

Current Grade \_\_\_\_\_ Student name \_\_\_\_\_

Date \_\_\_\_\_ Parent signature \_\_\_\_\_

**Course Interest Form (2022-23)**



12th

**Please return forms to Mr. Marshall on February 25th!**

**Agriculture, Food, and Natural Resources Pathway**

The Agriculture, Food and Natural Resources Pathway is about using your passion for science, agriculture, the environment or animals to prepare for careers that involve improving the quality and safety of food, cultivating and preserving our natural resources, and caring for animals.

Would you take this course?	Interest Level	1) Ag Classes	YES	NO	Length
<b>CLASS IS FULL for 2022-23</b>		<u>Animal Handling 1:</u> Do you dream of a career working with farm animals? Do you want to develop the skills to work with nearly any farm species in any setting? If so, this class is for you! This course takes a comprehensive approach to animal handling. *Prereq: Animal Science or Animal Health and Wellness			Sem.
<b>CLASS IS FULL for 2022-23</b>		<u>Animal Handling 2:</u> Is working with farm animals a passion of yours? If so, this class is for you. Be prepared to be out in fields and on farms working with a variety of farm species throughout the semester. *Prereq: Animal Science or Animal Health and Wellness			Sem.
Yes No	5 4 3 2 1 0	<u>Survey of the Animal Industry:</u> Are you interested in learning about different species of animals? This course introduces you to the various species and breeds of domestic animals and it creates an understanding of the principles of food animal production, product marketing, and issues confronting the animal industry.			Sem.
Yes No	5 4 3 2 1 0	<u>Vet Science:</u> Do you enjoy learning about animals? This course will investigate scientific concepts relating to the care of animals. Students will study the nutrition, safety, training, health, and general care of companion animals. The course will focus on dogs, cats, rabbits, birds, reptiles, and fish.			Sem.
Yes No	5 4 3 2 1 0	<u>Ag Business:</u> Would you like to learn more about businesses in agriculture? This class will introduce you to business management in agriculture. Throughout the course are practical and engaging activities, projects, and problems to develop and improve business and employability skills.			Sem.
Yes No	5 4 3 2 1 0	<u>Farm Business Management:</u> Are you considering a career in farm business management? Are you interested in assisting farm families in meeting their goals? If so, this course will provide opportunities for you to work closely with active, functional farmers and people interested in the farming business.			Sem.

*These courses could lead to an Agribusiness Administration Certificate from IWCC. Students may earn the certificate if courses are completed in high school, or these college credits may transfer to community colleges or universities.*

## Information Solutions Pathway

**The Information Solutions Pathway includes occupations related to information technology deployment, including implementing computer systems and software, database management, providing technical assistance, and managing information systems.**

Would you take this course?	Interest Level	<b>2) Knight Moves through DMACC</b>	<b>YES</b>	<b>NO</b>	<b>Length</b>
Yes No	5 4 3 2 1 0	<p><u>(DMACC) CIS-125: Intro to Programming w/ Logic:</u> This course provides students with a firm foundation in problem-solving methods in computer programming and facilitates the development of good structured programming skills for solving business problems. Students will define and analyze problems, design computer solution algorithms and prove the correctness of the solution.</p>			Sem.
Yes No	5 4 3 2 1 0	<p><u>(DMACC) CIS-169: C#:</u> This course is an introduction to the C# language. Object-oriented programs will be developed by students</p>			Sem.
Yes No	5 4 3 2 1 0	<p><u>(DMACC) WDV-101: Intro to HTML and CSS:</u> Introduces current standards of HTML and CSS. Students will code HTML and CSS web pages, test them in browsers and publish them to a web server. Page layouts will use CSS techniques.</p>			Sem.
Yes No	5 4 3 2 1 0	<p><u>(DMACC) CIS-171: Java:</u> Students will learn the basic features of the Java programming language and explore the concepts of object-oriented programming, event handling, user interface programming, and graphic techniques. Gain practical experience creating and modifying GUI Java applications.</p>			Sem.

Would you take this course?	Interest Level	<b>3) Computers: Network Administration</b>	<b>YES</b>	<b>NO</b>	<b>Length</b>
Yes No	5 4 3 2 1 0	<p><u>(IWCC) NET-790: PC Support:</u> Do you wonder how how to fix simple computer issues? Are you ever frustrated with simple errors on your computer? The PC Support class could be a fit for you if you want to learn about basic computer concepts and how to troubleshoot or repair a computer. (3.0)</p>			Sem.
Yes No	5 4 3 2 1 0	<p><u>(IWCC) CSC-121: Operating Systems:</u> Are you interested in understanding how computers work? If so, the Operating Systems class could be for you. You will learn the concepts of operating systems and basic command line tools, scripting, file management and commands for different systems. (3.0)</p>			Sem.
Yes No	5 4 3 2 1 0	<p><u>(IWCC) NET-204: Introduction to Networks:</u> Would you like to learn about the architecture, structure, functions, and models of the Internet and other computer networks? You will build simple LANs, perform basic configurations for routers and switches, and implement IP addressing schemes. *Prereq: PC Support and Operating Systems (3.0)</p>			Sem.
Yes No	5 4 3 2 1 0	<p><u>(IWCC) CIS-127: Introduction to Programming:</u> Do you want to learn about how computers are programmed? This course will use programming languages to teach the basics of good programming and algorithm development, with emphasis on logic, functions, debugging and graphical user interfaces. *Prereq: PC Support and Operating Systems (3.0)</p>			Sem.

Yes	No	5	4	3	2	1	0	(IWCC) NET-311: <u>Switching, Routing, and Wireless Essentials</u> : Does the architecture, components, and operations of routers and switches in a small network interest you? In this course, you will configure a router and a switch for basic functionality and troubleshoot routers and switches and resolve common issues. *Prereq: PC Support and Operating Systems (3.0)	Sem.
<p><i>These courses could lead to a Network Administration Certificate from IWCC. Students may earn the certificate if courses are completed in high school, or these college credits may transfer to community colleges or universities.</i></p>									

Would you take this course?	Interest Level	<b>4) Computers: Cyber Security</b>						<b>YES</b>	<b>NO</b>	<b>Length</b>
Yes	No	5	4	3	2	1	0	(IWCC) NET-790: <u>PC Support</u> : Do you wonder how computers work? Are you ever frustrated with simple errors on your computer? The PC Support class could be a fit for you if you want to learn about basic computer concepts and how to troubleshoot or repair a computer. (3.0)	Sem.	
Yes	No	5	4	3	2	1	0	(IWCC) CSC-121: <u>Operating Systems</u> : Are you a hands-on learner and enjoy computers? If so, the Operating Systems class could be for you. You will learn the concepts of operating systems and basic command line tools, scripting, file management and commands for different systems. (3.0)	Sem.	
Yes	No	5	4	3	2	1	0	(IWCC) CIS-601: <u>Introduction to Cryptology</u> : Would you like to learn about cryptology and how encryption works? This course will teach you the history of cryptography, public key and private key systems, hashing, and digital signatures. *Prereq: PC Support and Operating Systems (3.0)	Sem.	
Yes	No	5	4	3	2	1	0	(IWCC) CIS-602: <u>Cyber Security and Investigations</u> : Do cyber investigations and forensics interest you? This course examines basic methods of investigation, information acquisition, and management of Internet and computer forensic cases. You will apply the basic tools and techniques for forensic analysis of computers, networks systems, and mobile devices. *Prereq: PC Support and Operating Systems (3.0)	Sem.	
Yes	No	5	4	3	2	1	0	(IWCC) CSC-616: <u>Network and Info. Security Basics</u> : Would you like to continue your track of IT courses? If you're interested in network security and conducting threat assessments, establishing security policies and models, then this course is for you. *Prereq: PC Support and Operating Systems (3.0)	Sem.	
<p><i>These courses could lead to a Cyber Security Certificate from IWCC. Students may earn the certificate if courses are completed in high school, or these college credits may transfer to community colleges or universities.</i></p>										

Would you take this course?	Interest Level	<b>5) Google Certifications</b>						<b>YES</b>	<b>NO</b>	<b>Length</b>
Yes	No	5	4	3	2	1	0	<u>Google IT Certificate</u> : Get on the fast track to finding an in-demand job in IT, with a professional certificate from Google. Learn the foundations of networking and operating systems or how to solve problems using code.	Year	
Yes	No	5	4	3	2	1	0	<u>Google Data Analytics Certificate</u> : Get started in the high-growth field of data analytics with a professional certificate from Google. Learn job-ready skills that are in demand, like how to analyze and process data to gain key business insights.	Year	

Yes No	5 4 3 2 1 0	<u>Google Project Management Certificate</u> : Get started in the high-growth field of project management with a professional certificate developed by Google. Discover how to manage projects efficiently and effectively, using traditional and agile methods.	Year
Yes No	5 4 3 2 1 0	<u>Google UX Design Certificate</u> : Get started in the fast-growing field of user experience (UX) design with a professional certificate developed by Google. Learn the foundations of UX design, including empathizing with users, building wireframes and prototypes, and conducting research to test your designs.	Year
Yes No	5 4 3 2 1 0	<u>Associate Android Developer Certificate</u> : Accelerate your move toward a career in mobile app development. Learn to build simple Android apps with our Android Basics in Kotlin training — no programming experience necessary. Then, take the Associate Android Developer Certification exam to gain recognition for your skills as a developer.	Year

*Self-paced courses that provide opportunities to earn a credential that could lead to jobs in high-growth fields. Enter the workforce earning competitive wages upon completion.*

## Applied Science, Technology, Engineering, and Manufacturing Pathway

**This pathway prepares students for careers and higher education within manufacturing technology, engineering and design, construction technology, transportation technology and communication. Students are provided technical knowledge that emphasizes high standards and quality experiences in leadership, teamwork, citizenship and character development.**

Would you take this course?	Interest Level	6) <u>Aviation</u> <b>YES</b> <b>NO</b>	<b>Length</b>
Yes No	5 4 3 2 1 0	<u>Launching into Aviation</u> : Are you fascinated with air travel? Do you wonder about the history of aviation? In this course, you will learn problem-solving practices and innovative leaps that transformed space exploration from the unimaginable to the common in a single generation.	Sem.
Yes No	5 4 3 2 1 0	<u>Introduction to Flight</u> : Would you like to learn more about aircrafts and how they work? You will begin with an exploration of the types of aircraft in use today before going on to learn how aircraft are made and how they fly.	Sem.
Yes No	5 4 3 2 1 0	<u>Pilot Pathway - Preflight Your Career</u> : Are you interested in pursuing a career in aviation? In this course, you will explore advanced aviation topics and aviation career options. Instrument flight, commercial aviation, and advanced aircraft systems are topics you will cover. *Prereq: Launching into Aviation and Intro. to Flight	Sem.
Yes No	5 4 3 2 1 0	<u>Pilot Pathway - The Capstone Experience</u> : Are you ready for the final aviation experience at IGNITE? This capstone course is the culmination of the student learning experience. You will work as an individual or in a small group to study and report on an approved aviation topic of choice. The goal of this capstone course is to allow you to demonstrate an understanding of a contemporary topic in aviation as it relates to flying.	Sem.

*The courses prepares the student for passing the FAA Private Pilot written exam which is a prerequisite for becoming a Certified Private Pilot. The course also prepares the student for the UAS (Drone) Part 107 Commercial Pilot written exam which completes the certification to perform commercial, for hire operations with a UAS (Drone) aircraft.*

Would you take this course?	Interest Level	<b>7) Automotive</b> <b>YES</b> <b>NO</b>	<b>Length</b>
Yes    No	5 4 3 2 1 0	<u>(WIT) Introduction to Automotive Technology:</u> Are you interested in learning more about the automotive industry? In this class, you'll learn about basic operating systems of the modern automobile. Through hands-on experience, you'll also explore current changes in the industry along with career opportunities. *Prereq: Recommendation from previous instructor based on attendance, participation, and effort.	Sem.
Yes    No	5 4 3 2 1 0	<u>(WIT) Automotive Electricity/ Electronics:</u> Would you like to learn automotive electronics? This course will teach you the principles of electricity and electronics and apply them to automotive systems. You will apply electrical/electronic principles to repair car and truck electrical systems using a scientific process-of-elimination diagnostic strategy. *Prereq: Recommendation from previous instructor based on attendance, participation, and effort.	Sem.
Yes    No	5 4 3 2 1 0	<u>Small Engines:</u> Are you a gear head, or would you like be? This course will go through all the components of Internal Combustion Engines. You will learn how an engine works, and what the difference is between a 2-cycle and a 4-cycle engine.	Sem.
Yes    No	5 4 3 2 1 0	<u>Truck Driving 1:</u> Are you interested in learning how to drive a semi? This course prepares you for entry into the trucking and logistics industry. As an overview of the logistics industry, you will explore career opportunities and requirements of a professional tractor trailer driver as well as related career paths. Upon successful completion of the course students will be eligible to enroll in Truck Driving 2. *Prereq: Driver's License	Year

Would you take this course?	Interest Level	<b>8) Construction Trades - Certificate</b> <b>YES</b> <b>NO</b>	<b>Length</b>
Yes    No	5 4 3 2 1 0	<u>Trades 3:</u> Would you like to build this year's Trades' house and get more experience in the construction field? In the first semester, you will learn how to read blueprints and more basic construction skills needed to build a house. In semester 2, you will help finish a house, including drywall, paint, and installing fixtures. You will receive 18 IWCC credits upon completion of the year long Trades 3 course.	Sem.
Yes    No	5 4 3 2 1 0	<u>(IWCC) CON 114 - Residential Print Reading:</u> Are you interested in working building and designing houses? Residential Print Reading presents an introduction to the fundamentals of drafting and blueprint reading applicable to residential construction. You will interpret and translate working drawings and specifications. (3.0)	Sem.
Yes    No	5 4 3 2 1 0	<u>(IWCC) CON 180 - Principles of Building Con. I:</u> Do you have an interest in the construction industry? This course provides an introduction to the building construction process. It teaches safety practices and how to use tools and building materials. (3.0)	Sem.
Yes    No	5 4 3 2 1 0	<u>(IWCC) CON 170 - Building Construction Tech. I:</u> This course provides practical application of selected construction techniques. It covers preparation and flat concrete work as well as fundamentals of block laying and bricklaying techniques as they relate to basic construction. (6.0)	Year
Yes    No	5 4 3 2 1 0	<u>Trades 4:</u> Would you like to take a framed house a house to the finished product? In this semester, you will help finish a house, including drywall, paint, and installing fixtures.	Sem.

Yes	No	5	4	3	2	1	0	(IWCC) CON 181 - Principles of Building Con. II: This course provides fundamental theory of selected construction techniques. It explains floor systems, wall and ceiling framing, stair construction, and interior finishing techniques.(3.0)	Sem.
Yes	No	5	4	3	2	1	0	(IWCC) CON 244 - Related Trade Applications: This course is an introduction to the principles of residential wiring, heating, air conditioning, and plumbing. This course addresses basic theory, related codes, techniques, and applications. (3.0)	Sem.
Yes	No	5	4	3	2	1	0	Trades 5: Do you feel that you are a master at the construction trades? If so, you may request to be in Trades 5. To be considered for Trades 5, you will need to understand basic and advanced construction skills and techniques. You will also need to take initiative and demonstrate leadership skills as you may be asked to mentor students in Trades 1, 2, or 3. Producing quality results and staying on task are skills that should have been demonstrated in Trades 1-3. *Prereq: Instructor recommendation and/or approval.	Year
Yes	No	5	4	3	2	1	0	(IWCC) CON 171: Building Techniques II: This course provides practical application of selected building techniques. Students learn construction techniques in floor, wall and ceiling systems, stair construction and interior finishing skills. (6.0)	Year
Yes	No	5	4	3	2	1	0	(IWCC) CON 266 - Construction Safety: Are you interested in pursuing a career in construction? This safety course would provide you with OSHA certification. (3.0)	Sem.
Yes	No	5	4	3	2	1	0	(IWCC) CON 115 - Commercial Print Reading: Does commercial construction interest you? If so, this print reading class would give you a basic understanding of how to read commercial blueprints. (3.0)	Sem.
<p><i>These courses could lead to a Carpentry Certificate or Construction Technology Diploma from IWCC. Students would need to take MAT-743 Technical Math. Students may earn the certificates if courses are completed in high school, or these college credits may transfer to community colleges or universities.</i></p>									

Would you take this course?		Interest Level		<b>9) Engineering and Design</b>		<b>YES NO</b>		<b>Length</b>	
Yes	No	5	4	3	2	1	0	<u>Advanced Manufacturing:</u> Do you like to build and create? In this course you will learn how to operate and program the different pieces of machinery used in a manufacturing environment.	Sem.
Yes	No	5	4	3	2	1	0	<u>Mechatronics:</u> Do you like Robotics and using machines to complete tasks. In Mechatronics you will experience how computers control machines, and processes.	Sem.
Yes	No	5	4	3	2	1	0	(IWCC) EGT-155: Engineering and Drawing Practices: Would you like to learn about engineering and drafting? This course will teach you the technical knowledge and skills required to understand drawings from different industries. The course will give students the basics of drafting in the areas of architectural, mechanical, and electrical drawings. (3.0)	Sem.
Yes	No	5	4	3	2	1	0	(IWCC) CAD-139: Introduction to CAD/CAM: Do you want to use the 3D printer and design new products? In this class, you will learn modern prototyping and machining methods and the use of specific software for converting 2D and 3D CAD drawings. (3.0)	Sem.



Yes	No	5	4	3	2	1	0	(IWCC) CET-208: <u>Technical Drafting and CAD</u> This class introduces students to hands-on technical drawing and computer-aided design. Students learn manual drawings and plot and edit CAD drawings in multiple software programs utilized by industry that create two-dimensional engineering CAD drawings. Prereq: EGT-155 and CAD-139 (4.0)	Sem.
Yes	No	5	4	3	2	1	0	(IWCC) CET-160: <u>Surveying</u> : Surveying provides students fundamental knowledge of surveying techniques used in construction and civil engineering. Topics include introduction to surveying instruments and equipment, measurement of distances and angles, determining elevation, note keeping, traversing, triangulation, mapping, and the researching of monuments and benchmarks. Prereq: EGT-155 and CAD-139 (4.0)	Sem.

*These courses could lead to a Drafting and CAD Certificate from IWCC. Students would also need to take CON-119. Students may earn the certificate if courses are completed in high school, or these college credits may transfer to community colleges or universities.*

Would you take this course?		Interest Level		<b>10) HVAC/R</b>		<b>YES</b> <b>NO</b>		<b>Length</b>	
Yes	No	5	4	3	2	1	0	(IWCC) HCR-121: <u>Forced Air Heating Systems</u> : Would you like to explore a career in HVAC? If so, this course covers the application of energy sources and equipment as they apply to heating, ventilation, air humidification, and filtration systems. You will be exposed to hands-on learning and visit several business to see these systems in businesses around the community. (2.0)	Sem.
Yes	No	5	4	3	2	1	0	(IWCC) HCR-188: <u>Electricity for HVAC/R</u> : If you want to continue learning about the HVAC basics, this course is for you. You will learn basic information needed to properly understand, install, and service the electrical circuits commonly associated with HVAC equipment. (4.0)	Sem.
Yes	No	5	4	3	2	1	0	(IWCC) HCR-201: <u>Applied Prac. 1: Repair and Service</u> : Are you interested in learning even more about HVAC? This course provides hands-on practice in service and repair of heating and cooling equipment. You will develop a basic understanding of servicing and repair practices as seen in the industry. (4.0) *Prereq: HCR-121 and ELT-188	Sem.
Yes	No	5	4	3	2	1	0	(IWCC) IND-109: <u>Equipment Safety and Operation</u> : Do you have an interest in operating heavy equipment? This class gives an overview of commonly used safety precautions and operation of tools and equipment. This course introduces PPE (Personal Protective Equipment), CPR (Cardiopulmonary Resuscitation), First Aid, OSHA (Occupational Safety and Health Administration), safety practices and procedures. *Prereq: Must be 18, HCR-121, and ELT-188	Sem.

*These courses could lead to an HVAC/R Maintenance Certificate from IWCC. Students would need to take MAT-743 Technical Math. Students may earn the certificate if courses are completed in high school, or these college credits may transfer to community colleges or universities.*

Would you take this course?		Interest Level	<b>11) Welding</b>	<b>YES</b>	<b>NO</b>	<b>Length</b>
Yes	No	5 4 3 2 1 0	(IWCC) WELD-228: Introduction to Welding, Safety, and Health of Workers: Are you interested in exploring a career in welding? This class will give you an overview of the welding profession and will cover the basics of safety and health within the welding industry. (1.0)			Sem.
Yes	No	5 4 3 2 1 0	(IWCC) WEL-233: Print Reading and Welding Symbol Interpretations: Are you wondering how to read welding prints and symbols? In this class, you will cover concepts related to print reading and welding symbol interpretation. In this course, you will interpret welding prints (drawing or sketches), focus on measurement, and fabrication requirements. You will also prepare, assemble and tack welding parts according to drawings or sketches, using proper material and tools. (3.0)			Sem.
Yes	No	5 4 3 2 1 0	(IWCC) WEL 256 - Gas Metal Arc Welding: This course will introduce safety practices and techniques of Gas Metal Arc Welding (GMAW). The class will cover flat, horizontal, vertical and overhead welding positions. This course provides a variety of hands-on-projects and experiments. (4.5)			Sem.
Yes	No	5 4 3 2 1 0	(IWCC) WEL-149: Arc Welding: This course will cover the fundamentals and technical knowledge of arc welding in the flat position on mild steel with different rods on different thicknesses of metal. Welding safety practices are also stressed. (3.0)			Sem.
Yes	No	5 4 3 2 1 0	(IWCC) WEL-259: Oxy-Acetylene Arc Welding: Would you like to learn the basic fundamentals of welding, cutting, and brazing? This course teaches you the safe operation of the cutting torch, use of different sizes of torch tips, and various weld joints and positions. You will also learn the fundamentals of the Oxygen-Acetylene welding process, and you will learn how to weld. (1.0)			Sem.
Yes	No	5 4 3 2 1 0	(IWCC) WEL-192: Gas Tungsten Arc Welding: In this course, you will learn about Gas Tungsten Arc Welding (GTAW) will focus on GTAW (TIG) and other related processes. Topics such as process variation, welding in various positions, principles of operation, shielding gases, and filler rods will be studied. Safety and practical application of these welding processes will be stressed. (4.0)			Sem.

*These courses could lead to a Welding Certificate from IWCC. Students may earn the certificate if courses are completed in high school, or these college credits may transfer to community colleges or universities.*

## Human Services Pathway

**The Human Services Pathway is focused on preparing individuals for employment in careers that relate to families and human needs such as counseling and mental health services, family and community services, personal care and consumer services.**

Would you take this course?		Interest Level	<b>12) Rescue Science</b>	<b>YES</b>	<b>NO</b>	<b>Length</b>
Yes	No	5 4 3 2 1 0	(WIT) FIR-213: Principles of Emergency Services: Are you interested in working for a fire department? This course provides an overview of fire protection and emergency services; career opportunities in fire protection and related fields; philosophy and history of fire protection and emergency services. You will hear from people working in emergency services and tour different facilities.			Sem.



Yes No	5 4 3 2 1 0	(WIT) FIR-320: <u>Essentials of Firefighter I</u> : Would you like to gain the knowledge and skills to become a firefighter? In this course, you will learn the basics to becoming a firefighter, including safety practices and techniques. You will hear from fire fighters in the industry today as well as have the opportunity to tour fire stations.	Sem.
Yes No	5 4 3 2 1 0	(WIT) EMS-114: <u>Emergency Medical Responder</u> : Are you interested in a career in the medical field? Would you like to volunteer on your local Rescue Department? This certificate emphasizes the development of your skills in emergency medical care procedures. Curriculum includes life-threatening emergencies, injuries to various body parts, techniques of moving patients, AHA BLS Provider - CPR, Mandatory Reporter and blood borne pathogens. Successful completion of course requirements will qualify students to take the NREMT certification for Emergency Medical Responder.	Sem.

Would you take this course?	Interest Level	<b>13) Early Childhood Education</b>	<b>YES NO</b>	<b>Length</b>
Yes No	5 4 3 2 1 0	(IWCC) ECE-103: <u>Intro to Early Childhood Education</u> : Do you enjoy spending time with young children? If you are considering a career in education, then this class is for you! You will learn about what it means to be an Early Childhood educator and best practices when working with young children. (3.0)		Sem.
Yes No	5 4 3 2 1 0	(IWCC) ECE-133: <u>Child Nutrition, Healthy, and Safety</u> : Do you babysit, have younger siblings, or consider working with children in the future? If so, this class will teach you how to keep children healthy and safe. (3.0)		Sem.
Yes No	5 4 3 2 1 0	(IWCC) ECE-221: <u>Infant/Toddler Care and Development</u> : Do you enjoy being around infants and toddlers? Are you interested in continuing course work in the Early Childhood Pathway? If so, the Infant/Toddler Care and Development course could be a fit for you. This class covers the components of quality care and education for young children from birth to age three. (3.0)		Sem.
<i>These courses could lead to a Child Development Certificate from IWCC. Students may earn the certificate if courses are completed in high school, or these college credits may transfer to community colleges or universities.</i>				

Would you take this course?	Interest Level	<b>14) Paraeducator</b>	<b>YES NO</b>	<b>Length</b>
Yes No	5 4 3 2 1 0	(KCC) EDU-110: <u>Exploring Teaching</u> : Are you interested in working in our school as a para? This class will introduce the roles and responsibilities of teachers and other educators. The focus is on developing generic teaching skills applicable from prekindergarten through high school. You will interview and/or observe teachers at work. (3.0)		Sem.
Yes No	5 4 3 2 1 0	(KCC) EDU-119: <u>Behavior Management</u> : In this course, you will develop skills of observation and management of the behavior of others individually and in groups. You will develop strategies for helping others to manage their own behavior. (3.0)		Sem.
<i>These courses could lead to a Paraeducator Certificate from Kirkwood Community College. Students may earn the certificate if courses are completed in high school, or these college credits may transfer to community colleges or universities.</i>				

Would you take this course?	Interest Level	<b>15) Teacher Education</b> <b>YES</b> <b>NO</b>	<b>Length</b>
Yes   No	5 4 3 2 1 0	(IWCC) EDU-210: Foundations of Teaching: Do you think education may be a future career for you? This class brings students into contact with the numerous facets and issues involved in American elementary and secondary education. Students learn about teaching as a profession, the philosophy of education, education in the historical context, curriculum development, and contemporary issues facing the public and educators.	Sem.
Yes   No	5 4 3 2 1 0	(IWCC) EDU-170: Child Growth and Development: Are you interested in learning more about the development of children? This class examines typical and atypical development of children from conception to adolescence in all developmental domains. The course examines interactions between child, family and society within a variety of community and cultural contexts.	Sem.

Would you take this course?	Interest Level	<b>16) Cosmetology</b> <b>YES</b> <b>NO</b>	<b>Semester</b>
Yes   No	5 4 3 2 1 0	Trial and Hair: Do you enjoy styling hair and applying makeup? Would you like to learn some basics of cosmetology? In this class, you will learn some hair and makeup tricks and tips that you're sure to use in the future!	Sem.

### **Business, Finance, Marketing, and Management Pathway**

**The Business, Finance, Marketing, and Management Pathway is focused on providing a wide variety of careers in the field of business, including finance, marketing, management, and administration, such as: accountant, human relations manager, investment banker, bookkeeper, sales associate, market research analyst, and public relations specialist.**

Would you take this course?	Interest Level	<b>17) Business</b> <b>YES</b> <b>NO</b>	<b>Length</b>
Yes   No	5 4 3 2 1 0	<u>Journalism</u> : Do you enjoy writing articles for others to read? This journalism class will introduce you to the exciting world of print, online and broadcast media. Law, ethics and the history of journalism complement the major units of study: reporting, writing, editing, photography, advertising, design, management and teamwork.	Sem.
Yes   No	5 4 3 2 1 0	<u>Introduction to Business</u> : Have you wondered what it takes to start or own a business? This class is designed to introduce you to the many functions of modern business. The course is also designed to expose the you to the many career fields in the areas of business. The importance of business in the modern society is also stressed throughout the course.	Sem.
Yes   No	5 4 3 2 1 0	<u>Entrepreneurship</u> : Would you like to be your own boss someday? Are you wondering how to do that? In this class, you will learn how to generate business ideas; create a business plan, mission and vision; and promote and market a company.	Sem.
Yes   No	5 4 3 2 1 0	<u>Accounting I</u> : Do you dislike math or would you like to understand how money works? This class will be an asset to your future. Don't let your lack of knowledge be a liability. If you ever want to work with money, this class is for you.	Sem.

Yes No	5 4 3 2 1 0	<u>Accounting 2</u> : In this course, you will continue learning the basics of accounting and how you can use these skills in the future.	Sem.
Yes No	5 4 3 2 1 0	<u>WBL - Work-Based Learning Program</u> : Are you anxious to experience different career opportunities? Would you like the opportunity to explore jobs that interest you? In this class, you would be placed in real-life work experiences to learn more about careers you're interested in. This is an opportunity to help you decide your career path for your next steps - whether it be college or the workforce. *Prereq: Seniors only.	Sem.

Would you take this course?	Interest Level	<b>18) Social Media Marketing</b>	<b>YES NO</b>	<b>Length</b>
Yes No	5 4 3 2 1 0	<u>Social Media 1</u> : Do you enjoy creating posts on social media? If so, this class could be for you! You will learn about the marketing/ brand basics, content creation, analytics and ethics that relate to social media. You will also explore the current trends inside the industry.		Sem.
Yes No	5 4 3 2 1 0	<u>Social Media 2</u> : Did you enjoy creating posts in Social Media 1? Are you ready to take on a leadership role? If so, this class is for you. You will take the lead on creating, posting, and analyzing social media posts. *Prereq: Social Media 1 and Instructor Approval		Sem.
Yes No	5 4 3 2 1 0	<u>Digital Imagery</u> : Do you enjoy taking pictures? Are you interested in editing photographs? In Digital Imagery, you will learn the basic functions of digital cameras and general photography practices.		Sem.
Yes No	5 4 3 2 1 0	<u>Media Writing</u> : Is writing a passion of yours? In this class, you will enhance your writing and interviewing skills for the web, print and broadcast.		Sem.
Yes No	5 4 3 2 1 0	<u>Social Media Ambassador</u> : Do you enjoy being on social media? Are you able to like, share, and respond to posts? If so, sign up for this class and become a social media ambassador!		Sem.

## Health Sciences

**The Health Science Pathway prepares students for an introduction to successful careers and informed choices in the healthcare industry through collaboration among education, the healthcare industry, policy makers and professional organizations. This pathway leads to occupations commonly found in hospitals, clinics, dentistry, pharmacy, EMT, patient care, sports medicine, physical therapy and forensics.**

Would you take this course?	Interest Level	<b>19) Nurse Aide</b>	<b>YES NO</b>	<b>Length</b>
Yes No	5 4 3 2 1 0	<u>(IWCC) HSC-113: Medical Terminology</u> : Are you considering a career in health science industry? This class will be beneficial for all careers in the medical field. You will learn roots, prefixes, and suffixes of commonly used medical terms. (2.0)		Sem.
Yes No	5 4 3 2 1 0	<u>(IWCC) HSC-172: Nurse Aide</u> : Are you planning to work in a nursing home? This Certified Nurse Aide (CNA) course allows you to meet the training requirements for nurse aides working in nursing facilities and skilled nursing facilities. At the conclusion of this course, you will have the opportunity to test for your CNA certificate. (3.0)		Sem.

*These courses could lead to a Nurse Aide Certificate from IWCC. Students may earn the certificate if courses are completed in high school, or these college credits may transfer to community colleges or universities.*

Would you take this course?	Interest Level	<b>20) Other Health Science Classes</b>	<b>YES</b>	<b>NO</b>	<b>Length</b>
Yes No	5 4 3 2 1 0	<u>Nutrition</u> : Are you interested in making healthy food choices and eating right? In this course, you will be introduced to healthy eating and understanding what is in the food we eat. You will learn about nutritional guidelines, vitamins and minerals, food safety, and eating for peak performance.			Sem.
Yes No	5 4 3 2 1 0	<u>Ju-Jitsu</u> : Do you enjoy karate, wrestling, and physical activity? If you answered, "yes," you may be interested in learning the basic techniques of Ju-jitsu. Ju-jitsu is a form of martial art and method of fighting that makes use of few or no weapons and employs holds and ways to subdue an attacker.			Sem.

### Additional Course Opportunity

Would you take this course?	Interest Level	<b>21) Independent Study</b>	<b>YES</b>	<b>NO</b>	<b>Length</b>
Yes No	5 4 3 2 1 0	Are you interested in starting a new idea at school or in the community? Would you like to get credit for your great idea? Do you have a passion to learn about a certain topic? Are you interested in a field of study? There are a variety of online classes available through schools around the country. You can also create your own class using the Challenge-Based Learning model and bring core credits to the experience. Approval from administration and counselor is required.			Sem. or Year

### Core classes available through CTE courses at IGNITE

**Would you prefer to take your core credit classes through your IGNITE courses? You will complete weekly modules that provide learning opportunities for you to understand your English, math, science, and social studies standards by learning relevant information in your CTE classes.**

Would you take this course?	Interest Level	<b>22) Year-long Core Classes</b>	<b>YES</b>	<b>NO</b>	<b>Length</b>
Yes No	5 4 3 2 1 0	<u>English 12</u> : Do you ever wonder how reading and writing are used in the real world? If so, this option could be a fit for you. You could earn your 12th grade English credits through this competency based course. You will complete English course work through modules that are aligned with the CTE course content.			Year
Yes No	5 4 3 2 1 0	<u>Government</u> : Are you interested in learning about our country's government through the lense of a specific field of study? If so, this course gives you an opportunity to learn about America's government through a different perspective than the traditional classroom setting. This course will be competency based, and you will complete Government requirements while working through the CTE course content.			Sem.
Yes No	5 4 3 2 1 0	<u>Economics</u> : Do you wonder how economics relates to your life? Would you like to take this class and relate it to an industry of your choice? If so, this course allows you to learn how economics relates to the perspective of your choice. This course will be competency based, and you will complete Economics requirements while working through the CTE course content.			Sem.

Yes No	5 4 3 2 1 0	<u>Unified Science</u> : Are you interested in a science class that relates to a specific field of study? Would you like to apply science concepts and principles to a potential career? If so, this course gives you an opportunity to learn about science in a more practical, relevant way. This course will be competency based, and you will complete science requirements while working through the CTE course content.	Year
Yes No	5 4 3 2 1 0	<u>(IWCC) Technical Math</u> : Are you interested in earning a certificate in the Construction, HVAC, or Welding programs through Iowa Western? If so, this course would be a dual credit math class, in which you'd learn math that relates directly to the trades while also earning a high school math credit.	Sem.
Yes No	5 4 3 2 1 0	<u>Applied Mathematics</u> : Have you wondered how math applies to the real world? In this class, you will learn math skills that will apply to your field of study. Are you interested in a math class that relates to a specific field of study? Would you like to apply math concepts and skills to a potential career? If so, this course gives you an opportunity to earn your math credits in a more practical, relevant way. This course will be competency based, and you will complete math requirements while working through the CTE course content.	Year
Yes No	5 4 3 2 1 0	GE 12: Would you like to take your Government, Economics, and English classes together and focus on real world topics? Do you enjoy projects and working with business partners and classmates? This class is sure to keep you engaged and excited about what's next!	Year