

ST. LOUIS COMMUNITY SCHOOL HIGH SCHOOL 2021-2022 JUNIOR REGISTRATION WORKSHEET

COUNSELOR NOTES: American Studies: Y N

NAME _____ ID# _____ Student Phone # _____
Last First

COURSE #	CORE/REQUIRED ACADEMICS	
	English:	
	Math:	
	Science:	
	Social Studies:	
	PE/TWB or Elective	PE/TWB or Elective
ELECTIVES		ELECTIVES
	1	1
	2	2
	3	3
	4 LAS III or Elective	4 LAS III or Elective
	Alt. Course:	Alt. Course:

REQUIRED AND CORE ACADEMIC COURSES

ENGLISH LANGUAGE ARTS

1040	English III
1240	Honors English III
1462	AP English Literature and Comp.

MATH

5004	Algebra I
5025	Principles of Alg. & Geom.
5020	Geometry
5220	Honors Geometry
5040	Algebra II
5661	Applied Math (1 sem) ¹
5008	Discrete Math
5009	Pre-Calculus
5669	Calculus I (1 sem) ^{1,2}
5695	Calculus II (1 sem) ^{1,2}
5401	AP Statistics
	College Algebra (1 sem) ¹

SCIENCE

7000	Biology
7004	Physical Science
7023	Chemistry
7040	Physics
7005	Earth & Space Science
7021	Field Biology
7020	Bio II Lab
7421	AP Biology
7425	AP Chemistry

7422	AP Environmental Science
7623/7624	College Physics I & II ¹
	College Chemistry I & II ¹

PHYSICAL EDUCATION

6011	PE
6006	Total Wellbeing sem. 1
6007	Total Wellbeing sem. 2

SOCIAL STUDIES

8000	American History
8002	American Government (1 Sem)
8423	AP American History
8424	AP European History
8010	Next Gen. Finance (1 Sem)
8419	AP US Govt. & Politics
8622	US History to 1877 (1 Sem) ¹
8623	US History Since 1877: (1 Sem) ¹

FINE ARTS

2024	Concert Choir
2013	Orchestra
2035	Concert Band
2017	Hist. Am Pop Music (1 Sem)
2000	Art I 2D (1 Sem)
2001	Art I 3D (1 Sem)
1006	Play Production (1 Sem)
1007	Drama (1 Sem)
1005	Humanities (1 Sem)
4016	Design Studios (1 Sem)

ELECTIVE COURSE

General Electives	
X027	College & Test Prep Readiness (1 Sem)
2005	Harmony (1 Sem)
2027	Jazz Band (1 Sem)
2028	Jazz Improv (1 Sem)
2020	Art II – 2 Dimensional
2021	Art II – 3 Dimensional
2040	Art III – 2 Dimensional

2041	Art III – 3 Dimensional
2442	AP Studio Art: Drawing
1005	Humanities (1 Sem)
7003	Health I (1 Sem)
7024	Health II (1 Sem)
1041	Language Arts Support III
1003	Advanced Speech (1 Sem)
1004	Debate (1 Sem)

* Check *Course Planning Catalog* for a prerequisite or other additional information about this course.

7619	Human Anatomy & Physiology I (1 Sem) ^{1, 2}
7621	Human Anatomy & Physiology II (1 Sem) ^{1, 2}
8003	Economics (1 Sem)
8020	Sociology (1 Sem)
8021	Psychology (1 Sem)
8004	World Cultures (1 Sem)
4000	Individual and Families (1 Sem)
4029	Exploring FCS Pathways
9000	Industrial Arts Tech.
1008	Computer & Yearbook App.
1022	Mass Communications

Business/Accounting/Finance/Marketing	
B001	Accounting I
B020	Accounting II
B030	Accounting III
B019	Business 101
B601	Principles of Management (1 Sem) ¹
B600	Introduction to Business (1 Sem) ¹
B014	Sports & Entertainment Mgmt (1 Sem)
B007	Sales & Marketing (1 Sem)
B605	Principles of Marketing (1 Sem) ¹
B602	Human Resource Mgmt (1 Sem) ¹
B018	Business Entrepreneurship
B029	Microsoft Office Suite
B006	Business & Personal Law (1 Sem)

Agriculture	
900L	Intro to Ag, Food, & Nat Resources
	Wildlife Ecology
96D0A	Survey of Animal Industry (1 Sem) ¹
96D1B	Career Seminar (1 Sem) ¹
96D2A	Principles of Agronomy (1 Sem) ¹
96D3B	Foods of Animal Origin (1 Sem) ¹

Industrial Technology	
9015	Auto Body I
9699	Sheet Metal Fundamentals (1 Sem) ¹
96A0	Sheet Metal Welding (1 Sem) ¹
96B1	Plastic Repair (1 Sem) ¹
96B2	Structural Repair (1 Sem) ¹
96E4	Intro to Auto Tech (1 Sem) ¹
9697	Auto Electricity/Electronics (1 Sem) ¹
96B4	Auto Engine Repair (1 Sem) ¹
9698	Auto Electrical Systems (1 Sem) ¹
9022	Power Mechanics
9031	Welding I

Computer Science/IT/Networks	
900J	Computer Science Essentials
9418	AP Computer Principles
9419	AP Computer Science A
900K	Cybersecurity – PLTW
9612	IT Essentials (1 Sem) ¹
9622	IT Essentials Advanced (1 Sem) ¹
9696	Fundamentals of Network Security (1 Sem) ¹
9695	Configuring Windows (1 Sem) ¹

Culinary	
4021	Culinary Essentials
4022	Pro-Start I
4023	Pro-Start II

Construction and Home Building	
9004	Woodworking Technology
9008	Intro to Construction Shop
9G18A	Basic Framing Techniques (1 Sem) ¹
9GA4B	Intro to Drywall (1 Sem) ¹
9GA6B	Wall Coverings & Coatings (1 Sem) ¹

Education	
4619	Intro to Early Childhood Ed (1 Sem) ¹
4620	Child, Health, Safety, & Nutrition (1 Sem) ¹
4621	Early Childhood Curriculum (1 Sem) ¹
4622	Early Childhood Guidance (1 Sem) ¹
8600	Foundations of Education (1 Sem) ¹
8653	Human Rel. for Clssrm Teacher (1 Sem) ¹
	Educational Psychology (1 Sem) ^{1, 2}
	Technology for the Clssrm Teacher (1 Sem) ^{1, 2}
6610	Coaching, Ethics, Techniques & Theory (0.25 Sem) ¹
6611	Athletic Development & Human Growth (0.25 Sem) ¹
6612	Body Structure and Function (0.25 Sem) ¹
6613	Athletic Injury Prevention (0.25 Sem) ¹

Engineering/Project Lead the Way	
9655	Introduction to Engineering Design ¹
9656	Principles of Engineering ¹
9029	Civil Engineering & Architecture
9030	Engineering Design & Development
9660	Digital Electronics ¹

Fashion and Design	
4015	Sewing Tech Basics (1 Sem)
4016	Design Studio (1 Sem)
4024	Applied Sewing Tech & Textiles
4030	Fashion Analysis
4027	Interior Design Studio (1 Sem)

Graphic Design and Communication	
B620	Digital Imaging (1 Sem) ¹
B607	Digital Color Theory (1 Sem) ¹
B615	Vector Drawing (1 Sem) ¹
B621	Digital Imaging II (1 Sem) ¹
B622	Social Media Explored (1 Sem) ¹
9658	Digital Photography (1 Sem) ¹

Police and Fire Science	
96E0	Principles of Emergency Services (1 Sem) ¹
96E1	Fire Protection Systems (1 Sem) ¹
7635	Emergency Medical Responder (1 Sem) ^{1, 2}
8603	Intro to Criminal Justice (1 Sem) ¹
8609	Ethics in Criminal Justice (1 Sem) ¹

Medical and Health	
7016	Principles of Biomedical Science - PLTW
7026	Human Body Systems - PLTW
7036	Medical Interventions - PLTW
7613	Nurse Aide Theory (1 Sem) ^{1, 2}
7614	Nurse Aide Clinical (1 Sem) ^{1, 2}
7611	Medical Terminology (1 Sem) ¹
7615	Heath Careers and Teams (1 Sem) ¹

* Check *Course Planning Catalog* for a prerequisite or other additional information about this course.

World Language	
3011	Spanish I
3031	Spanish II
3051	Spanish III
3071	Spanish IV
3401	AP Spanish Language
3402	AP Spanish Literature

Air Force - JROTC	
X070	AS3 Exploring Space

¹ Dual Credit WITCC Course

² Denotes a requirement or pre-requisite

REGIONAL PATHWAY

Regional Pathways are college courses at Western Iowa Tech Community College (WITCC) focused on certificate and degree programs. These courses are held at WITCCe every morning from 8:30-10:30 AM. The high school will provide transportation to the college. These classes are for area high school students only.

Administrative Office Management	
This program prepares individuals to perform the duties of administrative assistants. It includes instruction in business communications, proofreading and editing, keyboarding and document processing, office procedures, business etiquette, basic accounting, filing systems and records management, and presentation preparation. Individuals also receive in-depth instruction in word processing, database, spreadsheet, and presentation software.	
Potential Careers	
Administrative Assistant, Facilities Manager, Records & Inventory Manager	
Years for Program	1
Total College Credits	18

Audio Engineering/Mass Communication	
This program presents the world audio, sound studio operations, current music technologies, and music and sound production as they are implements for music, film, video, television, and interactive media. Students will acquire skills in sound mixing and editing, using various kinds of audio recording equipment, and the ability to engage in sound design.	
Potential Careers	
Audio/Visual Technician, Audio Engineer, Broadcast Engineer	
Years for Program	
Total College Credits	

Business	
The courses in the business pathway are designed to transfer into a four year college business program.	
Potential Careers	
Accounting, Finance, Entrepreneurship	
Years for Program	1
Total College Credits	18

Cyber Security/Digital Crime	
This program is designed to fill a critical and growing need for cyber security personnel in the public and private sector. Students will learn about investigating computer crimes, properly seizing and recovering computer evidence, and aiding in the prosecution of cyber criminals. To combat computer related crime, students in the Cyber Security and Digital Crime program will also understand	

counter measures against hacking, spam, and computer viruses through network intrusion detection and evidence gathering.	
Potential Careers	
Information Security Officer, Forensic Computer Analyst	
Years for Program	1
Total College Credits	9

Electromechanical Technician	
This program begins to prepare students for an entry level position as an industrial mechanic or maintenance position. Electromechanical Technicians utilize knowledge and skills developed from learning various topics including electrical, mechanical, fluid power to maintain and repair industrial equipment and systems.	
Potential Careers	
Electromechanical Technician, Robotics Technician	
Years for Program	1
Total College Credits	9

Heating, Ventilation, Air Conditioning (HVAC)	
This program begins to prepare students for the study of air conditioning, heating, and refrigeration for residential and light commercial equipment. Students start training to be HVAC technicians in a real-world, hands-on lab environment.	
Potential Careers	
HVAC mechanic, HVAC technician, gas fitter	
Years for Program	1
Total College Credits	12

Industrial Drafting	
This program introduces design and Computer Assisted Drafting (CAD) training using the most-recent computer software such as AutoCAD and Solidworks. Students in this program will understand the fundamentals of drafting and design of 2 and 3D designs and models. Students learn the proper sketching, computer drafting techniques and views of drawings	
Potential Careers	
Mechanic drafter, CAD drafter, Architectural drafter	
Years for Program	1
Total College Credits	12

Manufacturing	
This program offers training in the use of conventional and automated machining & manufacturing equipment and software. Today manufacturing includes the use of computers, robots, 3D printing, CNC-computer numerical controllers, virtual reality, and many automated processes. Students will have the opportunity to work with industry recognized equipment and software such as HAAS, MasterCam, AutoCAD and ProEngineer.	
Potential Careers	
Robotics Technician, Automation Technician, Programmer, Assembler	
Years for Program	1
Total College Credits	10

Medical Office Support	
This program prepares students to use electronic records systems in creating, managing, retrieving and accessing electronic health records.	
Potential Careers	
Health Information Manager, Medical Coder, Analyst	
Years for Program	1
Total College Credits	29

* Check *Course Planning Catalog* for a prerequisite or other additional information about this course.

Mobile Game and App Development	
The Mobile Game and Application Development Diploma is designed to provide students the skills and knowledge required to design, develop, and deploy games and applications for one of the mobile devices platform (iOS, Android, or Windows Mobile) using current development tools and frameworks.	
Potential Careers	
Game Designer, App Developer, Game Programmer	
Years for Program	1
Total College Credits	12

Nursing (2 Year)	
This program generally prepares individuals in the knowledge, techniques and procedures for promoting health, providing care for sick, disabled, infirmed, or other individuals or groups. Includes instruction in the administration of medication and treatments, assisting a physician during treatments and examinations, referring patients to physicians and other health care specialists and planning education for health maintenance.	
Potential Careers	
Registered Nurse, Nurse Anesthetist, Health Educator	
Years for Program	2
Total College Credits	25

Nursing (1 Year)	
This program generally prepares individuals in the knowledge, techniques and procedures for promoting health, providing care for sick, disabled, infirmed, or other individuals or groups. Includes instruction in the administration of medication and treatments, assisting a physician during treatments and examinations, referring patients to physicians and other health care specialists and planning education for health maintenance.	
Potential Careers	
Registered Nurse, Nurse Anesthetist, Health Educator	
Years for Program	1
Total College Credits	12

Pharmacy Technician	
This program will prepare students for an entry-level pharmacy technician positions in both institutional and community pharmacy setting. A pharmacy technician is an individual who, under the supervision of a pharmacist, assist in the day-to-day pharmacy operations that do not require the professional judgment of a pharmacist.	
Potential Careers	
Pharmacy Technician, Billing Pharmacy Technician	
Years for Program	1
Total College Credits	13

Plumbing	
Plumbers make it possible to transport water, air, steam, gases, wastes, and different kinds of liquids throughout all types of buildings, from homes and offices to factories and hospitals. The students will have hands-on opportunities to install, maintain, and repair plumbing pipes, fixtures and appliances. This program also includes instruction in blueprint reading and final inspection and testing of all finished systems while adhering to the local codes.	
Potential Careers	
Plumbers, Pipefitters, Gasfitters, Fire Sprinkler Installers	
Years for Program	2
Total College Credits	28

Welding	
Prepare for a career in the manufacturing, fabrication, and structural steel industries. The program includes application of SMAW, GMAW, Oxy Fuel, FCAW, GTAW and Robotic Weld processes, using ferrous and non-ferrous metals. The program's curriculum is aligned to AWS national standards for entry level welders and includes safety, blueprint reading, and welding procedure specifications.	
Potential Careers	
Manufacturer, Welder, Fabricator	
Years for Program	2
Total College Credits	21

GRADUATION REQUIREMENTS

LANGUAGE ARTS (8 Credits)

2 credits of English I or Honors English I
 2 credits of English II, Honors English II, or AP Language & Composition
 2 credits of English III, Honors English III, or AP English Literature & Composition

2 credits of English IV or English Composition I & II

MATH (6 Credits)

2 credits of Math must include Algebra I
 4 additional Mathematics electives

SCIENCE (6 Credits)

2 credits of Science must include Biology
 2 credits of Physical Science and 2 credits of elective OR 2 credits of Chemistry and 2 credits of Physics

SOCIAL STUDIES (6 Credits)

2 credits of World History
 2 credits of American History (state required)
 1 credit of American Government (state required)
 1 credit of Next Gen Personal Finance (NGPF) (state required)

FINE ARTS (2 Credits)

These credits must be earned from two different areas: Music, Visual Arts, Dramatic Arts or Additional Courses listed under Fine Arts

PHYSICAL EDUCATION REQ. EACH YEAR

Board Policy 602.11 outlines exceptions and exemptions to this requirement.

ELECTIVES (15 Credits)

These can be a combination of any course.

Acknowledgment of Course Selection

We ask that students have conversations about course selection with a parent or guardian. With Sioux City Schools Career Academy and the district's partnership with Western Iowa Tech Community College (WITCC), our students have great career and post-secondary options in their remaining high school years. Students can learn up to 36 credits per year.

By signing and returning this sheet, you indicate that you had a conversation about the importance of focusing on core academics and career choices.

Student _____ Date _____

Parent/Guardian _____ Date _____

Professional School Counselor _____ Date _____

* Check *Course Planning Catalog* for a prerequisite or other additional information about this course.