# SIOUX CITY COMMUNITY SCHOOL HIGH SCHOOL
# 2021-2022 SENIOR REGISTRATION WORKSHEET

Do you plan on being a Virtual Learner in 2021:22:  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 | | 4 | |
| | Alt. Course: | | Alt. Course: | |

## REQUIRED AND CORE ACADEMIC COURSES

**ENGLISH LANGUAGE ARTS**

| | |
|---|---|
| 1060 | English IV |
| 1462 | AP English Lit. & Comp. |
| 1655/1656 | College Comp. I & II[1] |

**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 |
| 2060 | Art IV – 2 Dimensional |
| 2061 | Art IV – 3 Dimensional |
| 2442 | AP Studio Art: Drawing |
| 7003 | Health I (1 Sem) |
| 7024 | Health II (1 Sem) |
| 1003 | Advanced Speech (1 Sem) |
| 1004 | Debate (1 Sem) |

\*   Check *Course Planning Catalog* for a prerequisite or other additional information about this course.      2020-21 Grade 12th Course Offerings

| | |
|---|---|
| 1663 | Workplace Communications (1 Sem)[1] |
| 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 | Individuals & 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 |
| 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 (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] |
| 9688 | Essentials of Firefighter (1 Sem)[1,2] |
| 96E5 | Hazardous Materials (1 Sem)[1,2] |
| 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] |

| World Language | |
|---|---|
| 3011 | Spanish I |

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

| | | |
|------|--------------------|---|
| 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 |

## 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 an 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