

Class of 2027

Incoming Freshman

Course Selection Information

Review this information about the elective course options available for our incoming freshmen.
Registration and Scheduling for Course Selection Meetings with Joliet Central Counselors and Staff begins in December.

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Joliet Central H.S. Freshman Registration Sheet, Class of 2027

Student Name: _____

Legend:

Courses in **Bold** meet NCAA Clearinghouse Requirements
****** indicates a course that, if failed, must be re-taken

Required Courses

(All students will take one of each of the following core courses.)

Placement in additional academic course or Honors level courses will be made based on student scores and recommendations.)

English:

___ Pre AP English 1**

Mathematics:

___ Algebra 1**
 ___ AMPED on Algebra**

Science:

___ Biology**

Social Science:

___ Pre AP World
History & Geography**

Applied Life:

___ PE 1 OR ___ ROTC

Students should choose five possible courses and rank them from first choice (1) to last choice (5).

Elective Choices

<p>Technology & Engineering: ___ Orientation to Technology ___ PLTW Introduction to Engineering</p>	<p>Communicative Arts: ___ Drama 1 ___ Multi Media Journalism And Writing</p>
<p>Music: ___ String Orchestra*** ___ Concert Band*** ___ Symphonic Band*** ___ Music Appreciation</p> <p style="text-align: center;">***Prior band/orchestra experience recommended</p>	<p>Business Education: ___ Orientation to Business ___ AP Computer Science Principles</p>
<p>Social Science: ___ The African and Latin Am Exp to 1865 (S) ___ The African and Latin Am Exp from 1865 (S)</p>	<p>Family & Consumer Science: ___ Orient to Human & Public Service</p> <p>Health Occupations: ___ Health Sciences ___ PTLW Principles of Biomedical Science</p>
<p>World Language:</p> <p>___ French ___ Heritage Spanish ___ Spanish ___ American Sign Language</p>	

Technology & Engineering:

Orientation to Technology

Prerequisites: None

During the first semester, students will identify and evaluate personal goals, priorities, aptitudes, and interests with the goal of helping them make informed decisions about their careers. These courses expose students to various sources of information on career and training options and may also assist them in developing job search and employability skills.

During the second semester, students will learn strategies that enable students to build their own understanding of new ideas. It is designed to engage students in exploring and deepening their understanding of “big ideas” regarding technology and apply technological processes to solve real problems and develop knowledge and skills to design, modify, use and apply technology in the following areas: engineering design, manufacturing technologies, construction technologies, energy & power, information & communication technologies and emerging technologies.

PTLW Into to Engineering

Prerequisites: Successful completion of Algebra 1 or concurrent enrollment in Honors Algebra 1 or Algebra without support.

Students engage in open-ended problem solving, learn and apply the engineering design process, and use the same industry-leading technology and software as are used in the world’s top companies. Students are immersed in design as they investigate topics such as technical sketching and drawing, modeling, measurement, geometry and statistics.

Communicative Arts:

Drama 1

Students will study acting, dramatic production, and the history of drama. Students will read plays, act, direct and produce. Students will receive training in voice techniques, bodily action, and dramatic techniques.

Multi Media Journalism and Writing

Prerequisite: Successful complete of English 1 and/or strong writing skills.

Students will be introduced to the world of multimedia, learn various forms of journalistic writing across the media, print, Web, and broadcast, as well as basic web and hard copy production and editing.

Arts:

Intro to Studio Art

Introduction to Studio Art introduces students to many different artistic areas in order to discover interests and abilities for further study. Students will learn the primary skills of many visual art processes as well as design and creative strategies, while also having fun experimenting with new materials, exploring the meaning of art and artist’s work, and making personal connections to their lives through art. Students explore collaborative artmaking, personal expression, and the idea of building a “portfolio” of their work through a process of documentation and presentation. A variety of artistic media are used to develop artistic concepts, including clay, graphite & colored pencil, acrylic painting, pen & ink, and more. Some of the activities in the course include handmade sketchbooks, expressive self-portraits, hand-built ceramics & narrative artwork. This course enables the student to meet all the State Academic Standards for Visual Arts.

Music:

String Orchestra

Prerequisite: Middle School Orchestra Experience or Director's recommendation

Students will apply their musical knowledge and skills to traditional, classical, contemporary, and popular string literature through performance. The course includes performances at Open House, concerts at both West and Central campuses, contest, and field trips. The opportunity also exists to audition for the Symphony Orchestra which meets as a co-curricular ensemble one evening a week.

Concert Band

Prerequisite: Middle School band experience

Students will apply their musical knowledge and skills to traditional, classical, contemporary and popular band literature through performance. The course includes concerts, contests, clinics, field trips, parades, and home football games.

Symphonic Band

Prerequisite: Audition and Middle School Band Director's recommendation

Students will apply advanced musical knowledge and skills to advanced high school, college and professional band literature through performance. The course includes concerts, clinics, field trips, parades, and home football games.

Music Appreciation

Students will examine, listen to, and evaluate music from the classical music traditions of the past, as well as of today's society. The content of the specific musical style will be described and explained based on the standards of the genre. In addition to analysis, this class will use music as a tool for connection and application of other studies.

Mixed Chorus

Students will experience singing in a large choral group setting with a focus on mixed rather than single gender literature. Throughout this course, students will benefit from proper vocal training in a variety of musical styles including classical, gospel, jazz, pop, and ethnic music. Students will also be a part of at least two concerts per year, as well as field trips, and/or contests, and clinics.

Ensemble

Students within this non-audition ensemble with a focus on single gender literature will demonstrate basic proper vocal production and knowledge of various genres including classical, gospel, jazz, pop, and Broadway musicals. Students will perform in at least two concerts a year and participate in field trips. Students will also participate in contest and/or clinics.

Concert Choir

Students who have a musical background and are looking for a challenging choral experience will progress further in the study of advanced vocal production in this audition-only group. Throughout this course, students will perform more sophisticated repertoire ranging from Baroque up through the 21st Century, including non-classical music, as well as Broadway, and Jazz. Students will also experience clinics, concerts, and/or guest artists as part of the class.

Business Education:

Orientation to Business

Prerequisite: None

During the first semester, students will identify and evaluate personal goals, priorities, aptitudes, and interest with the goal of helping them make informed decisions about their careers. These courses expose students to various sources of information on career and training options and may also assist them in developing job search and employability skills.

During the second semester, students will survey an array of topics and concepts related to the field of business. These courses introduce business concepts such as banking and finance, the role of government in business consumerism, credit, investment, and management. They usually provide a brief overview of the American economic system and corporate organization.

Introductory Business courses may also expose students to the varied opportunities in secretarial, accounting, management, and related fields.

AP Computer Science Principles

Students will learn various programming languages and create digital artifacts with practical, personal and social intent. This course is recommended for all students interested in a career within the Information Technology pathway. Students will use computing to explore and discover the connections within information; practice using mathematical and logical programming concepts; and explore the building blocks behind the Internet while learning how the Internet functions. Students will have the opportunity to investigate the links between Information Technology and other career pathways such as medicine, engineering, business, human services, and the arts.

Family & Consumer Science:

Orientation to Family & Public Services

Prerequisite: None

During the first semester, students will identify and evaluate personal goals, priorities, aptitudes, and interests with the goal of helping them make informed decisions about their careers. These courses expose students to various sources of information on career and training options and may also assist them in developing job search and employability skills.

During the second semester, students will be introduced to the field of family and consumer sciences and the many career opportunities available in this broad field. The course includes theory and laboratory experiences in the following content areas: Nutrition and culinary arts; textiles and design; family, career, and community leadership development; resource management; human development and life-long learning; facility design, care, and management; and interpersonal relationships and life management skills.

Social Science:

The African and Latin Experience to 1865

Students will analyze the political, economic, social, and cultural experiences of African Americans and Latinos from Ancient African civilizations to the conquest of the Americas through the Mexican American War and the abolition of Slavery. Emphasis will be placed on critical thinking, writing, and research skills while paying special attention to the application and synthesis of course content.

The African and Latin Experience from 1865

Students will analyze the political, economic, social, and cultural experiences of African Americans and Latinos from reconstruction in the United States and the rise of Caudillaje in Latin America to contemporary issues facing Blacks and Latinos throughout the world. Emphasis will be placed on critical thinking, writing, and research skills while paying special attention to the application and synthesis of course content.

Health Occupations:

Health Sciences

Students will explore careers in the health, medicine, and veterinary fields in this extensive course in the Health Occupations sequence. Students develop skills and knowledge in anatomy and physiology, first aid, and Basic Life Support (BLS) for health care providers. Students will also research the educational requirements and pathways for a variety of health related careers.

PTLW Principles of Biomedical Science

Students will explore concepts of biology and medicine to determine factors that led to the death of a fictional person. While investigating the case, students examine autopsy reports, investigate medical history, and explore medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, basic biology, medicine, and research processes while allowing them to design their own experiments to solve problems.

World Language:

French

Students will explore the French language using speaking activities, technology, interactive games, videos, French readings, and map work. Students will also gain an appreciation for French culture and its influence in the world. Active participation will increase a solid foundation for communicating in French by developing skills in speaking, reading, writing, and listening.

Spanish

Students will begin to develop the four basic skills of listening, reading, writing and speaking in Spanish. The course focuses on communicating in Spanish, gaining an understanding of Hispanic cultures, connecting with other disciplines, comparing one's own native language to Spanish, and participating in multicultural communities. The primary cultural focus is on the country of Mexico.

Heritage Spanish

Prerequisites: Students must be "auditory positive" in Spanish.

Students who are already able to speak and comprehend the Spanish language should take this course to expand their literacy and vocabulary skills in Spanish. Emphasis will be placed on current events, pop culture, and literature.

American Sign Language

Students will learn about the history of American Sign Language (ASL), deaf culture, and how to communicate with the deaf and hard of hearing.

Math:

AMPED on Algebra

Prerequisites: On track for Algebra 1

AMPED, Algebra I in Manufacturing Processes, Entrepreneurship and Design (AMPED) is an Algebra I course taught using project-based learning. AMPED contextualizes manufacturing processes and business standards using principles of Algebra I, through teaching quadratics and the law of diminishing returns. Learners using AMPED curriculum will operate a business running a fabrication lab customizing textiles and manufacturing wood, metal, and/or plastic goods. The proceeds generated from the business are then utilized to fund the venture and provide philanthropic opportunities for community service, or monetary gifts to local charities. Students learn skill sets in engineering techniques including sublimation, CNC operations, and rapid prototyping. Other areas for student engagement include composite technologies, alternative energies, and automation robotics.

Joliet Central High School Course Planning Guide

Grade 9 English (must take each year)	Grade 10 English (must take each year)	Grade 11 English (must take each year)	Grade 12 English (must take each year)
Pre-AP English 1 Pre-AP English 1 Honors	English 2 English 2 Honors	English 3 English 3: Power, Privilege & Justice in America AP English 3	English 4: Introduction to Rhetoric AP English 4 *Rhetoric 101/102
Grade 9 Math (need 3 years)	Grade 10 Math (need 3 years)	Grade 11 Math (need 3 years)	Grade 12 Math (need 3 years)
Algebra 1 Algebra 1 Block AMPED on Algebra Algebra 1 Honors	Geometry Geometry Block Geometry Honors	Advanced Algebra Advanced Algebra Block Advanced Algebra Honors	No Course Required
Grade 9 Science (need 2 years)	Grade 10 Science (need 2 years)	Grade 11 Science (need 2 years)	Grade 12 Science (need 2 years)
Biology 1 Biology 1 Honors	Physics 1 Physics 1 Honors	No Required Course	No Course Required
Grade 9 Social Studies (need 2.5 years)	Grade 10 Social Studies (need 2.5 years)	Grade 11 Social Studies (need 2.5 years)	Grade 12 Social Studies (need 2.5 years)
Pre-AP World History & Geography AP Human Geography	No Required Course	US History AP US History	Economics/Consumer Education American Government AP Micro Economics AP American Government
Grade 9 PE/ROTC (must take each year)	Grade 10 PE/ROTC (must take each year)	Grade 11 PE/ROTC (must take each year)	Grade 12 PE/ROTC (must take each year)
PE 1 ROTC 1	PE 2 Health ROTC 2-4 *Drivers Education available after school	PE 3/4 – Competitive Education PE 3/4 – Recreational Education PE 3/4 – Dance Education PE 3/4 – Adventure Education Athletic Performance Strength Training Conditioning Peer Trainer PE Leadership ROTC 2-4 Drivers Education	PE 3/4 – Competitive Education PE 3/4 – Recreational Education PE 3/4 – Dance Education PE 3/4 – Adventure Education Athletic Performance Strength Training Conditioning Peer Trainer PE Leadership ROTC 2-4 Drivers Education

Students planning to enter a four-year university or who plan to enroll in a community college transfer degree program should complete the following:

English – 4 years Math (including Algebra, Geometry, Advanced Algebra) – 4 years

Science (must be Laboratory Sciences) – 3 years Social Science – 3 years

Each college has its own entrance requirements, and it is essential that parents & students carefully review the specific requirements for admission to the colleges being considered.

ELECTIVE CHOICES

Communicative Arts	9	10	11	12
Drama 1	X	X	X	X
Drama 2		X	X	X
Theatrical Studies		X	X	X
MMedia Journ. & Writing	X	X	X	X
Adv. MMedia Jour. & Writ.		X	X	X

Mathematics	9	10	11	12
Transition to College Math				X
Pre-Calculus			X	X
Probability & Statistics			X	X
*Pre-Calc/Trig Honors			X	X
*AP Statistics			X	X
*AP Calculus A/B			X	X

Social Studies	9	10	11	12
<i>Hist. of African & Latin Am Exp - 1865</i>	X	X	X	X
<i>Hist. of African & Latin Am Exp 1865 - pre</i>	X	X	X	X
<i>Law</i>		X	X	X
<i>Psychology</i>		X	X	X
<i>Sociology</i>		X	X	X
<i>AP European History</i>		X	X	X
<i>AP Psychology</i>		X	X	X

Family & Consumer Sci.	9	10	11	12
Orientation to Human & Public Service	X	X	X	X
Food Fundamentals B		X	X	X
Culinary Arts 1		X	X	X
*Culinary Arts 2			X	X
Fashion Construction 1& 2		X	X	X
Apparel Merch/Design			X	X
Interior Design		X	X	X
*Consumer Economics B		X	X	X
Child Development		X	X	X
*Early Childhood Ed. B			X	X
*Exp the Teaching Profession			X	X
Occ Child Care (parents)	X	X	X	X
Cosmetology				X

Health Occupations	9	10	11	12
Health Science B	X	X	X	X
Health Info Tech		X	X	X
Medical Law & Ethics		X	X	X
<i>PTLW Prin of Biomed.Sci.</i>	X	X	X	X
<i>PTLW Human Body Systems</i>		X	X	X
<i>PTLW Medical Interventions</i>			X	X
<i>PTLW Biomedical Innovation</i>				X

Fine Arts	9	10	11	12
Introduction to Studio Art	X	X	X	X
Drawing & Painting Studio		X	X	X
Adv. Drawing & Painting Studio			X	X
Sculpture Studio		X	X	X
Adv. Sculpture Studio			X	X
AP Studio Art-1			X	X
AP Studio Art-2				X
AP Studio Art-3				X
Introduction to Band	X	X	X	X
Concert Band	X	X	X	X
Symphonic Band	X	X	X	X
AP Music Theory		X	X	X
String Orchestra	X	X	X	X
Chamber Orchestra		X	X	X
Mixed Chorus	X	X	X	X
Concert Choir	X	X	X	X
Ensemble	X	X	X	X
Music Appreciation 1 & 2	X	X	X	X

World Language	9	10	11	12
<i>French 1</i>	X	X	X	X
<i>French 2</i>	X	X	X	X
<i>French 3</i>	X	X	X	X
<i>French 4</i>	X	X	X	X
<i>Spanish 1</i>	X	X	X	X
<i>Spanish 2</i>	X	X	X	X
<i>Spanish 3</i>	X	X	X	X
<i>Spanish 4</i>	X	X	X	X
<i>AP Spanish Lang & Culture</i>		X	X	X
<i>AP Spanish Lit & Culture</i>		X	X	X
<i>Heritage Spanish 1</i>	X	X	X	X
<i>Heritage Spanish 2</i>		X	X	X
<i>American Sign Language 1</i>	X	X	X	X
<i>American Sign Language 2</i>		X	X	X

Business Education	9	10	11	12
Orientation to Business	X	X	X	X
Graphic/Web Design		X	X	X
Animation & Video Editing		X	X	X
AP Computer Science Prin	X	X	X	X
AP Computer Science A		X	X	X
Accounting 1		X	X	X
Marketing			X	X
Exp. Entrepreneurship			X	X

Science	9	10	11	12
<i>Chemistry 1</i>		X	X	X
<i>Chemistry Honors 1</i>		X	X	X
<i>Forensic Science 1</i>		X	X	X
<i>Forensic Science 2</i>		X	X	X
<i>Environmental Science</i>		X	X	X
Medical Terminology		X	X	X
<i>AP Biology</i>			X	X
<i>*Biology 151/152</i>				X
<i>AP Physics 1</i>		X	X	X
<i>AP Physics 2</i>			X	X
<i>AP Chemistry</i>			X	X
<i>AP Environmental Science</i>		X	X	X
<i>*Chemistry 101/102</i>				X

Technology & Engineering	9	10	11	12
Orientation to Technology	X	X	X	X
Electronics & Robotics 1		X	X	X
Electronics & Robotics 2		X	X	X
Metals Tech		X	X	X
Welding Tech		X	X	X
Auto Tech		X	X	X
*Voc Auto Mech 1 (3 hrs)		X	X	X
*Voc Auto Mech 2 (3 hrs)			X	X
Woods & Construction 1		X	X	X
Woods & Construction 2		X	X	X
Woods & Construction 3			X	X
Photo Comm 1		X	X	X
Photo Comm 2		X	X	X
AP Studio Art - Photo			X	X
PLTW Intro to Engineering	X	X	X	X
PLTW Principles of Engineering		X	X	X
PLTW Engineering Des. & Dev			X	X
* Engineering & Architect. 1		X	X	X
* Engineering & Architect. 2			X	X
* Engineering & Architect. 3				X
Computer Maintenance & Repair		X	X	X
3D Comp Animation		X	X	X
Inter-Related Occupations				X

JJC Career Programs	9	10	11	12
*JJC Certified Nurse Assistant				X
*JJC Fire Science Program				X
*JJC Law Enforcement Program				X
*JJC AIM Program				X
*JJC ACE Program				X

JJC Science Courses	9	10	11	12
* HORT 185-Arbiculture				X
*HORT 100-Intro to Horticulture				X
*HORT 281-Greenhouse Mgmt & Prod				X
*HORT 250-Landscape Plans				X
*HORT 280-Floral Design				X