

Joliet Central H.S. Freshman Registration Sheet, Class of 2025

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:

- _____ English 1**
- _____ Literacy 1

Mathematics:

- _____ Algebra 1**

Science:

- _____ Biology**

Social Science:

- _____ World Affairs**

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

Technology & Engineering:

- _____ PLTW Introduction to Engineering
- _____ Automotive Technology
- _____ Electronics & Robotics 1
- _____ Metals Technology
- _____ Woods Technology
- _____ Tech CAD Drafting

- _____ Photography
- _____ A+ Certification
- _____ Welding Technology
- _____ 3-D Computer Animation
- _____ Animation/Video Editing

Communicative Arts:

- _____ Drama 1
- _____ Multi Media Journalism And Writing

Arts:

- _____ Introduction to Art

Music:

- _____ String Orchestra***
- _____ Concert Band***
- _____ Symphonic Band***
- _____ Music Appreciation

- _____ Mixed Chorus
- _____ Ensemble
- _____ Concert Choir (by audition only)

Business Education:

- _____ Orient to Bus & Per Finance
- _____ Computer Application
- _____ AP Computer Science Principles
- _____ Graphic/Web Design

Family & Consumer Science:

- _____ Career Preparation (S)
- _____ Career Exploration (S)
- _____ Food Fundamentals
- _____ Child Development

***Prior band/orchestra experience recommended

Social Science:

- _____ The African and Latin Am Exp to 1865 (S)
- _____ The African and Latin Am Exp from 1865 (S)

Health Occupations:

- _____ Health Sciences
- _____ PTLW Principles of Biomedical Science

World Language:

- _____ French
- _____ Heritage Spanish
- _____ Spanish
- _____ American Sign Language
- _____ Spanish 2

Technology & Engineering:

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.

Automotive Technology

Students will explore careers in the transportation technology field. They will acquire general and technical knowledge and training related to the automobile with laboratory exercises on the electrical, fuel, mechanical, and chassis systems. A portion of the course deals with small engine repair.

Electronics & Robotics 1

Students will be introduced to basic components, electronic circuitry, electrical theory, testing and trouble shooting of both electric and digital electronic components through practical lab experiences. Students will also be introduced to robotics, electric power production, soldering, and theory progressing to applied wiring techniques used in both residential and commercial applications. Careers in electrical and electronic fields are also explored.

Metals Technology

Students will be exposed to a wide variety of metalworking experiences in this basic course. Units cover sheet metal, forging, heat treating and machine shop processes. Students will learn basic operations on bench tools, metal lathes, mills, grinders, and drilling machines. Career opportunities will also be explored.

Woods Technology

Students will learn the use of bench tools and machines through this basic construction course. Practical application is made through a series of small projects in building construction with emphasis on layout and planning. Use of hand and power tool will be taught. Woods Technology will give the student opportunities to develop desirable work habits and obtain building trades knowledge/skills.

Tech CAD Drafting

Students will be introduced to standard drafting practices as well as computer-aided drafting software programs to integrate drafting skills with computer technology. Students will develop an understanding of how C.A.D. is used in the employment field, its concepts, terminology and equipment and offers hands-on opportunities to perform tasks that take advantage of the capabilities of the microcomputer. 3-D modeling will be introduced. Career opportunities in C.A.D. will also be explored.

Photography

Students will learn photographic skills from camera operation to the darkroom to the computer. Students will learn to express their creativity in taking pictures, developing film, enlarging prints, making photo albums, layout and design, desktop publishing, sign making, and screen printing. Orientation to careers in photography and desktop publishing is included.

A+ Certification

Students will apply basic knowledge and skills to analyze, troubleshoot, and repair computers, printers, and other related devices. More and more employers each year are requiring the industry standard A+ Certification for employment in the Information Technology industry. This course provides students with the training, certification and the opportunity for work experience necessary to launch high-skill careers or pursue post-secondary education.

Welding Technology

Students will receive knowledge/skills in industrial trades through basic oxyacetylene cutting, brazing, and welding, S.M.A.W., G.T.A.W. welding, plasma cuttings, hand and power tools, troubleshooting equipment, layout and planning, and tungsten inert gas welding. Both theory and practice in various welding techniques are covered along with some project work. Orientation to welding careers is included.

3-D Computer Animation

Students will be introduced to the high-tech field of computer animation and three-dimensional designs used in such industries as game development, architectural and engineering walk-through, movies and videos. Topics include 2D and 3D drawing, compound object creation, lighting cameras, backgrounds, materials, special effects, and computer animation. Students will use 3D Studio Max software, Tutorial, and internet to complete assignments.

Animation and Video Editing

Animation: Students will use Adobe Flash software to develop interactive, animated graphics for games, websites, movies and desktop presentations. They will enhance their animations by drawing or importing graphics and incorporating sounds and text.

Video Editing: Students will use Adobe Premiere Pro software to create commercials, documentaries, training videos, and short movies. Through the use of digital still cameras and digital video cameras, this process will include scripting, storyboarding, video and audio editing

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 Art

Students will apply elements and principles of design, organize, visual content, and develop skills in the use of tools and materials to produce two-dimensional (drawing, painting, printmaking) and three-dimensional (sculpture, ceramics) works of art.

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:

Orient to Business & Personal Finance

Students will receive an orientation to the field of business with emphasis on business principles, communications, computations and how business interacts with society. Students will also be introduced to technology in business-related occupations and personal business and financial management. Students will be prepared to make wise decisions as consumers, wage earners, and citizens within our economy. Students will "play" the stock market as well as create and market their own product.

Computer Application

Students will learn computer skills for life and careers while designing creative projects. Computer skills will be developed through hands-on experiences using word processing, drawing tools, graphics, and the Internet. Regardless of their skill level, students will create many exciting projects in this fun-filled course. After successful completion of this class, students may be prepared for the MOS certification exam (WORD).

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.

Graphic/Web Design

Students will use Adobe Illustrator, InDesign, and Photoshop software to draw, paint, and lay out pages while creating enhanced, eye catching, professional designs and documents. They will manipulate photographs while using color printers, scanners, and digital cameras.

Family & Consumer Science:

Career Preparation

Students will explore a career pathway of their choice by developing an individual career plan. Course topics will provide students an opportunity to further their understanding of their career choice. Career readiness activities such as building communication skills, resume writing, and interviewing will be an integral part of the course.

Career Exploration

Students will gain an understanding of the many career opportunities within the five JTHS Career Academies. Students will explore and research careers within fourteen pathways and participate in hands-on learning activities. Research will include educational requirements, post-secondary options, and aspects of specific career environments. Individual Career Planning is a component of the course to better prepare students for their future.

Food Fundamentals

Students will study safety, sanitation, identification and use of equipment, and the preparation methods and standards of food production. Laboratory experiences supplement the class work with experiences in learning proper use of tools and equipment. The course provides an orientation to food preparation for the individual and for occupations in the food service industry.

Child Development

Students will examine the physical, social, emotional, and intellectual development of children and apply their learning in a classroom and lab setting. Students will create, develop and implement lessons, manage daily classroom routines, and applied through the teaching and observation phase of the lab component of the program.

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.

