CENTRAL CATHOLIC
PITTSBURGH
EST. 1927

Course Catalog 2026–2027

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Scheduling Basics

Incoming Freshmen

Initial 9th grade courses are determined by the results of the High School Placement Test (HSPT) that is taken as part of the application process. For students that would like to be considered for Honors or AP level courses, but do not meet the minimum HSPT scores, additional testing can be taken in May of the 8th grade year. Instructions on how to select courses and additional Honors/ Advanced tests are included in the Acceptance Packet. Incoming 9th graders will receive their course placements in summer prior to the start of 9th grade. This Course Catalogue serves as an overview of the scope and sequence of the curriculum at Central Catholic High School.

Transfer Students

Transfer students will be placed in courses in accordance with their high school transcripts, records, recommendations, and the transferring student's input with regard to preferences and academic pursuits. This process will take place after the student is officially accepted and enrolled for the new school year.

Continuing Students

The course registration process will begin during the 3rd quarter for all currently enrolled students. Subject teachers will recommend core classes for the following year based on a student's performance in the current course as well as any prerequisites. Following the teacher recommendation period, students will meet on an individual basis with their assigned counselor to review the course recommendations.

If a student feels strongly about registering for a course that he was not recommended, the students should meet with the teacher directly to discuss the recommendation. A Course Waiver form is available with the counselors for these situations and must be signed by the teacher, counselor, and Vice Principal of Academics. Course Waiver forms must be turned into the Vice Principal of Academics to be kept on file for future reference. It should be advised that the teachers are the experts in the classroom and their recommendations are in the best interest of the students.

Students will request elective courses directly in the scheduling portal of PowerSchool on a specific day during homeroom. This will be communicated with all students during their grade level course registration meetings that occur during the third quarter.

It should be noted that the selection of specific courses does not guarantee that the student will receive these courses on his schedule. Course availability is dependent on interest from the student body, individual course schedules, capacity, and staffing. If scheduling conflicts arise, students will be contacted through their school-assigned e-mail addresses from the Vice Principal of Academics. Students who do not reply to school outreach regarding scheduling conflicts will automatically have course selections chosen for them.

Scheduling Changes

The course selection process should be taken seriously. Any changes made after the last day of the current school year will require administrative approval. The academic schedule that a student receives during their orientation day at the beginning of the academic year will be considered final.

Dropping or adding courses after the start of the academic year is permitted only under the following circumstances:

- student is misplaced
- lacks necessary pre-requisites for the class
- school/computer error
- extenuating circumstances (i.e. medical, family)

Course change requests can be initiated by the teacher, student, parent, or school counselor within the **first ten school days of the semester**. Students must complete a schedule change request form and submit it to the Vice Principal of Academics. Any course change requests received after these deadlines will not be accepted. Students who are struggling in classes should communicate with their individual teacher and request assistance either from the teacher, the IU, or from Academic Support.

Questions regarding a student's academic placement should be directed to the Vice Principal for Academics or the assigned counselor.

Graduation Requirements

In order to receive a diploma from Central Catholic, students must earn 26 credits of passing work. During the Freshman year students will take 7 credits. In the Sophomore year, students will take 7 credits while during the Junior and Senior years, students will take 6.0 credits.

Course	Credits	Course	Credits
English	4	World Language	2
Mathematics	4	Health/Physical Education	1
Religion	4	Fine Arts	.5
History & Social Studies	3	Personal Finance*	.5
Science	3	Electives	6.0

Below is a sample of the course requirements for each grade level. Juniors and Seniors with fewer than 7 credits will be placed in a Study Hall.

Freshman	Sophomore	Junior	Senior
English	English	English	English
Religion	Religion	Religion	Religion
Math	Math	Math	Math
History	History	History	Elective
Biology	Chemistry	Science	Elective
World Language	World Language	Elective	Elective
Elective / Elective	Health / Elective	Lunch	Lunch
Lunch	Lunch		
7 credits	**7 credits**	**6 credits**	**6 credits**

*Effective in the 2026-2027 school year, all Pennsylvania schools are required to implement a mandatory Personal Finance course that all students must complete before graduating from high school. Beginning with the Freshman class of 2026-2027, students will be required to take Personal Finance. The first graduating class required to have Personal Finance on their transcripts is the class of 2030.

Course Weighting

The following are descriptions of the course levels offered at Central. Each level has a set weight that calculates into a student's weighted GPA. See the following page for details regarding each academic scale.

4.0

Courses identified with a weight of 4.0 are college preparatory in nature and are a part of a comprehensive curriculum that is offered as an option in all content areas to students in grades 9-12. These courses are designed to prepare a student for college upon graduation by challenging him within the required program of studies. If a student wishes to move to a higher level, he must fulfill the prerequisites described in each course description within this course catalogue.

4.5

4.5 weighted courses are most often designated as Honors courses and are more rigorous than 4.0 courses. The explanation and requirements can be found in the forthcoming pages, according to department. Acceptances into Honors courses at the ninth-grade level are dependent upon a standardized test scores and Honors/Advanced placement exams.

5.0

Courses that are weighted on the 5.0 scale are college-level courses. Many of these courses are Advanced Placement (AP) courses that are approved by the College Board and subject to syllabus review every three to five years. **Students who register for AP courses are required to take the AP Exam in May of each year**. The College Board sets the exam schedule and fee. The Vice Principal of Academics and the teacher of the AP course will provide specific information on AP course registration, exam date, and fee to the student. Those courses that are weighted as 5.0, but not AP classes are weighted as such based on the rigor and content of the individual course. In most cases, these courses require department approval and/or have strict grade prerequisites.

Academic Grading Scale

The Academic Grading Scale will be adjusted as of the 2026-2027 school year. All freshman and sophomore classes will use the following weighted GPA scale for their courses.

Letter Grade	Numerical Range	4.0	4.5	5.0
A	96-100%	4.0	4.5	5.0
A-	93-95%	3.67	4.17	4.67
B+	90-92%	3.33	3.83	4.33
B	87-89%	3.0	3.5	4.0
B-	85-86%	2.67	3.17	3.67
C+	82-84%	2.33	2.83	3.33
C	78-81%	2.0	2.5	3.0
C-	75-77%	1.67	2.17	2.67
D+	73-74%	1.33	1.83	2.33
D	70-72%	1.0	1.5	2.0
F	60-68%	0	0	0

The rising juniors and seniors will continue with the weighted GPA scale that has been in place since their freshman year. Any sophomore in a junior or senior level class will use the GPA scale above to calculate their Weighted GPA.

Unweighted GPA is based on the 4.0 scale.

CC/OC Collaboration

In an ongoing effort to collaborate in various ways, Central Catholic High School and Oakland Catholic High School make certain courses available to students from both schools in a limited capacity. Only Juniors and Seniors are eligible to register for these select courses, with the exception of Band, which is open to students in all grades. As electives, these courses cannot serve as substitutions for the core curriculum of either school. Descriptions of the classes can be found in this catalogue under the appropriate academic department. Below is a list of shared course offerings:

Courses taught at Central Catholic but offered to Oakland Catholic:

Computer Aided Design, 3D Modeling, and CNC
Engineering I
Honors Band
AP Computer Science
Accounting I

Courses taught at Oakland Catholic but offered to Central Catholic:

Intermediate College French
AP French

Business

Course Name	Number	Weight	Semester	Credits
Accounting I	7001	4.0	One	.5

Accounting is the language and mechanics of business. This course introduces the fundamental theories, principles, and applications of accounting through the realm of enterprise. Students will attain an advanced functional awareness of economic value, dynamics of financial transactions and reporting, the financial markets, taxation and, Generally Accepted Accounting Principles (GAAP). Presentations, interactive assignments and collaborative projects will promote proficiency in the function of many accounting procedures such as posting of transactions, journal entries, preparation of financial statements, the accounting cycle, cost accounting, business development, procurement of capital, and ethics. An appreciation will be gained of the array of career opportunities for those attaining licensure as a Certified Public Accountant. The class concludes with an immersive virtual stock exchange competition. Academic material will be presented in a fashion to engender success, not only in the subject matter, but also other meaningful pursuits.

Course Name	Number	Weight	Semester	Credits
Personal Finance	7002	4.0	One	.5

In this finance course, learn what it takes to understand the world of finance and make informed decisions about managing finances. Whether learning more about economics or becoming more confident in setting and reaching financial goals, this course will develop the core skills to be successful. Learn how to open bank accounts, invest money apply for loans, explore careers, create a spending plan, prepare a budget, make decisions about major purchases and more.

Course Name	Number	Weight	Semester	Credits
Strategic Leadership & Teambuilding	7003	4.0	One	.5

Strategic Leadership & Teambuilding is designed to enable students first to cultivate an awareness, then master fundamental theories, principles and applications of effective leadership. The class will entail an examination of economic, ethical, legal and social responsibilities of those who must make and implement challenging decisions and manage others who do. Student teams will actively collaborate to develop and execute strategic leadership skills and techniques utilized by those aspiring to be "Men of Action." Opportunities will be presented for meaningful interaction with graduates of Central Catholic who have attained leadership roles in the region, nation and world.

Course Name	Number	Weight	Semester	Credits
Honors Law & Ethics	7004	4.5	One	.5

New Title!

Curriculum of this College Equivalent course is designed to enable sincere students to comprehend an awareness, then attain a mastery of fundamental theories and principles of law, as well as the structure and procedures of the judicial system – both State and Federal. Students will participate in an analysis of the purpose, historical evolution and current dynamics of our Nation's legal system. Presentations, interaction, writing assignments and examination of landmark cases (i.e.

judicial precedent) will promote a proficiency of 1) basic doctrines of Tort Law including legal duty/breach/causation/loss; 2) tenets of Contract Law including their nature, elements, function, formation, interpretation, discharge, and remedies for breach thereof; and, 3) Constitutional operation. Students will develop analytical and reasoning skills to better identify "issues" and solutions to legal disputes and enhance an overall understanding of the role of law. To promote robust advocacy skills, legitimate expressions of dissent are encouraged. The class concludes with an immersive Mock Trial. Academic material will be presented in a fashion to engender success, not only in the subject matter, but also other meaningful pursuits.

Course Name	New Course!	Number	Weight	Semester	Credits
AP Business with Personal Finance		7005	5.0	Both	1

AP Business with Personal Finance is a college-level course that introduces students to core business principles and essential personal financial skills. Students explore entrepreneurship, markets, budgeting, investing, credit, and financial decision-making through real-world applications and case studies. The course emphasizes critical thinking, ethical reasoning, and financial literacy to prepare students for college and life beyond high school.

Engineering & Innovation

Course Name	Number	Weight	Semester	Credits
Introduction to Engineering Technology	8001	4.0	Both	.5

In upper-level engineering courses, students are expected to independently design, build, and test prototypes, proof-of-concepts, and final products. To do so effectively, students must be proficient with a range of tools, technologies, and software. This introductory course provides foundational training in the equipment and applications used throughout the Engineering & Innovation program. Students gain hands-on experience with hand, power, and shop tools; CAD and 3D modeling; 3D printing; CNC design and machining; and laser engraving for both 2D and 3D design. The course is designed to familiarize students with the full range of resources available in the STEM building, allowing them to apply these skills confidently and independently in advanced engineering courses.

This course is a prerequisite for all other courses in the Engineering & Innovation Department. If not taken freshman year, it must be taken before any other follow-on courses are taken.

Course Name	Number	Weight	Semester	Credits
Experiential Engineering	8002	4.0	One	.5

Ancient civilizations created complex works of architecture using fundamental math and physics skills coupled with a hands-on approach to design and implementation. That approach is still applicable today as the need for expedient and short-term solutions that work and are safe are preferable in some instances to the perfect solution that takes more time to develop and implement. This course is a hands-on project-based introduction to engineering and the engineering design process. A formal presentation is required at the completion of a major group project. Assessment emphasizes team-work and successful completion of projects.

This course cannot be taken with Engineering I and cannot be taken if Engineering I has already been taken.

Course Name	Number	Weight	Semester	Credits
Principles of Robotics	8003	4.0	One	.5

This course gives students an introduction into robotics and computer science and is ideal for students looking to further pursue courses or an eventual career in the robotics or associated fields. Computer science has many branches (software development, networking, cyber-security, data mining, game development, simulation, computer engineering, etc.), however students will start by learning basic level programming. Students use a robotics platform and development environment in a hands-on, collaborative approach to program robots to complete the objectives of various challenges. Students gain an understanding of hardware systems and software components. The use of mathematics is vital to a person's success in the computer programming and engineering worlds and will be a focus of this course. This course is for students of all ability levels with robotics and computer science backgrounds.

Course Name	Number	Weight	Semester	Credits
Computer Aided Design, 3D Modeling, and CNC	8004	4.0	One	.5

This hands-on engineering course introduces students to the engineering design process, including planning, design, prototyping, testing, and redesign. Students use professional-level tools and technologies to create and refine solutions, gaining experience with computer-aided design (CAD), 3D modeling, and 3D printing using Autodesk Inventor. The course also introduces modern machining and manufacturing through CNC design and milling with industry-standard software and equipment. Through project-based learning and iterative design challenges, students develop practical engineering skills and apply the full design process from concept to production.

Course Name	Number	Weight	Semester	Credits
Engineering I	8005	4.5	One	.5

Modern societies are possible in part due to a complex and reliable infrastructure that is able to support large numbers of people living and working near each other. Engineers are the inventors, developers and maintainers of that infrastructure, and math is one of the foundations upon which engineering rests.

This course is made up of two components. The first is a semester-long sequence of study that includes right-triangle trigonometry, vector analysis, strength of materials, bridge design concepts, forces in equilibrium, and bridge structural analysis. The second component of the course is project focused in which students work in groups to apply the engineering design process to design, build and test solutions to various design challenges. Writing project design reports and creating PowerPoint presentations summarizing the project is also a component of completing the design challenge projects. Some project work will require meeting outside of class to complete by the required deadline.

Prerequisite: 85% or higher in Honors Algebra I or 80% or higher in Honors Algebra II.

This course cannot be taken with Experiential Engineering and cannot be taken if Experiential Engineering has already been taken.

Course Name	New Title!	Number	Weight	Semester	Credits
Exploring Programming and Electronics Design		8006	4.5	One	.5

So much of modern technology is a result of computer programming/computer science and software engineering integrated with electronics and hardware engineering. As the modern digital world continues to expand and evolve, future engineers and engineering projects will need solutions combining both hardware and software.

In this course, students develop an understanding and skills in the areas of electronics electronic circuits, computer programming in C++ and the integration of the two to complete hands-on projects and design challenges. To accomplish this, students use the Arduino Integrated Development Environment (IDE) and Arduino UNO development board to learn and explore concepts of computer programming, electronic circuits and circuit components, electronic "breadboarding" and prototyping, circuit schematics and design simulation and test. Arduino is an

open-source microcontroller development platform and is used to implement the "brains" of the projects and design challenges in the course. Students use the circuit design tools in Tinkercad to design and implement hardware/circuit solutions, write the software program and simulate and test the design prior to physically building and testing it. Assessments include design projects, quizzes and tests.

Prerequisites: Engineering I OR Experiential Engineering

Course Name	New Course!	Number	Weight	Semester	Credits
Engineering Disasters & Root Cause Investigation		8007	4.0	One	.5

Throughout modern history, there have been numerous examples of tragic events "labeled" as engineering disasters. The Challenger space shuttle explosion, the multiple instances of Boeing 737 MAX airplane crashes, the Chernobyl nuclear power plan explosion and the Deep-Water Horizon oil spill More recently, to name a few. Also, locally and more recent, was collapse of the Fern Hollow Bridge in Frick Park.

To label an event as an "engineering disaster" provides a certain connotation and paints a certain picture as to the reason, who is to blame and puts the ethical behavior of the engineering profession into question. A bad space shuttle design caused the Challenger to explode, an inexperienced/ poorly trained pilot was the cause of the Boeing 737 MAX crashes, radiation poured out of the Chernobyl plant because of operator error, etc. However, often the true cause takes the removal of initial bias and some additional analysis and investigation to uncover.

In this course, students will analyze some of these engineering disasters as case studies from different angles and perspectives to ultimately determine "who was responsible, why and how?". In doing so, students will also study the engineering, political and bureaucratic ethics of these events.

Engineering Institute

Students apply to this program during the winter of their freshman year. Once accepted, students can be enrolled in the following courses.

Course Name	Number	Weight	Semester	Credits
Engineering I of the Engineering Institute	8011	4.5	One	.5

Engineering I for the EICC Program is the first of three required EICC courses and is taken during Sophomore year. In this course, students are introduced to what the engineering design process is and the tasks performed during and the outputs of each step in the process. Students will explore each step in the design process as they work in teams to complete engineering design challenges.

The engineering disciplines focused on in this course are Civil and Environmental Engineering, Industrial Engineering and Mechanical Engineering. Exposure to these engineering disciplines is through a combination of guest speakers, company and university visits, independent student research and related coursework and projects.

Prerequisite: 85% or higher in Honors Algebra I or 80% or higher in Honors Algebra II. Student is to have been accepted into the EICC Program.

Course Name	Number	Weight	Semester	Credits
Engineeering II of the Engineering Institute	8012	4.5	One	.5

Engineering II for the EICC Program is the second of three required courses and is taken during junior year. Students extend their knowledge and use of the engineering design process and apply it in the areas of computer programming (software) and electronics (hardware) by engineering a design solution that integrates the two.

Students use the Arduino Integrated Development Environment (IDE) and the Arduino UNO development board to learn the concepts of computer programming in C++, electronic circuits and circuit components, electronic "breadboarding" and prototyping, circuit schematics, design, simulation and testing. Students complete individual projects and assignments to build these necessary skills. Students then work in teams to complete various engineering design challenges. The engineering design process is applied as each team designs, develops, simulates, builds and tests a solution that uses the Arduino UNO as the "brains" of the design.

Prerequisite: Engineering I of the Engineering Institute

Course Name	Number	Weight	Semester	Credits
Engineering III of the Engineering Institute	8013	4.5	One	.5

Engineering III for the EICC Program is the last of the three required courses and is taken during senior year. This is the EICC capstone course in which students complete the engineering design project they selected as part of Engineering II.

Students develop a detailed plan and baseline schedule that outlines the full scope of their project, the major milestones as well as any risks in completing on time. In working on their engineering design projects, students follow, in detail, the phases of the engineering design process (Ask, Research, Imagine, Plan, Create, Test and Improve) that was used for the projects in both Engineering I and Engineering II. This class is student-centered and student-driven with the instructor and EICC mentor providing help, feedback and monitoring throughout the project.

At the completion of the course, students present their projects to the EICC directors, administrators and other EICC students.

Prerequisite: Engineering II of the Engineering Institute

English

Maintain Honors/AP Level	85% in current course
Move UP 1 Level	95% in current course

Freshman Year

Course Name		Number	Weight	Semester	Credits
English I	New Title!	1011	4.0	Both	1.0

This course introduces students to literature and language as a means of understanding human dignity, injustice, and moral responsibility. Featuring works such as A Raisin in the Sun, Night, Just Mercy, in addition to classic and canonical texts such as works by William Shakespeare and Beowulf, students will take a closer look at how individuals and societies respond to oppression, power, and ethics. Students will focus on critical reading and writing, discussion, and grow in both empathy and awareness.

Course Name		Number	Weight	Semester	Credits
Honors English I	New Title!	1012	4.5	Both	1.0

A more accelerated version of English One, students will explore literature that challenged readers to see the world. Focusing on many of the same texts as in English One, students will have a heavier emphasis on both analytical and critical writing and thinking and will question and confront injustice throughout the works. Students will hone their own voices and find voices within the stories and texts to focus on social awareness and the marginalized to better understand the world around us.

Sophomore Year

Course Name		Number	Weight	Semester	Credits
English II	New Title!	1021	4.0	Both	1.0

This course will examine how literature exposes, critiques, and challenges systems of power and the corruption they pose. Examining works like Taming of the Shrew, Animal Farm, and All Quiet on the Western Front, students will analyze how authority shapes the ideal, identity, suppresses truth, and challenges resistance. A multi-genre and worldly view of literature affords students the chance to see this corruption across international lines, with a focus on propaganda techniques, war, and injustice through critical reading, analytical writing, and argumentation.

Course Name	Number	Weight	Semester	Credits
Honors English II	1022	4.5	Both	1.0

New Title!

A more accelerated version of English Two, students will face questions of authority, injustice, and inequality from the perspective of international literature. Focusing on many of the same texts as seen in English Two, students will also delve deeper into the literary and analytical skills associated with research writing and critique. Students will focus on developing research skills and will continue to refine their voices through discussion, critical reflection, and writing.

Course Name	Number	Weight	Semester	Credits
AP Seminar	1023	5.0	Both	1.0

New Course!

AP Seminar is a rigorous, discussion-based English course that develops students' abilities to read closely, think critically, research effectively, and communicate persuasively. Designed for motivate sophomores, the course emphasizes the analysis of complex texts from a variety of disciplines—including literature, nonfiction, media, and visual sources—while strengthening foundational skills in argumentation, writing, and presentation.

Students learn to investigate real-world issues by formulating research questions, evaluating the credibility of sources, and synthesizing evidence from multiple perspectives. Through collaborative inquiry and independent research, students produce analytical and argumentative essays, multimedia presentations, and oral defenses that reflect college-level expectations. Students are required to take the AP Exam in May.

Junior Year

Course Name	Number	Weight	Semester	Credits
American Literature	1031	4.0	Both	1.0

This junior level course will explore how writers have shaped, challenged, and refined the American story and voice. Looking into texts from the beginning of the nation, up until the modern and post-modern, students will both read and analyze speeches, essays, poetry, and drama to better understand the colonial beginnings to the present. Themes of race, injustice, identity, and tensions between the American ideal and American reality will be discussed in a thought-provoking manner in class discussions. The research component of the course will challenge students to think critically, analytically, and creatively to focus on an American author of their choosing to dive into and develop a research-based essay about said American author.

Course Name	Number	Weight	Semester	Credits
AP Language & Composition	1032	5.0	Both	1.0

AP Language and Composition is a Rhetoric and Composition course that is aligned with the College Board's AP Language and Composition Exam. Students will learn how to evaluate a given text's goals, messages, and arguments in light of its era of origin, author, intended audience, implicit or explicit purpose, and subject matter, among other factors. Students will be challenged to make

use of deep analysis and close reading to explain how and why argumentative rhetoric works across a wide variety of genres, in addition to constructing analytically sound and rhetorically persuasive argumentative writing of their own. Students will engage in frequent timed writing exercises during class time in addition to out-of-class writing assignments of varying purposes, lengths, and registers of formality. Enrollment is limited to one section of 15 students. Students are required to take the AP Exam.

Senior Year

Course Name	Number	Weight	Semester	Credits
World Literature	1041	4.0	Both	1.0

World Literature will introduce students to both classical and modern literary works from a wide range of cultures, historical periods, and global perspectives. Organized around forms of literature such as the epic, tragic, comic, and lyric, the course invites students to reflect on how literature impacts the moral, cultural, philosophical, and historical consciousness of societies around the world. Readings may include short stories, novels, drama, and poetry with particular attention given to authors of diverse backgrounds, including works by Nobel Laureates, Christian and Catholic writers, and a development of comprehensive works covered in years prior. Students will engage in analytical writing, discussion-based learning, and eventually a substantial research paper.

Instructor discretion is paramount to this course. Specific texts, themes, and instructional approaches will vary by instructor. Each instructor will choose which works will be covered throughout the year as unique to their course, while some texts covered throughout the year will be universal. This allows the curriculum to adapt to student needs and interests in maintaining a shared focus on global traditions and needs-based critical thinking skills.

Course Name	Number	Weight	Semester	Credits
Humanities: World Literature & Theater	1042	4.0	Both	1.0

This course will provide students with a survey of World Literature through the close study of literature that has been translated into other artistic media, such as visual art, opera, plays, and musical theater. The course readings will change yearly to coincide with current live performance offerings at local Pittsburgh theater companies and venues: Carnegie Mellon University School of Drama, University of Pittsburgh Drama, PICT Classic Theatre, Pittsburgh Opera, Pittsburgh Public Theater, City Theater, Quantum Theater, and others. Students will read and write about various genres of literature and are required to attend all live stage performances (usually one per month and usually outside of school hours). The class requires an additional fee of $150 (paid in August) to offset ticket fees.

Course Name	Number	Weight	Semester	Credits
AP Literature & Composition	1043	5.0	Both	1.0

The Advanced Placement English course examines major writers of Western literature, while focusing on refining skills in the areas of critical thinking and critical writing. The student will be expected to participate in class discussions, do extensive reading, and write critically and creatively.

A culminating project must be completed as part of the course requirements. Enrollment is limited to ONE section of 15 students. Students are required to take the AP Exam.

Electives

Course Name	Number	Weight	Semester	Credits
Creative Writing	1051	4.0	One	.5

This course is designed to develop a student's creative facilities and writing ability. The course will examine authors and their writing craft, including strengths and weaknesses of specific fiction writers. Instruction will delve into the different techniques used by writers to create works of fiction. Students will create their own written work through writing workshops. Collaboration will be essential, as students will share their own written work. As a course requirement, students will submit one creative work of fiction.

Course Name	Number	Weight	Semester	Credits
Media & Culture Literacy	1052	4.0	One	.5

This course will serve as an introduction to media and the cultures with which the media exists to serve and inform. Students will gain critical thinking skills to both understand and engage with different forms of media and its impact on culture, in addition to synthesizing and mastering their own forms of media in the form of print media, social media, podcasting, etc. We will also look at the historical contexts and development and transition of media over time, and how media is in constant evolution to better meet the needs of the people.

Students will assess media content, identify bias, and have a thorough understanding of media ethics, law, and the implications of media consumption. We will also analyze different media conglomerates to analyze the ethics, law, influence, and roles in society that they happen to play in a cultural context.

This course will also come with the understanding that the students will work in conjunction or at a minimum some capacity on The Viking (school newspaper) in addition to the VNN, as well as other elements of Central Catholic and its relevant media

Course Name		Number	Weight	Semester	Credits
Argument & Debate	New Course!	1053	4.0	One	.5

Argument & Debate is an introductory elective course to argument writing and public speaking. Students will prepare, draft, revise, and deliver arguments in multiple debate styles including, but not limited to Spontaneous Argumentation (SPAR), Public Forum, and Lincoln-Douglas. Students will have the opportunity to debate current events topics of their own and of class selection. Over the course of the year, students will practice delivering their arguments to an increasing audience size. This course is semester-long and offered to sophomores, juniors, and seniors.

Fine Arts

Visual Arts

Course Name	Number	Weight	Semester	Credits
Studio Art I	9001	4.0	One	.5

Studio Art I provides an introduction to the elements and principles of art and design, perspective and drawing techniques. This course is a foundation program designed to introduce basic drawing, color and design techniques.

Course Name	Number	Weight	Semester	Credits
Studio Art II	9002	4.0	One	.5

Studio Art II is an introduction to drawing of objects and people. Other media introduced this year are relief print process, collage, show card paints and mixed media.

Course Name	Number	Weight	Semester	Credits
Studio Art III	9003	4.0	Both	1.0

Studio Art III is designed to master the drawing techniques learned in Art II. Print making, water color, and acrylic painting are also introduced.

Prerequisite: Studio Art II

Course Name		Number	Weight	Semester	Credits
AP 2-D Art and Design	New Course!	9004	5.0	Both	1.0

In AP 2-D Art and Design, you'll use the skills you learn in the course, and your own ideas, to create unique works of art. Throughout the course, you'll develop an inquiry that guides artmaking through practice, experimentation, and revision of materials, processes, and ideas while demonstrating 2-D art and design skills through graphic design, sequential art, photography, collage, printmaking, illustration, industrial design, animation, game design, painting, fibers, and others. Students develop a sustained body of work through drawing, painting, photography, digital art, and design, while exploring composition, process, and artistic intent. The course culminates in the AP portfolio, through which students may earn college credit.

Prerequisite: Studio Art III

Course Name	Number	Weight	Semester	Credits
Video Production	9005	4.0	One	.5

Video Production is an introductory course that will guide students in developing their skills in

videography, and all stages of the digital media production process. Through this course, students will work hands-on with school-provided video production equipment to create video projects. Students will learn the basic principles of shot composition, scriptwriting, storyboarding, directing, and video editing throughout the semester. The Video Production class will collaborate with the Viking News Network, as some student-created videos will air during our morning announcement broadcasts. This course is offered to juniors and seniors. Enrollment is limited. Teacher approval is needed for this course.

Vocal Music

Course Name		Number	Weight	Semester	Credits
Freshman Choir	New Title!	9011	4.0	Both	.5

Freshman Choir is a half-credit course for Freshmen only, that focuses on building students' singing skills. Fundamental vocal techniques and musicianship are introduced and reinforced using various styles of music, basic ear-training, and introductory music reading concepts. Students are evaluated on classroom participation, singing assessments, and concert performance. This course meets every-other day for a full year. Students will participate in two major concerts, one at Christmas and one in the Spring.

Course Name		Number	Weight	Semester	Credits
Concert Choir	New Title!	9012	4.0	Both	1.0

Concert Choir is a full-credit, daily course open to all students in grades 10-12. Like Freshman Choir, students study foundational techniques of vocal performance and musicianship, but with increased emphasis on the mastery of core performance skills and music literacy. Attention will be given to both solo and group singing in a variety of musical styles, including but not limited to standard choral repertoire, sacred music, musical theatre, pop, and a capella. Students are evaluated on classroom participation, singing assessments, and concert performance. Students will participate in two major concerts each year, one at Christmas and one in the Spring.

Course Name		Number	Weight	Semester	Credits
Honors Chamber Singers	New Title!	9013	4.5	Both	1.0

Chamber Singers consists of students selected by audition to perform collegiate and professional repertoire at the highest level of artistry. As an honors-level class, these students study advanced vocal techniques, musicianship, and music literacy, as applicable to solo and a capella repertoire, in a variety of classical, musical theatre, and popular styles. Students are evaluated on classroom participation, individual singing assessments, and concert performance. As the premier choral ensemble, the Chamber Singers represent the school and vocal music department in the greater Pittsburgh region. Participation in all school and community performances is required.

Prerequisite: Approval by the Choral Director, based on audition.

Instrumental Music

Course Name		Number	Weight	Semester	Credits
Concert Band	New Title!	9021	4.0	Both	1.0

Participation in the Concert Band is based on demonstrated musical competence and knowledge. Instrumental techniques and basic musicianship are introduced, reinforced and refined in performance. The student will participate in all concert band functions, including winter and spring concerts. Evaluation is based on rehearsal participation and musical performance.

Prerequisite: Approval by the Instrumental Director

Course Name		Number	Weight	Semester	Credits
Honors Band	New Title!	9021	4.5	Both	1.0

Students participating in Marching Band in addition to Concert band will earn honors credit. This includes participation in all marching and concert band functions, including football game appearances, parades, concerts, assemblies, festivals, etc. Evaluation is based on rehearsal participation and musical performance.

Prerequisite: Approval by the Instrumental Director

Course Name	Number	Weight	Semester	Credits
Jazz Band	9023	4.0	Both	1.0

The Blue Knights Jazz Band gives students the opportunity to perform various genres of jazz in a big-band setting. The historical context of these genres will be explored in the course, with understanding of the styles demonstrated through musical performance. The concepts of jazz improvisation will also be introduced. Students will be evaluated based on rehearsal participation and musical performance.

Prerequisites: Students must play a jazz instrument (saxophone, trumpet, trombone, guitar, bass guitar, piano, or drum set). Roster spots for some instruments have limited availability (guitar, bass guitar, piano, drum set); positions with limited availability will be determined by audition. Approval by the Instrumental Director is required.

Course Name		Number	Weight	Semester	Credits
Honors Jazz Band	New Title!	9024	4.5	Both	1.0

Students participating in Jazz Combo in addition to Jazz Band will earn honors credit. Students will further study the concepts of improvisation in the context of smaller ensemble repertoire. Study of jazz theory and harmony will be utilized to develop improvisation skills.

Prerequisites: Approval by the Instrumental Director, in addition to the requirements of Jazz Band.

Course Name	Number	Weight	Semester	Credits
String Ensemble	9025	4.0	Both	1.0

Participation in the String Ensemble is based on demonstrated musical competence and knowledge. Instrumental techniques and basic musicianship are introduced, reinforced and refined in performance. The student will participate in all scheduled performances. Evaluation is based on rehearsal participation and musical performance.

Prerequisites: Approval by the Instrumental Director. The student must play a string instrument.

Audio Engineering

Course Name	Number	Weight	Semester	Credits
Audio Engineering I - Live Sound Reinforcement	9031	4.0	One	.5

Students will learn techniques required for live sound reinforcement using PA systems. Topics will include properties of acoustics, audio equipment (microphones, mixing consoles, cables, speakers, amplifiers, etc), and understanding how to use equipment in a real situation. Students will have the opportunity for hands-on experience in McGonigle Theater.

Prerequisites: Students must have approval from Mr. Wilson to take this course.

Course Name	Number	Weight	Semester	Credits
Audio Engineering II - Recording & Sound Production	9032	4.0	One	.5

Students will learn techniques for audio recording and production. Topics will include a review of audio equipment, digital audio encoding, and digital audio workstation processing, mixing, and mastering techniques. Students will have the opportunity for hands-on experience recording student ensembles and musicians.

Prerequisites: Students must have approval from Mr. Wilson to take this course.

Health & Physical Education

Course Name	Number	Weight	Semester	Credits
Physical Education	0011	4.0	One	.5

The ultimate goal of Physical Education is to facilitate students in improving their quality of life through promotion of lifelong health enhancing physical activity. Students will learn why regular planned physical activity is important, how to develop a personal plan for being physically active, concepts necessary for successful participation in regular physical activity, and how personal responsibility/interpersonal cooperation can make physical activity a winning proposition for everyone. The course will emphasize each student; determining their current level of personal physical fitness in relation to health standards, recognizing the reasons for their current fitness level, recognizing that they have the power to change their fitness level, setting short and long term fitness goals, and working throughout the course to reach their personal fitness goals. The curriculum focuses on lifetime fitness and physical activity. Students are encouraged to work together in promoting course and individual goals.

Course Name	Number	Weight	Semester	Credits
Health	0012	4.0	One	.5

Health Education is designed to provide students with the skills and information needed to maintain a healthy lifestyle throughout their lives. This course is designed to provide students with an opportunity to learn about the physical, mental/emotional, and social aspects of health. An emphasis is placed on the importance of making healthy decisions that will lead to a higher quality of life. Course information is presented in a practical manner incorporating current health trends and concerns. Content areas will include but are not limited to: Personality, Stress, Mental Disorders, Relationships (bullying prevention), Nutrition, Weight Management, Body Systems, Non-infectious Disease, Human Growth and Development, A.I.D.S. and other STDs, Alcohol, Tobacco, Drugs and Personal Safety, CPR, First Aid & Safety.

Electives

Course Name	Number	Weight	Semester	Credits
Advanced Physical Fitness	0013	4.0	One	.5

Class will give students the opportunity to focus on the five pillars related to physical fitness. Cardiovascular fitness, muscular endurance muscular power, flexibility and body composition. Majority of the class will focus on proper strength training in order to improve individual performance and fitness. Class will also include sports specific training, functional training and various other elements necessary to improve overall fitness & strength. Assessment will mostly be done through individual goal setting, demonstrating proper lifting technique, creating personal workouts, and written assignments. Class will meet every other day for one semester only. Students must get teachers signed permission prior to entrance into class.

Course Name	Number	Weight	Semester	Credits
Essential Concepts in Athletic Training	0014	4.0	One	.5

The course will be an introduction to the basic and essential elements of Athletic Training including emergency management, recognition, evaluation and follow-up care for injury and illness. Treatment protocols, taping techniques and other fundamental concepts relating to athletic injury care are discussed as they relate to prevention and management. Students will be required to perform "observation" hours in the Athletic Training Room after school hours at scheduled athletic practices and events. Space is limited to 15 students for "hands-on" labs in the Athletic Training Room.

Prerequisites: Students must have completed Biology and Health courses & departmental approval.

History & Social Sciences

Maintain Honors/AP Level	85% in current course
Move UP 1 Level	95% in current course

Freshman Year

Course Name	New Title!	Number	Weight	Semester	Credits
Citizenship in a Global Context		2011	4.0	Both	1.0

This course is an introduction to the disciplines of history and social science that focuses on the world's diverse peoples, cultures, and political structures. By drawing from both ancient and contemporary examples, the course explores how human societies have shaped populations, migrations, cultures, economies, urbanization, and politics across the globe. The primary focus of the course in the second semester will be on the foundations of civic life and democratic government. Students will develop the skills to become more responsibly engaged citizens at the local and global level by understanding the principles of the U.S. Constitution, promoting media literacy, and fostering critical thinking about civic participation.

Course Name	New Title!	Number	Weight	Semester	Credits
Honors Citizenship in a Global Context		2012	4.5	Both	1.0

This course is an advanced exploration of the disciplines of history and social science. The course will focus on the world's diverse peoples, cultures, political structures, and prepare students for further advanced studies in social studies in the future. By drawing from both ancient and contemporary examples, the course explores how human societies have shaped populations, migrations, cultures, economies, urbanization, and politics across the globe. The primary focus of the course in the second semester will be on the foundations of civic life and democratic government. Students will develop the skills to become more responsibly engaged citizens at the local and global level by understanding the principles of the U.S. Constitution, promoting media literacy, and fostering critical thinking about civic participation. Throughout the course, students will analyze primary sources and develop their historical thinking and writing skills.

Course Name	Number	Weight	Semester	Credits
AP Human Geography	2013	5.0	Both	1.0

Human Geography is a social science discipline focused on the study of the world's people, communities, and cultures. Topics include physical geography, population, cultural patterns and processes, political organization of space, agriculture and rural land use, industrialization and economic development, cities and urban land use. The study of these topics will be supplemented with readings from world literature and contemporary nonfiction.

Sophomore Year

Course Name	Number	Weight	Semester	Credits
World History	2021	4.0	Both	1.0

This course is a survey course designed to give the student a basic understanding of World History from the Exploration to Modern times. Major emphasis will be placed on the students' ability to master content material, vocabulary, and to express themselves in written and spoken work.

Course Name	Number	Weight	Semester	Credits
Honors World History	2022	4.5	Both	1.0

The course covers the period from 1500 to the present day. The curriculum provides an intense study of the development of the modern world. An emphasis is placed on developing a thorough knowledge of the people, events, and ideas that have shaped our times. While the focus is on the development of Western civilization, study of non-Western history is included. After an introductory unit, the course identifies the major trends and events from 1500 to the latest age.

Course Name	Number	Weight	Semester	Credits
AP European History	2023	5.0	Both	1.0

This study of European history since 1450 introduces students to cultural, economic, political, and social developments that played a fundamental role in shaping the world in which they live. Without this knowledge, we would lack the context for understanding the development of contemporary institutions, the role of continuity and change in present-day society and politics, and the evolution of current forms of artistic expression and intellectual discourse. In addition to providing a basic narrative of events and movements, the goals of the AP program in European History are to develop (a) an understanding of some principal themes in modern European History, (b) an ability to analyze historical evidence and historical interpretation, and (c) an ability to express historical understanding in writing. Intensive reading, summer work, and extensive writing are required. The AP exam must be taken at the end of the year.

Junior Year

Course Name	Number	Weight	Semester	Credits
United States History	2031	4.0	Both	1.0

An inquiry-oriented approach, this course attempts to present conflicting interpretations of historical events from the discovery of the United States to modern day. Trends within the past will be studied to find accuracy and relevance to the present. Students will be exposed to a variety of historical interpretations.

Course Name	Number	Weight	Semester	Credits
AP United States History	2032	5.0	Both	1.0

This course is an intensive study in U.S. History from the discovery to the present. Students are expected to analyze in depth and to examine previously held conceptions of American History. Reading load is extensive, with summer reading required. Writing is a major component of the course. Students must take the AP Exam at the completion of this course. Department approval is required.

Junior/Senior Electives

Course Name	Number	Weight	Semester	Credits
History of Pittsburgh and Western Pennsylvania	2041	4.0	One	.5

This course is intended to develop in the student a fuller awareness and appreciation of the development of Western Pennsylvania, and particularly the role which the City of Pittsburgh has played. The course will trace the history of the city from its beginnings as a frontier stronghold to its emergence as the Renaissance City of today. Class activities will consist not only of readings and discussions, but also the use of local historical resources and visits to important sites in the city's history and development. This course will be a web enhanced course. Course is limited to 24 students per semester.

Course Name	Number	Weight	Semester	Credits
History of Modern America	2042	4.0	One	.5

This course explores the era from the conclusion of World War II to the present with emphasis upon significant events and notable personalities, both foreign and domestic, as they relate to the American experience.

Course Name	Number	Weight	Semester	Credits
The Story of WWII	2043	4.0	One	.5

A semester-long college-style elective course that examines the lead up to, major events during, and the aftermath of World War II using *The Story of World War II* by Dr. Donald Miller as its textbook. At the beginning of the semester students will explore the immediate aftermath of and the issues left unresolved from WW I as well as new events that occurred during the Inter-War years that set the stage for World War II. Students will then study World War II with an in-depth look at each Theatre and its major campaigns, respective military leaders, and important events. The course will conclude with an epilogue that previews the Marshall Plan, the Occupation and Reconstruction of Japan, and the beginning of the Cold War.

Course Name	Number	Weight	Semester	Credits
Sociology	2044	4.0	One	.5

This course is a basic introduction into the field of Sociology. Students will discover the basic

fundamentals of the behaviors of groups/societies. The topics of sociological careers, the basic structure of society, norms, values, propaganda, urban myths, fads, fashions will be studied. The legendary founders and their contributions to sociology will be examined. The process of societal change, social issues of sports and urban ecology will be investigated. The students will use a text and outside readings with assessment being tests, quizzes and projects.

Course Name	Number	Weight	Semester	Credits
Economics	2045	4.0	One	.5

This course is designed to give the students a greater understanding of both micro and macroeconomics. The class will cover such topics as: economic markets, the law of supply and demand, money and pricing, market competition, labor unions, the US tax system, and money supply and interest.

Course Name	Number	Weight	Semester	Credits
Strategic Leadership & Teambuilding	2046	4.0	One	.5

Strategic Leadership & Teambuilding is designed to enable students first to cultivate an awareness and then master fundamental theories, principles, and applications of effective leadership. The class will entail an examination of the economic, ethical, legal, and social responsibilities of those who must make and implement challenging decisions and manage others who do. Student teams will actively collaborate to develop and execute strategic leadership skills and techniques utilized by those aspiring to be "Men of Action." Opportunities will be presented for meaningful interaction with graduates of Central Catholic who have attained leadership roles in the region, nation, and world.

Course Name		Number	Weight	Semester	Credits
Art History	New Course!	2047	4.0	One	.5

This course will help students develop a basic understanding of global art from prehistory to the present in its aesthetic and cultural contexts. We will focus on the historical and social elements that helped to shape artistic production. Students will analyze works of art from various global cultures, understand diverse historical and cultural perspectives, identify systemic biases in art history, and advocate for greater attention to historically marginalized artists and artistic traditions, utilize visual and contextual evidence to explain the aesthetic and historical significance of works of art, museum or gallery exhibitions, or presentations by artists and art historians, and articulate ideas about art history clearly and effectively.

Course Name		Number	Weight	Semester	Credits
International Relations	New Course!	2048	4.0	One	.5

International Relations is the study of how states interact with each other. This course builds a working knowledge of our field, introducing the background, theoretical, and empirical tools necessary to understand international relations today. Students will learn about important findings in a variety of subfields, including war, international political economy, institutions, nuclear proliferation, and terrorism. Students will also solve problems sets and work with

common international relations datasets to obtain a working understanding of the discipline's methodological foundations.

Course Name	Number	Weight	Semester	Credits
Criminal Law & Justice	2049	4.0	One	.5

New Course!

This course gives students a dynamic, real-world introduction to America's criminal justice system. Students will explore the nature of crime, policing, courts, corrections, constitutional rights, famous cases, and the ethical challenges that shape modern justice. Students will analyze real legal scenarios, simulate trials, debate landmark Supreme Court decisions, examine controversial issues, and develop a working knowledge of how the law affects daily life.

The course emphasizes critical thinking, civic engagement, and practical understanding of legal rights and responsibilities.

Course Name	Number	Weight	Semester	Credits
AP United States Government & Politics	2051	5.0	Both	1.0

This course focuses on United States Government and Politics, one of two A.P. curricula offered in Political Science. Major topics include: Constitutional foundations of the U.S. Government; Political beliefs and behaviors; Political parties, Interest groups and Mass media; Institutions of National Government: the Congress, the Presidency, the Bureaucracy, and Federal Courts; Public Policy; Civil Rights and Liberties. A major purpose of this course is to prepare students for the Advanced Placement exam, which is required. Department approval is required.

Course Name	Number	Weight	Semester	Credits
AP Economics	2052	5.0	Both	1.0

This course provides students with an understanding of how a nation's economy is structured, organized, crafted, and stimulated. The course will view an economy from a microeconomics perspective, with the following highlighted topics: supply and demand analysis, market competition, government intervention, factor markets, and production costs. The course also will provide a macroeconomic analysis, covering the following topics: national income, economic indicators and business cycles, aggregate supply and demand, international trade, interest rates, and monetary policy. A major purpose of this course is to prepare students for the Advanced Placement exams – Microeconomics, Macroeconomics, both of which are required.

Course Name	Number	Weight	Semester	Credits
AP African American Studies	2053	5.0	Both	1.0

New Course!

AP African American Studies is a college-level interdisciplinary course that examines the history, culture, politics, and contributions of African Americans from ancient origins to the present. Students analyze primary and secondary sources, engage in discussion and research, and explore themes such as identity, resistance, creativity, and social change. The course emphasizes critical thinking, historical inquiry, and civic engagement, and prepares students for advanced study in the humanities and social sciences. Students are required to take the AP exam in May.

Course Name	Number	Weight	Semester	Credits
AP Psychology	2054	5.0	Both	1.0

This course provides the student with an understanding of how the scientific method is applied to the study of human behavior. Topics include the structure and function of the nervous system, foundations of learning, intelligence, social behavior, personality, feeling and emotion, developmental patterns, and the measurement of behavior. This course focuses on the study of human behavior. As an introduction to the field of psychology, this course includes consideration of psychological principles, terminology, major theories, careers, methods of experimentation, and practical applications. Special topics include personality development, problem-solving, group dynamics, and motivation.

Baginski Scholars Program

Students apply to the Baginski Scholars program in the winter of their sophomore year and must be accepted into the program in order to enroll in the following courses.

Course Name	New Title!	Number	Weight	Semester	Credits
Junior Seminar in Moral Philosphy		2061	4.5	Both	1.0

This course explores some of the most enduring philosophical, ethical, and social questions of humanity. These great questions are posed by means of both ancient and modern texts, fiction as well as non-fiction. By the end of the course, students will be conversant in a spectrum of classical texts that wrestle with competing ethical frameworks. Students will be asked to write and express their thoughts utilizing various philosophical systems and will be challenged to reflect on the nature of truth, beauty and goodness from novel and varying perspectives. As students hone their critical analysis of these works, they will develop their own ability to construct rational, and sound arguments. Such skills will be assessed by the writing of formal and informal responses, as well as classroom discussion and oral presentation within the seminar.

Students will also be tasked with participation in and application of a service project in addition to a summative position paper on an ethical topic of their own choosing. The strength of the seminar experience lies in the communal discussion and debate of primary texts, and the empowerment of students to engage the contemporary problems of the world through multivalent historical, literary, and philosophical lenses.

Course Name	New Title!	Number	Weight	Semester	Credits
Senior Thesis and Research Seminar in Contemporary Issues		2062	4.5	Both	1.0

This capstone of The Brother David S. Baginski, FSC Scholars Program is a year-long course in research and writing. Guided by faculty mentors, this course allows the scholars to define, structure, and explore a unique topic for study. This approach to learning provides a wide opportunity to pursue a topic from an in-depth, interdisciplinary perspective which accommodates a broader inquiry than study in a single discipline. In addition to the written thesis, the scholars give an oral defense of their scholarship in February/March and a presentation at the Senior Symposia in April.

Course Name	Number	Weight	Semester	Credits
Cultural Forum of the Scholars Program	2063	N/A	Both	.5

This forum provides trips to musical and theatrical performances, art exhibitions, presentations by authors, public figures, and professionals, coversations with expert panels, films, and discussions on contemporary issues with peers. Invitations to events are sent automatically to all students in the program, allowing the register and obtain class credit. This course is every semester for both the Junior and Senior years and is a Pass/Fail course.

Course Name	Number	Weight	Semester	Credits
Study Abroad	2064	N/A	N/A	

Each summer, usually in June and July, the Scholars Program offers a short-term (10- to 15-day) study abroad elective. This elective provides a rich academic and cross-cultural experience where students are encouraged to make intrinsic connections between their intellectual development and their responsibilities as global citizens. In the two semesters before the trip, the Directors and/or a guest faculty member coordinate readings and a series of workshops that provide immersive study of location-specific topics in the humanities and sciences.

Mathematics & Computer Science

Students will be placed in Math courses for the next school year based on the following criteria:

Maintain Honors/AP Level	85% in current course
Move UP 1 Level	95% in current course

Students *may* be moved down a level if they earn a grade below 85%.

Algebra I

Course Name	Number	Weight	Semester	Credits
Algebra I: Foundations	3010	4.0	Both	1.0

This course is designed for incoming freshmen who have no prior experience with algebra. The course moves at a pace that allows students to fully understand the fundamental algebraic concepts needed for further study in mathematics. Key topics include order of operations, operations with fractions, linear equations, linear inequalities, absolute value equations and inequalities, graphs of linear functions, systems of linear equations, factoring quadratics, properties of exponents, properties of radicals, and an introduction to quadratic equations.

Course Name	Number	Weight	Semester	Credits
Algebra I	3011	4.0	Both	1.0

This course is aimed towards incoming freshmen who have some experience with algebra but scored below the threshold required for placement into honors. The course covers all core topics in Algebra I, including linear equations, linear inequalities, absolute value equations and inequalities, function notation, graphs of linear functions, linear regression, systems of linear equations, factoring quadratics, properties of exponents, properties of radicals, graphing quadratic functions, solving quadratic equations, and the quadratic formula.

Course Name	Number	Weight	Semester	Credits
Honors Algebra I	3012	4.5	Both	1.0

This course is designed for incoming freshmen who have demonstrated strong mathematical ability on the placement exam but did not pass the Algebra Placement Exam. This course moves at a rapid pace, covering all Algebra I material and some additional topics from Algebra II. This material includes linear equations, linear inequalities, absolute value equations and inequalities, function notation, graphs of linear functions, linear regression, systems of linear equations, factoring quadratics, properties of exponents, properties of radicals, graphing quadratic functions, solving quadratic equations, the quadratic formula, and exponential functions.

Algebra II

Course Name	Number	Weight	Semester	Credits
Algebra II	3021	4.0	Both	1.0

This course begins with transformations of functions (translations, dilations, reflections), which is a common thread throughout the course. Other key topics include systems of linear equations involving 2 or more variables (an emphasis is placed on matrix methods for solving these systems), graphing quadratic functions, solving quadratic equations using a variety of methods (factoring, completing the square, the quadratic formula), graphing polynomial functions of higher degree (cubic and above), algebra of polynomials (adding, subtracting, multiplying, long division, and synthetic division), solving polynomial equations (factoring, rational roots), exponential growth and decay functions, logarithmic functions, properties of logarithms, radical and rational functions, and if time permits, an introduction to probability.

Course Name	Number	Weight	Semester	Credits
Honors Algebra II	3022	4.5	Both	1.0

This course is rigorous and fast-paced, designed for students who are ultimately planning on taking calculus by their senior year. All topics from Algebra II are covered in greater depth, with an emphasis placed on formal mathematical notation and an introduction to advanced mathematical concepts when appropriate. For example, limit notation is introduced as a convenient way to describe the behavior of functions and differential calculus is given a gentle introduction when studying the rates of change of functions. Additional topics covered (if time permits) might include right triangle trigonometry, the Unit Circle, sequences and series, and probability and statistics.

Geometry

Course Name	Number	Weight	Semester	Credits
Geometry	3031	4.0	Both	1.0

Topics covered in this course include parallel lines, congruence, and similarity of plane figures. Particular emphasis is given to triangles, including the 30-60-90 and 45-45-90 right triangles, and circles. During the study of right triangles, the course will introduce the sine, cosine and tangent functions. Near the end of the course, students will explore the areas and perimeters of plane figures, the surface areas and volumes of solids, geometric probability, and coordinate geometry. Proofs (two-column and paragraph) are used throughout the course.

Course Name	Number	Weight	Semester	Credits
Honors Geometry	3032	4.5	Both	1.0

This course offers a rigorous treatment of geometry, emphasizing mathematical structure, logic and deductive proof. All topics from Geometry (333), in addition to methods and proofs in coordinate geometry, transformations and constructions, will be covered in depth. Right triangle trigonometry is given a thorough introduction, and if time permits, the Unit Circle will be presented. This course emphasizes the continual use of algebraic skills.

Trigonometry/Precalculus

Course Name	Number	Weight	Semester	Credits
Precalculus with Trigonometry	3041	4.0	Both	1.0

The first semester explores plane trigonometry as based on the wrapping function and the right triangle. It emphasizes the trigonometric functions, their inverses, and their graphs, as well as applications involving identities, equations, solutions of triangles, and complex numbers. The second semester explores as many topics as feasible from a conventional precalculus course, including an in-depth analysis of polynomials, exponential and logarithmic functions, and other topics in algebra.

Course Name	Number	Weight	Semester	Credits
Honors Precalculus with Trigonometry	3042	4.5	Both	1.0

The first semester is an accelerated, full course in trigonometry, including circular functions, vectors, polar coordinates, analytic trigonometry, and the complex plane. Second semester topics include polynomial functions, rational functions, exponential functions, logarithmic functions, matrices, and discrete mathematics (if time permits). Students will receive an introduction to limits and derivatives.

Course Name	Number	Weight	Semester	Credits
AP Precalculus	3043	5.0	Both	1.0

This course is designed for students who plan on taking AP Calculus. The first semester is a rigorous treatment of the mathematical analysis of functions. In particular, students will analyze functions using limits and derivatives. This includes polynomial functions, rational functions, exponential functions, and logarithmic functions. Conic sections, systems of nonlinear equations and inequalities, sequences, series, and the binomial theorem are also covered. The second semester is an accelerated, full course in trigonometry, starting with right triangles then moving to circular functions. Additional topics include graphing trigonometric functions, inverse trigonometric functions, analytic trigonometry, polar coordinates, complex numbers, vectors, parametric functions, and matrices. If time permits, combinatorics and probability will be covered. Use of the TI-84 calculator will be emphasized when appropriate. All students must take the AP Precalculus exam in May.

Calculus

Course Name	Number	Weight	Semester	Credits
Business Calculus	3052	4.0	Both	1.0

New Course!

This course serves as an introduction to calculus for students who are interested in business, economics, or other social sciences. The topics covered include function analysis, limits, derivatives, integrals, and an introduction to multivariable calculus. Applications, particularly to problems in business and economics, are emphasized throughout the course.

Course Name	Number	Weight	Semester	Credits
AP Calculus AB	3053	5.0	Both	1.0

AP Calculus AB is a college-level calculus course, covering the material in a typical Calculus I class. Students cultivate their understanding of differential and integral calculus through engaging with real-world problems represented graphically, numerically, analytically, and verbally and using definitions and theorems to build arguments and justify conclusions as they explore concepts like change, limits, and the analysis of functions. Topics covered include limits and continuity, derivatives, implicit differentiation, related rates, optimization, tangent line approximation, curve sketching, Riemann sums, antiderivatives, the Fundamental Theorem of Calculus, areas between curves, volumes of revolution, slope fields, and separable differential equations.

Course Name	Number	Weight	Semester	Credits
AP Calculus BC	3054	5.0	Both	1.0

AP Calculus BC is designed to be the equivalent to a second semester college calculus course. AP Calculus BC applies the content and skills learned in AP Calculus AB to parametrically defined curves, polar curves, and vector-valued functions; additional integration techniques and applications are covered, such as integration by parts, trigonometric substitution, partial fractions, and improper integrals; differential equations are covered in greater depth, including Euler's method and the logistic growth function; infinite sequences and series are studied, including tests for convergence (p-series, integral test, comparison test, alternating series test, ratio and root tests), Taylor polynomial approximations, representing functions as Maclaurin, Taylor or power series, and the Lagrange error bound.

Prerequisites: A score of 4 or 5 on the AP Calculus AB exam or Math Department approval.

Beyond Calculus

Students who have completed AP Calculus BC with a score of 4 or 5 on the AP exam have the option to take a combination of the following electives to satisfy their math graduation requirements. All students in a given year must take the same combination of classes. For example, the group might decide to take Multivariable Calculus first semester, then Linear Algebra second semester. There will be a substantial amount of self-studying involved in each of these classes, but all classes will have access to an instructor on a daily basis.

The prerequisite for each of the following classes is a score of 4 or 5 on the AP Calculus BC exam.

Course Name	Number	Weight	Semester	Credits
Multivariable Calculus **New Course!**	3055	5.0	One	.5

This course is similar to a one-semester college course in multivariable calculus (sometimes called Calculus III), in both breadth and pacing. This course extends the concepts of single-variable calculus (as studied in AP Calculus BC) to functions of two or more variables. Beginning with an introduction to three-dimensional space, vectors and vector-valued functions are analyzed. Additional topics covered include partial derivatives, directional derivatives and the gradient vector, Lagrange multipliers, double and triple integrals, change of variables, spherical and

cylindrical coordinates, curl and divergence of vector fields, line integrals, surface integrals, Green's Theorem, Stokes' Theorem, and the Divergence Theorem.

Course Name		Number	Weight	Semester	Credits
Differential Equations	New Course!	3056	5.0	One	.5

This course is similar to a one-semester college course in differential equations, in both breadth and pacing. This course covers first-order ordinary differential equations, the theory of linear ordinary differential equations, solutions of linear ordinary differential equations with constant coefficients, and the Laplace transform. As time permits, applications of differential equations to problems in the physical sciences will be studied.

Course Name		Number	Weight	Semester	Credits
Linear Algebra	New Course!	3057	5.0	One	.5

This course is similar to one semester of college-level linear algebra. Topics include vectors, linear systems, matrices, linear transformations, determinants, inverse matrices, vector spaces, eigenvalues and eigenvectors, and applications of linear algebra.

Math Electives

Course Name		Number	Weight	Semester	Credits
Probability & Statistcs	New Course!	3061	4.0	One	.5

This course covers one and two variable data, probability, random variables, sampling distributions, estimating, testing and comparing claims of parameters, and Inferences. This will also include several projects.

Prerequisites: Algebra II and Geometry

Course Name	Number	Weight	Semester	Credits
AP Statistics	3063	5.0	Both	1.0

AP Statistics is a college-level statistics course, designed to introduce students to core probability and statistics concepts and tools for collecting, analyzing, making inferences, and for drawing conclusions from data collected. A college level textbook will be used and a graphing calculator with statistics capabilities will be required (TI-84s are available in the classroom). Assessment will include daily homework and unit exams. Students who register for this course must take the AP Statistics exam at the end of the year.

Computer Science

Course Name	Number	Weight	Semester	Credits
Honors Introduction to Programming	3072	4.5	Both	.5

This course is designed to develop a student's ability to think algorithmically. The bulk of this course will be centered around solving abstract problems with computational methods. Students will learn to think critically and to deconstruct problems in an unfamiliar context. Students will learn the Python programming language to express their solutions and demonstrate their correctness. The course will emphasize technique mastery as well as the specific semantics of the Python language and runtime environment. Fundamental topics include variables, data types, conditionals, and loops. Students may also receive instruction in Python classes and objects.

Prerequisites: Must be concurrently enrolled in Honors Algebra II.

Course Name	Number	Weight	Semester	Credits
AP Computer Science A	3074	5.0	Both	1.0

The AP Computer Science course covers the topics in a typical introductory college computer science class, focusing on the study of the fundamental principles associated with object-oriented programming using the Java language. Topics include classes, objects, data types, variables, Boolean expressions, methods, loops, and input/output. Advanced topics include searching, sorting and recursion. There is an emphasis on problem-solving and algorithm development throughout the course. Students who register for this course must take the AP Computer Science A examination at the end of the year.

Prerequisites: A minimum final grade of 85% in Honors Algebra II and either enrolled in or completed AP/Honors Precalculus. Prior programming experience is highly recommended, although not required. A strong interest in computer science and a proven academic record are essential. Students who do not meet these requirements must receive approval from the AP Computer Science teacher before enrolling in the course.

Religion

Freshman Year

Course Name	Number	Weight	Semester	Credits
Religion I	4011	4.0	Both	1.0

This first year in Religion is designed as an introduction to faith and religion in general, and to the Roman Catholic Faith in particular. Beginning with an introduction to the Old Testament, and continuing through the Gospels and Jesus' life, words, and works, the student will be presented with an overview of Catholicism and its origins. The essential contents of The Catechism of the Catholic Church are examined in light of the Creed, the Sacraments, Liturgy, Morality, and Prayer. In addition to the subject matter, an emphasis will be placed upon the use of the development of writing skills so necessary to any academic endeavor. Outlining, note-taking, and essay writing will be employed throughout the year.

Sophomore Year

Course Name	Number	Weight	Semester	Credits
Religion II	4021	4.0	Both	1.0

This first semester course is designed to lead students toward a deeper understanding of our need for redemption and how Jesus is the fulfillment of God's promise of this redemption. It also explores how, through his Passion, Death, Resurrection, and Ascension, and how Jesus makes this redemption possible. The course addresses how we continually experience this Paschal Mystery in our lives and in the liturgy of the Church. This second semester course will provide students with a deeper understanding of the Church as the means of encountering the living Jesus. It will explore the origin of the human and the Divine elements, as well as the ongoing mission of the Church. Students will explore the Church's ongoing efforts to gather all to the People of God through ecumenical movement and through interreligious dialogue. Student will also be able to reflect on their role in the Church and Christ's invitation to actively participate and contribute to the life of the Church.

Junior Year

Course Name	Number	Weight	Semester	Credits
Religion III	4031	4.0	Both	1.0

The first semester of this course will focus on the Seven Sacraments, especially Holy Eucharist and the Real presence of Christ at the Holy Sacrifice of the Mass. Each Sacrament will be explored thoroughly, from its institution to its practical participation and application in the lives of Catholics today. The course will also explore the history, the scriptural foundation, and the current practices of the Sacraments. The second semester will lead the students to a deeper understanding of God's law revealed to us through Sacred Scripture and Tradition. It will also explore how the teachings

and the life of Christ is the fulfillment of the Law summarized in the Ten Commandments and the sins against them. This course also provides the guidelines for moral decision-making in today's world, based upon the teachings of Jesus and the Catholic Church, especially regarding the gift and the sacredness of human life. Reflection on the gifts and the guides God provides for us to live a holy life.

Senior Year

Course Name	Number	Weight	Semester	Credits
Man of Faith	4041	4.0	Both	1.0

Senior year is a critical time in a young man's life: he assesses the future and makes some tentative decisions about the life he wants to build. He investigates the world around him as he looks for meaning and purpose to his life. This level three survey course (which fulfills the Religion requirement) is designed to help students shape an adult Christian lifestyle by providing insights from the Catholic Christian tradition concerning the various developmental tasks of young adult life and understanding a maturing life of faith. This course will attempt to cover a variety of topics: Contemporary Catholic insights into Faith and Culture, Catholic Social Teaching, Comparative Religions, Christian Vocation.

Course Name	Number	Weight	Semester	Credits
Peer Ministry	4042	4.0	Both	1.0

As a school "rooted in the Gospel values of integrity, respect, service, justice, and peace" Central Catholic is committed to forming leaders who reflect these values. As such, Campus Ministry, in conjunction with the Religion Department, is offering a Peer Ministry course for Juniors and Seniors. This class will emphasize the aforementioned values by focusing on student formation in ministry, service, theological reflection, and ecclesiology – within the context of Central Catholic and in preparation to be strong Christian leaders in the community upon graduation.

Prerequisites: Students are selected through an application process during the spring of their junior and/or sophomore year. The application includes reflection questions, parental approval, teacher recommendations, and a personal interview with the Campus Ministry Team.

Electives

Course Name	Number	Weight	Semester	Credits
Honors Introduction to Philosophy	4043	4.5	One	.5

This course will cover a variety of classical and contemporary works to address central questions in philosophy pertaining to truth and the human person. This course is aimed at helping students analyze, discuss, clarify, and create arguments based on the readings covered. A high level of confidence and competence in reading comprehension and writing skills are encouraged.

Science

Move UP 1 Level	95% in current Math & Science course

Biology

Course Name	Number	Weight	Semester	Credits
Biology	5011	4.0	Both	1.0

This class is a year-long introduction to the concepts of biology through lectures, discussions, and some outside readings. The course will cover the following topics: cell biology, cell reproduction, cell chemistry, biochemistry, energetics of the cell, as well as genetics, evolution, human physiology and morphology, and ecology, with emphasis here on how the members of the plant and animal kingdoms are interrelated to form biological communities. Completion of homework assignments, experiment lab reports, team projects and exams are required.

Course Name	Number	Weight	Semester	Credits
Honors Biology	5012	4.5	Both	1.0

This course is meant to provide a survey of the realm of life science within the context of a rigorous, experimentally based curriculum. Covered course topics include biochemistry, cell biology, ecology, energetics, molecular biology, genetics, taxonomy and an introduction to cutting edge aspects of biotechnology and regenerative medicine. Significant independent study is expected to enhance student comprehension and appreciation of the frequent class activities. Completion of frequent homework assignments, lab reports, quizzes, team projects, reading assignments and a major project are required for success.

Course Name	Number	Weight	Semester	Credits
AP Biology	5013	5.0	Both	1.0

AP Biology is a college-level laboratory science course for juniors and seniors that is equivalent to a full-year introductory college biology course. Students study major concepts of modern biology through thematic, inquiry-based learning with an emphasis on quantitative skills and scientific reasoning. Core themes include evolution, cellular processes and homeostasis, information flow, and interactions within and among biological systems. Students engage in independent content mastery, hands-on laboratory investigations, and collaborative projects while preparing for the national AP Biology Exam, through which they may earn college credit.

Chemistry

Course Name	Number	Weight	Semester	Credits
Chemistry	5021	4.0	Both	1.0

This laboratory-based science course emphasizes the use of mathematical reasoning and experimental investigation to understand fundamental principles of chemistry. Students analyze data, develop models, and apply quantitative relationships to topics such as atomic theory, chemical reactions, the periodic table, bonding, the mole concept, gases, energy changes, and reaction rates. Through hands-on experiments, problem-solving, and real-world applications, students build practical chemistry skills while learning safe laboratory practices and the relevance of chemistry to natural resources and everyday life.

Course Name	Number	Weight	Semester	Credits
Honors Chemistry	5022	4.5	Both	1.0

This course is a college prep-level course that is designed to be an introduction to chemistry at an advanced level of pace. Students are going to study concepts like atomic theory, the periodic table, stoichiometry, electron configuration, molecular bonding, gas laws, and chemical reactions. Students will be engaging in hands-on laboratory experiments to reinforce the concepts that are covered in the classroom with an emphasis on learning the appropriate ways to collect and analyze data. Students will be asked to write lab reports throughout the year to learn about scientific writing and reporting data. Additional projects and presentations will be required throughout the year with the goal of connecting the course content to everyday life and refining scientific presentation skills.

Course Name	Number	Weight	Semester	Credits
Chemistry II: Introduction to Experimental Analysis	5023	4.0	Both	1.0

Chemistry II builds on the concepts and skills developed in first-year chemistry and extends students' understanding of advanced chemical principles. This laboratory-based course emphasizes mathematical reasoning, data analysis, and model development through topics such as stoichiometry, states of matter, gas behavior and kinetic theory, aqueous systems, solutions, reaction rates and kinetics, equilibrium, acids and bases, oxidation-reduction reactions, electrochemistry, organic chemistry, and nuclear chemistry. Through hands-on experiments, problem-solving, and real-world applications, students deepen their analytical skills while reinforcing safe laboratory practices and the relevance of chemistry to everyday life and environmental stewardship.

Course Name	Number	Weight	Semester	Credits
Honors Organic Chemistry	5024	4.5	Both	1.0

Honors Organic Chemistry is an advanced level course for Seniors that is designed to track with the first semester of college-level organic chemistry. Students will be expected to work rigorously both in class and independently in order acquire proficiency in this difficult subject. Students who successfully complete this course will be well-positioned to excel in any college-level organic chemistry course. Topics in this course include but are not limited to chemical structure and

bonding, organic functional groups, nomenclature, stereochemistry, chemical transformations, reaction mechanisms, synthetic design, and analytical chemistry including NMR spectroscopy. Students will take regular exams and quizzes in addition to cumulative midterm and final exams. Limited to 20 students.

Course Name	Number	Weight	Semester	Credits
AP Chemistry	5025	5.0	Both	1.0

The Advanced Placement Chemistry course is a rigorous and fast-paced course that is designed to be comparable to the first year of college level chemistry. The course syllabus is approved by the College Board who administers the AP Chemistry exam at the end of the year. All students who are enrolled in AP Chemistry are required to take the exam. Topics covered include atomic theory, stoichiometry, thermochemistry, electron configurations, chemical bonding, gases, liquids and solids, reaction types, kinetics, equilibrium, and thermodynamics. Students will be expected to complete significant summer review assignments in preparation for this course. In class tests are administered at the completion of each unit, and students will be required to perform 16 laboratory experiments throughout the year to reinforce the concept covered in class. Lab reports and scientific writing will be a required component for each experiment.

Physics

Course Name	Number	Weight	Semester	Credits
Physics	5031	4.0	Both	1.0

This course is a descriptive, conceptual, mathematical study of the topics related to classical and modern physics. Although the course focuses more on the relational and conceptual aspects of the science, the required mathematics serves as the structural foundation for most topics which are presented. The topics are presented in a logical sequence so that conceptual and mathematical relationships can be explored and established. The topics covered are: Mechanics, Wave Motion, Light, Sound, Energy, Electrostatics, and DC Circuits. Course requirements are: frequent written assignments and quizzes, as well as chapter tests.

Course Name		Number	Weight	Semester	Credits
AP Physics I: Algebra-Based	New Course!	5032	5.0	Both	1.0

AP Physics 1 is a college-level, algebra-based laboratory science course that examines fundamental principles of physics through inquiry and experimentation. Students study topics including motion, forces, energy, momentum, rotational motion, and introductory electricity and waves. Emphasis is placed on conceptual understanding, data analysis, problem-solving, and scientific communication. Students may earn college credit by successfully completing the AP Physics 1 Exam, which is required.

Course Name	Number	Weight	Semester	Credits
AP Physics C: Mechanics	5033	5.0	Both	1.0

The Advanced Placement Physics course is designed to be comparable to a first year calculus-

based college course and closely follows the course syllabus as designed by the College Entrance Examination Board who administers the AP examinations. This course is devoted to a rigorous study of Mechanics and students will be expected to complete significant work outside of class. Calculus is used throughout the course where feasible, with both differential and integral calculus required throughout the year. This course is ideal for students interested in pursuing the STEM fields. Students must take the AP Physics C: Mechanics examination at the end of the year.

Electives

Course Name	Number	Weight	Semester	Credits
Environmental Science	5041	4.0	Both	1.0

This interdisciplinary course examines the interaction between humans and the natural world and explores solutions to environmental challenges. Students study natural systems, technological influences, and social factors that shape environmental impact. Emphasis is placed on collaboration and real-world problem-solving through laboratory investigations, field experiences, discussions, and project-based learning that often draws on local resources.

Course Name		Number	Weight	Semester	Credits
Bioengineering	New Title!	5042	4.0	Both	1.0

This hands-on, project-based course introduces students to the principles and real-world applications of bioengineering and regenerative medicine. Students work in teams as biotechnology companies, applying engineering and biological concepts to design and test solutions such as injury repair, prosthetics, tissue scaffolds, neural interfaces, and cardiac assist devices. The course also explores modern biotechnology techniques, bioethics, and the societal impact of emerging medical technologies. Guest speakers, field experiences, and collaborative challenges provide students with direct exposure to careers and innovations in the biotechnology field.

Course Name	Number	Weight	Semester	Credits
Honors Anatomy & Physiology	5043	4.5	Both	1.0

Anatomy/Physiology is a study of the structure and function of the human body. This course will be a fast-paced Anatomy course that is designed for students with demonstrated ability in science and will enhance the education of students considering a career in biological studies, medical science and other science-based careers. All body systems are covered in detail, and various major dissections are performed. Due to the nature of this course, students are expected to study and complete homework on a regular basis. The majority of class time will be devoted to lab investigations, instructional videos, guest speakers, field trips, numerous group projects, and discussion. Evaluation is based on tests, written assignments, and labs. This course is open to juniors and seniors.

World Languages

French

Move UP 1 Level	85% in current course

Course Name	Number	Weight	Semester	Credits
French I	6011	4.0	Both	1.0

This course introduces the students to the four skills necessary in learning a foreign language: speaking, listening comprehension, writing and reading. The first two are especially emphasized in addition to pronunciation and phonetics. Through the use of spoken and written practice of real-life language tasks, the student acquires new phrases and vocabulary necessary for conversation and functioning in a French-speaking environment. Oral and listening exercises reinforce the new vocabulary, grammar and cultural notes. Text used is *D'accord ! Langue et culture du monde francophone*. The grade will be based on quizzes, tests, class participation and homework submitted on Central's learning management system.

Course Name	Number	Weight	Semester	Credits
French II	6012	4.0	Both	1.0

This course comprises the second stage of a proficiency-based program designed to provide maximum opportunities for students to develop listening, speaking, reading and writing skills. It continues with the next sequential units presented in the *D'accord ! Langue et culture du monde francophone* textbook. Some review of material from the second semester of French I is conducted to reinforce previously acquired structures and vocabulary before proceeding into new topics and cultural explorations. Each student is responsible for mastering both the previous and new structures and vocabulary presented in the course. The grade will be based on tests, quizzes, class participation and homework submitted on Central's learning management system.

Course Name	Number	Weight	Semester	Credits
Honors French III	6013	4.5	Both	1.0

This course wraps up the final content provided in the *D'accord ! Langue et culture du monde francophone* textbook. This class is an elective for those students who exhibit both the interest and ability to continue at this level. Students are expected to perform daily in a somewhat more intimate environment, as class size is usually smaller than during their first two years. In addition, greater oral proficiency is expected since the student should by this stage have acquired a solid base of both basic structures and vocabulary. Listening skills are also emphasized to facilitate and strengthen comprehension. Review of vocabulary and grammar is integral to the class, with some introductory review of the closing material from French II before embarking on entirely new language and cultural topics from the final units of the textbook. Evaluation is through quizzes, tests, participation, homework submitted on Central's learning management system and a final project presented in class.

Course Name	Number	Weight	Semester	Credits
Honors French IV	6014	4.5	Both	1.0

This class continues with a review of the closing units in the first volume of the *D'accord ! Langue et culture du monde francophone* textbook before delving into more advance grammar and structures in the second volume. Since the class is smaller than in previous years, it is possible to utilize much more French in all activities, as students are encouraged to converse on diverse topics touching on the French-speaking world. Notebooks need always to be ready as new structures and vocabulary are introduced at a now irregular frequency and pace. The student must become more independent in his review of previous work and words. Compositions will be more important and frequent, based both on readings and video media that increase student awareness of the various francophone cultures throughout the world. Since students are rewarded with honors credit, their work is expected to be at that level, with assignments extending from written submissions to oral presentations for grading purposes.

Latin

Move UP 1 Level	85% in current course

Course Name	Number	Weight	Semester	Credits
Latin I	6021	4.0	Both	1.0

The Latin I course exposes the student to the language and culture which are one of the pillars of Western Civilization. The goal of this course is to develop in the students the ability to read and understand Latin prose with fluency while avoiding direct translation. The students accomplish this by learning vocabulary, memorizing and understanding inflected forms, completing grammar and syntax exercises and reading Latin prose. Students also study English derivatives and Latin bases and prefixes which form so many words in the English lexicon. These tasks are the basic building blocks for building confidence and fluency in Latin. The students are also enriched by the study of the cultural aspects of the Roman civilization and its enduring legacy today.

Course Name	Number	Weight	Semester	Credits
Latin II	6022	4.0	Both	1.0

The Latin II course continues the students' progress in learning the Latin language, building on the foundation of grammar and vocabulary from Latin I. Students learn new forms of nouns and verbs and grammatical constructions that greatly increase their ability to read and write with confidence in Latin. Students also learn new Latin vocabulary and develop their ability to analyze the many English words that have a Latin origin, while strengthening their understanding of both Latin and English grammar. Throughout the course, students encounter Roman history, culture, and language, and learn how they have been influential in our history in law, medicine, religion, and science, and continue to be so today.

Course Name	Number	Weight	Semester	Credits
Honors Latin III	6023	4.5	Both	1.0

Honors Latin III completes students' foundational study of the Latin language and prepares them to read original Latin texts with accuracy and confidence. Students review and expand grammatical skills, including mastery of advanced constructions such as the subjunctive mood, while strengthening reading, writing, and translation skills. The course also examines the influence of Latin on English vocabulary and explores the lasting impact of Latin language, culture, and history on law, science, religion, medicine, and the modern world. Honors credit reflects the course's increased rigor and expectations.

Course Name	Number	Weight	Semester	Credits
Honors Latin IV	6024	4.5	Both	1.0

Honors Latin IV is an advanced, college-level Latin course focused on reading and analyzing Vergil's Aeneid. Students translate selections from the epic, refine grammatical and vocabulary skills, and study poetic techniques and meter. Through reading the poem in both Latin and English, students explore themes of Roman history, mythology, and culture and their continued relevance today. The course is offered as a College in High School option through the University of Pittsburgh, with the same academic expectations for all students.

Spanish

Maintain Current Level	90% in current course
Move UP 1 Level	93% in current course
Advance into AP	95% in Honors Spanish III

Course Name	Number	Weight	Semester	Credits
Spanish I	6031	4.0	Both	1.0

Spanish 1 introduces the student to all three modes of communication: interpersonal (speaking), interpretive (reading and listening), and presentational (speaking and writing). The students learn basic grammar and syntactical structures. Many cultures of the Spanish speaking world are explored as an integral part of the course. Students are evaluated daily on their ability to orally respond in class in Spanish. In addition, students will be evaluated with a departmental proficiency rubric through various communicative activities and assessments.

Course Name	Number	Weight	Semester	Credits
Spanish II	6032	4.0	Both	1.0

The goal of Spanish II is that students will be able to perform basic language functions such as: discussing health and mood to a doctor, expressing likes and dislikes, and introducing the past tense to discuss hobbies and interests. As in Spanish I, the target language will be used for all but

difficult grammatical situations. Evaluation will be based on quizzes, projects, homework, class work, and participation. Students will also learn about the key aspects of Hispanic culture.

Course Name	Number	Weight	Semester	Credits
Honors Spanish II	6033	4.5	Both	1.0

Honors Spanish II has as its goal the preparation of students for the Honors Spanish III course. Students enter this course with the hope of continuing to study Spanish for all 4 years. Honors Spanish II is an accelerated course in which second-year material will be covered more quickly and in greater depth than a regular class. Additional writing and listening comprehension activities will be part of the course, as well as individual and group activities. Evaluation will be based on written assessments and projects using a departmental proficiency rubric, homework, class work, listening comprehension, grammar and vocabulary skills, oral proficiency, and participation. Many cultures of the Spanish speaking world are explored as an integral part of the course.

Course Name	Number	Weight	Semester	Credits
Spanish III	6034	4.0	Both	1.0

Spanish III is designed for the student who has the interest and the ability to pursue language study at the third-year level. The purpose of the course is to increase the student's oral, grammatical and comprehension abilities. Evaluation will be based on written assessments and projects using a departmental proficiency rubric, homework, class work, listening comprehension, grammar and vocabulary skills, oral proficiency, and participation. Many cultures of the Spanish speaking world are explored as an integral part of the course.

Course Name	Number	Weight	Semester	Credits
Honors Spanish III	6035	4.5	Both	1.0

Third year students gain a final year of preparation for the rigor of AP Spanish: Language and Culture. Fourth-year students who are unprepared for AP Spanish: Language and Culture also have a capstone available in Honors Spanish IV. This course is designed to provide students the opportunity to further develop communication and comprehension abilities, as well as his knowledge of the Hispanic world. Students continue to develop grammatical skills not yet developed in previous courses. Evaluation will be based on written assessments and projects using a departmental proficiency rubric, daily conversations in Spanish in the classroom, and oral and written work.

Course Name	Number	Weight	Semester	Credits
Honors Spanish IV	6041	4.5	Both	1.0

After three years of Spanish, the fourth-year student now has the background to concentrate on the skills which most interest him. Honors Spanish: Advanced Language Development is designed to provide each student with opportunities to improve his speaking, writing, reading and comprehension abilities, as well as his knowledge of the Hispanic world. In conjunction with the cultural, historical readings, the student reviews and practices grammar. Evaluation will be based on written assessments and projects using a departmental proficiency rubric, daily conversations

in Spanish in the classroom, and oral and written work.

Course Name	Number	Weight	Semester	Credits
AP Spanish Language & Culture	6042	5.0	Both	1.0

AP Spanish is directed toward the use of the Spanish language through print texts, audio texts, email replies, interpersonal conversations, persuasive essays, and oral presentations in the target language. The course is divided into six themes: Beauty and Aesthetics, Global challenges, Science and Technology, Contemporary Life, Personal and Public Identities, and Families and Communities. The Temas textbook series, as well as other sources, are used throughout the year. Students are required to take the AP Spanish Language Exam in May.