product, the banking system, fiscal and monetary policy, international trade, and various economic systems employed throughout the world.

# STEM Courses

## Principles of Engineering – Project Lead the Way (PLTW)

9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grade | Year Course

250 - 10 credits

**Prerequisite:** Completed or currently enrolled in Geometry

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.

For more information on **Project Lead the Way (PLTW)** courses and potential college credit, [please click here](#).

## Aerospace Engineering – Project Lead the Way (PLTW)

9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grade | Year Course

250 - 10 credits

**Prerequisite:** Completed or currently enrolled in Geometry

Aerospace Engineering ignites students' learning in the fundamentals of atmospheric and space flight. Aerospace Engineering is one of the specialization courses in the PLTW Engineering program. The course deepens the skills and knowledge of an engineering student within the context of atmospheric and space flight. Students explore the fundamentals of flight in air and space as they bring the concepts to life by designing and testing components related to flight such as an airfoil, propulsion system, and a rocket. They learn orbital mechanics concepts and apply these by creating models using industry standard software. They also apply aerospace concepts to alternative applications such as wind turbines and parachutes. Students simulate a progression of operations to explore a planet, including creating a map of the terrain with a model satellite and using the map to execute a mission using an autonomous robot.

## Introduction to Robotics

**9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grade | Semester Course**

**260 - 5 credits**

This course will introduce the field of robotics while helping students to explore some of the technology that robots rely upon. Students will connect their interest in science, technology, engineering, and mathematics (STEM) subjects to career opportunities within a wide range of fields. This introduction provides students with activities that progress into challenges that will require effective use of resources and creative problem-solving to complete. Students will use the REV Class Bot design. Students will be expected to work effectively both individually and collaboratively, and will be expected to comprehensively document their learning, production, and overall progress through the content with an engineering notebook.

## Advanced Robotics

**9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grade | Semester Course**

**261 - 5 credits**

***Prerequisite:*** *Introduction to Robotics*

This course is essentially an independent study within the field of robotics. After completion of the Introduction course, students can apply to continue their work within this area with instructor approval. Students will continue to utilize project-based learning to develop content relevant to their academic interests and will continue to comprehensively document their progress. This course can be repeated.

## AP Computer Science Principles

**9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grade | Year Course**

**913 - 10 credits**

***Prerequisite:*** *Algebra I & Integrated Science (students do not need to be a “programmer” to take this course.)*

Computing affects almost all aspects of modern life, and all students deserve an education that prepares them to pursue the wide array of opportunities that computing has made possible. This course seeks to provide knowledge and skills to meaningfully participate in our increasingly digital society, economy, and culture.

Computer Science Principles (CSP) curriculum is a full-year, rigorous, entry-level course that introduces high school students to the foundations of modern computing. The course covers a broad range of foundational topics such as programming, algorithms, the Internet, big data, digital privacy and security, and the societal impacts of computing. All teacher and student materials are provided for free online and can be accessed at [code.org/csp](https://code.org/csp).

This is an AP endorsed course where students can earn college credit by satisfactorily passing the AP test (70 multiple choice) and completing the Performance Task (PT). Students submit their coding solution for the PT with video explanation and written responses.

## **Computer Science Discoveries**

**9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grade | Semester Course**

**914 - 5 credits**

CS Discoveries is an introductory computer science course that empowers students to create authentic artifacts and engage with computer science as a medium for creativity, communication, problem solving, and fun. Units of study: Unit 1 Problem Solving and Computing, Unit 2 Web Development, Unit 3 Interactive Animations and Games, Unit 7 AI and Machine Learning, and physical computing with Playground Circuits. All teacher and student materials are provided for free online and can be accessed at

[code.org/csp](https://code.org/csp).

## **AP Computer Science A (Javascript)**

**10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grade | Year Course**

**566 - 10 credits**

*\* Students do not need to be a “programmer” to take this course. This course is recommended to take AP Computer Science Principles.*

AP Computer Science A introduces students to computer science through programming. Fundamental topics in this course include the design of solutions to problems, the use of data structures to organize large sets of data, the development and implementation of algorithms to process data and discover new information, the analysis of potential solutions, and the ethical and social implications of computing systems. The course emphasizes object-oriented programming and design using the Java programming language.

This is an AP endorsed course where students can earn college credit by satisfactorily passing the AP test (40 multiple choice) and completing 4 free response questions. All teacher and student materials are provided for free online and can be accessed at

[code.org](https://code.org)

**Computer Aided Drafting/ NICC CAD 104 Computer Aided Drafting**  
**9th, 10th, 11th, 12th | Spring Semester Course with additional hours**  
**(possibly during J-Term)**  
**567 - 5 Credits (3 NICC Credits)**

This course provides students with an introduction to two-dimensional computer-aided design (CAD). This software is used in various career fields, such as: engineering, design, music production, art curator, video game design, architecture, business, communication, science and technology, installation, repair, maintenance, biomedical engineering, and many others. Students will use industry-leading software, Autodesk AutoCAD, to create a variety of mechanical and architectural drawings. The course uses an exercise-intensive approach to cover topics found on the Autodesk AutoCAD Certified User exam. The goal is that students will have a solid foundation of the program to allow them to further build their skills in advanced CAD and rendering and animation.

# Academic Strategies

## Academic Strategies

**9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grade | Semester or Year Course**

**992 – 5, 10 credits**

### ***Administrative Placement Only.***

This course is designed for students with identified learning differences in particular content area(s). The Strategy teacher works with the students to identify individual learning styles, strengths, and weaknesses. With targeted instruction in areas of need, students learn strategies and skills to improve academic performance in content classes. Students track their progress by monitoring their grades with an emphasis on executive functioning skills. Strategy teacher works closely with the content area teacher(s) to ensure the student is successful in assigned courses.

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

## Foundations of an Eagle

**9th Grade (S1) | Semester Course**

**993 - 5 credits**

### ***Per Administrative Approval***

This is an optional course for freshman students to serve as a transition to Wahlert High School. It has a strong emphasis working with the Habits of Success, to build a foundation to prepare students for success at the high school level. 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...**

- How to succeed in high school
- Academic four-year plan
- College, career and social/emotional counseling
- Computer technology (PowerSchool, Google Docs, Google Classroom, etc.)
- Student activities and athletics
- Wahlert code of conduct and procedures
- Study and organizational skills
- Time management
- Opportunity to work with other freshmen in a small group setting.

# NICC | Manufacturing/CNC Academy

NICC has put together a cluster of courses available to high school students interested in the area of manufacturing/CNC. These courses are designed for high school students only to receive college credit while in high school. These courses are offered on NICC's Peosta campus. These are not a sequence of courses. Students may participate in any that meet their post-secondary needs. **These PICC courses are free of cost to those who qualify. The courses listed below will take place on NICC's Peosta campus. Students will earn a CNC Career Pathway Certificate upon course completion. Students who take these courses will be off campus during 5<sup>th</sup>, 6<sup>th</sup>, 7<sup>th</sup>, and 8<sup>th</sup> class periods.**

To register for these courses, students must have the following form completed and returned to Wahler's Counseling Office.

- [PICC Registration Form](#)
- [Dubuque Community School District New Student Enrollment Form](#)

## 3D Modeling and Programming (NICC | MFG 149)

10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grades

2 College Credits | 5 High School Credits

Spring Semester at NICC | Monday – Thursday, 1:30 p.m. – 3:30 p.m.

*This course is offered in-person and on NICC's Peosta campus.*

During this course students will be introduced to computer aided drafting through the Solidworks software. Students will create 3 dimensional models and blueprints. Students will also advance their Mastercam skills by learning how to program 3 dimensional parts for CNC mills. **Students are responsible for their own transportation to and from this course.**

## Introduction to CNC (NICC | MFG 182)

5 College Credits | 5 High School Credits

Fall Semester at NICC | Monday – Thursday, 1:30 p.m. – 3:30 p.m.

*This course is offered in-person and on NICC's Peosta campus.*

During this course students will learn the history of CNC, the skills needed to work in industry, and how to work safely in industry. Students will be introduced to machining math, print reading, different CNC machines/tools and CNC programming. During this

course, students will obtain a Snap-on Certification for Precision measurement.  
**Students are responsible for their own transportation to and from this course.**

**This ends the course descriptions for each department at Wahlert Catholic High School.**

If there is a course you are interested in, but do not see listed, please contact Wahlert's Counseling Office at (563) 583-9771 or email [klenart@holyfamilydbq.org](mailto:klenart@holyfamilydbq.org).

**Examples of additional course ideas could include (but are not limited to) ...**

- Marine Biology
- Fundamentals of Welding
- Automotive courses
- Architectural Design
- Woodworking
- Metals
- Aviation courses
- Calculus III

## Wahlert Catholic High School | Course List, Grade 9

### Theology Department

#	Course Title	Credits
610	What is the Bible?	5
610	Who is Jesus?	5

### Physical Education Department

214	Team & Recreational Sports	5
219	Strength & Conditioning	5
222	Health & Fitness	5
223	Fitness for Life: Spin	5
239	Self Defense	5

### English Department

311E	Honors English 9	10
362	Mass Comm. 1 - Yearbook	10
363	Mass Comm. 2 - Newspaper	10

### Math Department

540E	Honors Integrated Math I	10
541PL	Honors Integrated Math II	10
542PL	Honors Integrated Math III	10

### Science Department

721E	Honors Biology	10
771	Principles of Biomedical Science	10

### Social Studies Department

805E	Honors Modern World I	10
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### World Language Department

425	Honors Spanish I	10
429	Advanced Spanish Grammar & Writing	10

### Art Department

011	Introduction to Art (pre-requisite)	5
037	Drawing (pre-requisite)	5
035	Painting	5
041	3D Art Studio	5
055	Digital Photo	5
015	Textile Design	5

### Music Department

065	Concert Band	10
083	9/10 Chorus	10
086	Roots of Rap	5
088	Orchestra	10
058	Guitar Ensemble	5

### Business Department

143	Accounting I	5
144	Accounting II	5

### Computer Science Department

250	Principles of Engineering	10
260	Introduction to Robotics	5
914	Computer Science Discoveries	5
913	AP Computer Science Principles	10
261	Advanced Robotics	10

### Academic Strategies

990	Academic Strategies *	10
993	Foundations of an Eagle (S1)	5

\* Administrative placement only.

If there is a course you are interested in, but do not see listed, please reach out to Wahlert's Counseling Office at (563) 583-9771 or email [klenart@holyfamilydbq.org](mailto:klenart@holyfamilydbq.org).

# Wahlert Catholic High School | Course List, Grade 10

## Theology Department

#	Course Title	Credits
620	Jesus: Fulfillment of The Covenant	5
620	Why Are We Called Christians?	5

## Physical Education Department

219	Strength & Conditioning	5, 10
222	Health & Fitness	5, 10
214	Team & Recreational Sports	5, 10
223	Fitness for Life (Spin)	5, 10
239	Self-Defense	5

## English Department

321	Honors Sophomore English	10
326	Real World Communication	5
362	Mass Comm. 1 – Yearbook	10
363	Mass Comm. 2 – Newspaper	10

## Math Department

540E	Honors Integrated Math I	10
541PL	Honors Integrated Math II	10
542PL	Honors Integrated Math III	10
518	Pre-Calculus with Algebra (MAT 117)	10

## Science Department

750PL	Honors Physics	10
771	Principles of Biomedical Science	10

## Social Studies Department

846	Sociology	5
801PL	AP World History	10
847	Psychology	5

## World Language Department

426	Honors Spanish II	10
432	Hispanic History & Cultures	10

## Art Department

011	Introduction to Art (Pre-requisite)	5
037	Drawing (Pre-requisite)	5
035	Painting	5
036CBE	Advanced Painting (CBE)	5
041	3D Art Studio 1	5
055	Digital Photo	5
046	Advanced 2D	5
021	Art & Design Methods (DMS 105   PSEO)	5
230	Form & Communication (DMS 230   PSEO)	5
015	Textile Design	5

## Music Department

089	Chamber Choir ( <i>audition required</i> )	10
065	Concert Band	10
083	9/10 Chorus	10
086	Roots of Rap	5
088	Orchestra	10
058	Guitar Ensemble	5

## Computer Science Department

250	Principles of Engineering	10
260	Introduction to Robotics	5
913	AP Computer Science Principles	10
566	AP Computer Science A	10
250	Aerospace Engineering	10
914	Computer Science Discoveries	5
567	Computer Aided Drafting (CAD 104)	5

## Business Department

143	Accounting I	5
144	Accounting II	5
149	Personal Finance	5

## Academic Strategies

990	Academic Strategies *	10
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\* Administrative placement only.

# Wahlert Catholic High School | Course List, Grades 11

## Theology Department

#	Course Title	Credits
650	Principles of Sacramentality	5
650	Catholic Morality	5

## Physical Education Department

219	Strength & Conditioning	5, 10
222	Health & Fitness	5, 10
214	Team & Recreational Sports	5, 10
223	Fitness for Life (Spin)	5, 10
239	Self-Defense	5

## English Department

331	AP English Language	10
341	AP English Literature	10
362	Mass Comm. 1 – Yearbook	10
363	Mass Comm. 2 – Newspaper	10
351	Multicultural Literature	10

## Math Department

530	Algebra 2	10
550	Pre-Calculus	10
561	AP Calculus AB	10
562	AP Calculus BC	10
572	Introduction to Statistics	5
518	Pre-Calculus with Algebra (MAT 117)	10
573	Statistics (MAT 156) NICC, online	5

## Summit Learning Courses

331PL	AP English Language	10
341PL	AP English Literature	10
731PL	Honors Chemistry	10
831PL	AP US History	10
542PL	Honors Integrated Math III	10

## Social Studies Department

832	Honors US History	10
831	AP US History	10
846	Sociology	5
847	Psychology	5

## Science Department

750	Honors Physics	10
732	AP Chemistry	10
767	Urban Agriculture Enterprises   Agricultural Research	5, 10
153	Urban Agriculture Enterprises   Business/Marketing	5, 10
768	Urban Agriculture Enterprises   Construction/Engineering	5, 10
770	Honors Anatomy & Physiology	10
771	Principles of Biomedical Science	10
741	Astronomy/Meteorology	10
765	Environmental Science	10
725	AP Biology	10

## Music Department

086	Roots of Rap	5
065	Concert Band	10
075	Concert Choir	10
089	Chamber Choir ( <i>audition required</i> )	10
084	Musical Theatre	5
085	AP Music Theory	10
088	Orchestra	10
058	Guitar Ensemble	5

## World Language Department

427	Honors Spanish III	10
430	AP Spanish Language	10

## Art Department

011	Introduction to Art (Pre-requisite)	5
037	Drawing (Pre-requisite)	5
035	Painting	5
036CBE	Advanced Painting (CBE)	5
046	Advanced 2D	5
041	3D Art Studio 1 / Advanced	5
055	Digital Photo	5
021	Art & Design Methods (DMS 105)	5
230	Form & Communication (DMS 230)	5
015	Textile Design	5

## Wahlert Catholic High School | Course List, Grades 11 (continued)

### Business Department

#	Course Title	Credits
143	Accounting I	5
144	Accounting II	5
149	Personal Finance	5
151	Biz Innovator	5
839	AP Macroeconomics	5

### Online Concurrent Options

354	Public Speaking (SPC 112) *	5
	Statistics (MAT 156) *	5
	Introduction to Psychology (PSY 111) *	5

\* 3 college credits per class

### Computer Science Department

250	Principles of Engineering	10
260	Introduction to Robotics	5
913	AP Computer Science Principles	10
566	AP Computer Science A	10
250	Aerospace Engineering	10
914	Computer Science Discoveries	5
567	Computer Aided Drafting (CAD 104)	5

### Business Academy (Online) | NICC

	Introduction to Business (BUS 102)*	5
	Princ. of Management (MGT 101)*	5
	Princ. of Macroeconomics (ECN 120)*	5

\* 3 college credits per class

### Academic Strategies

990	Academic Strategies *	10
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\* Administrative placement only.

### College & Career Readiness

950	Am I Ready?	5
920	College Release *	5
940	College Release Online *	5
951	Faith in Action   Service Learning	5
854	Foundations of Education (EDU 210)	5

\* Students can start taking college courses through our local colleges starting Junior year. Students can choose to take courses either on a college's campus or online. Common courses include: Public Speaking, Cultural Diversity/Identity, Statistics, Introduction to Psychology, Fundamentals of Welding, and others. See [Wahlert's College Credit webpage](#) for further details.

### Digital Design Academy (On Campus at NICC)

	Illustrator (GRA 129)*	5
	PhotoShop (GRA 139)*	5
	Web Design (GRA 151)*	5
	Publication Software (GRA 179)*	5

\* 3 college credits per class

### Manufacturing/CNC Academy (On Campus at NICC)

	3D Modeling & Programming (MFG 149)*	5
	Introduction to CNC (MFG 182)*	5

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# Wahlert Catholic High School | Course List, Grades 12

## Theology Department

#	Course Title	Credits
660	Social Justice & World Religions	5
660	Life's Vocations	5
661	Why Am I Catholic?	5
664	Introduction to Religion (REL 105)	5

## Physical Education Department

219	Strength & Conditioning	5, 10
214	Team & Recreational Sports	5, 10
222	Health & Fitness	5, 10
223	Fitness for Life (Spin)	5, 10
239	Self-Defense	5

## English Department

349	Honors Senior English	10
331	AP English Language	10
341	AP English Literature	10
362	Mass Comm. 1 – Yearbook	10
363	Mass Comm. 2 – Newspaper	10
351	Multicultural Literature	10
375	College Writing I (ENG-105) *	10
376	College Writing II (ENG 106) *	10
324	Public Speaking (SPC 112) *	5

\* Dual Credit Course through NICC (fee required)

## Math Department

530	Algebra 2	10
550	Pre-Calculus	10
552	Calculus	10
561	AP Calculus AB	10
562	AP Calculus BC	10
572	Introduction to Statistics	5
518	Pre-Calculus with Algebra (MAT 117)	10
573	Statistics (MAT 156) NICC, online	5

## Social Studies Department

853	Honors Government	5
851	AP Government	10
846	Sociology	5
847	Psychology	5

## Science Department

750	Honors Physics	10
732	AP Chemistry	10
767	Urban Agriculture Enterprises   Agricultural Research	5, 10
153	Urban Agriculture Enterprises   Business/Marketing	5, 10
768	Urban Agriculture Enterprises   Construction/Engineering	5, 10
770	Honors Anatomy & Physiology	10
771	Principles of Biomedical Science	10
741	Astronomy/Meteorology	10
765	Environmental Science	10
725	AP Biology	10

## World Language Department

443	Honors Spanish 4	10
440	AP Spanish Literature	10

## Art Department

011	Introduction to Art (Pre-requisite)	5
037	Drawing (Pre-requisite)	5
035	Painting	5
036CBE	Advanced Painting (CBE)	5
046	Advanced 2D	5
041	3D Art Studio 1 / Advanced	5
055	Digital Photo	5
021	Art & Design Methods (DMS 105)	5
230	Form & Communication (DMS 230)	5
015	Textile Design	5

## Music Department

086	Roots of Rap	5
065	Concert Band	10
075	Concert Choir	10
089	Chamber Choir ( <i>audition required</i> )	10
084	Musical Theatre	5
085	AP Music Theory	10
088	Orchestra	10
058	Guitar Ensemble	5

# Wahlert Catholic High School | Course List, Grades 12 (continued)

## **Business Department**

143	Accounting I	5
144	Accounting II	5
149	Personal Finance	5
151	Biz Innovator	5
839	AP Macroeconomics	5

## **Computer Science Department**

250	Principles of Engineering	10
260	Introduction to Robotics	5
913	AP Computer Science Principles	10
566	AP Computer Science A	10
250	Aerospace Engineering	10
914	Computer Science Discoveries	5
567	Computer Aided Drafting (CAD 104)	5

## **Academic Strategies**

990	Academic Strategies *	10
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\* Administrative placement only.

## **Online Concurrent Options**

324	Public Speaking (SPC 112) *	5
573	Statistics (MAT 156) **	5
	Introduction to Psychology (PSY 111) *	5

\* 3 college credits per class

\*\* Taught by NICC instructor taught on campus twice a week.

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## **College & Career Readiness**

950	Am I Ready?	5
157	Internship, Off Campus **	5
920	College Release *	5
940	College Release Online *	5
951	Faith in Action   Service Learning	5
854	Foundations of Education (EDU 210)	5

\* Students can start taking college courses through our local colleges starting Junior year. Students can choose to take courses either on a college's campus or online. Common courses include: Public Speaking, Cultural Diversity/Identity, Statistics, Introduction to Psychology, Fundamentals of Welding, and others. See [Wahlert's College Credit webpage](#) for further details

## **Business Academy (Online) | NICC**

	Introduction to Business (BUS 102)*	5
	Princ. of Management (MGT 101)*	5
	Princ. of Macroeconomics (ECN 120)*	5

\* 3 college credits per class

## **Digital Design Academy (On Campus at NICC)**

	Illustrator (GRA 129)*	5
	PhotoShop (GRA 139)*	5
	Web Design (GRA 151)*	5
	Publication Software (GRA 179)*	5

\* 3 college credits per class

## **Manufacturing/CNC Academy (On Campus at NICC)**

	3D Modeling & Programming (MFG 149)*	5
	Introduction to CNC (MFG 182)*	5

\* 3 college credits per class