Gateway Academy to Innovation & Technology Course Guide 2020-2021

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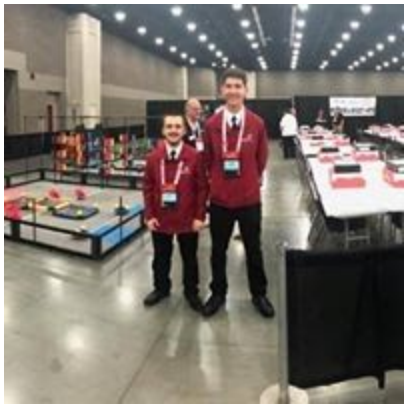


GATEWAY ACADEMY
TO INNOVATION AND TECHNOLOGY

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#WeAreGateway

I AM GATEWAY! Are YOU Gateway?

An excellent Gateway Team works hard to create a safe learning environment where scholars can be innovative, challenged, and industrious. We seek to hire the best experts in each field of study to prepare scholars for what comes next ~ whether that be college, career, or something else (maybe an entrepreneur)! The Gateway Team has high expectations for each scholar on a daily basis. Scholars willing to meet the daily challenge should apply today!

I AM GATEWAY ~ Gateway Academy offers many opportunities for experiences beyond the classroom. Is your dream to be on the Food Network...you can begin that dream in our Culinary program! Is your dream to help save lives...then our Allied Health or Biomedical Science programs are where you need to start! Is your dream to be in politics...you can begin that dream by joining a scholar organization such as SkillsUSA and run for local, state, or national office! Is your dream to build, program, and drive a robot to WORLD competition...then you need to join the VEX Robotics Team and get started! Is your dream to work with your hands to build tools, wire a house, lay a bead, or troubleshoot a vehicle...maybe Machine Tool (CMM Engineering), Electrical Construction (Electrical Construction Engineering), Welding (Welding Engineering), or Automotive Technology (Automotive Engineering) is for you! Is your goal to earn college credit and industry certification...many of the Gateway programs offer the opportunity to do so! Whatever your dream or goal...Gateway can help you get there!

Are YOU Gateway? Are you willing to work hard, rise to the challenge, and be the best you can be? Are you willing to come to school every day ready to learn? Are you ready to choose a pathway, set goals, and work hard to meet the demands of that path? If so, apply today! We eagerly await your arrival. Gateway is not a place...it is an EXPERIENCE!

Co-Curricular Opportunities

As a Gateway Scholar you have opportunities to expand the learning experience through scholar organizations such as SkillsUSA, STLP, and VEX Robotics which are offered to all enrolled scholars.

Graduation Stole Requirements

How to earn a Gateway Academy Stole:

- Be enrolled at Gateway Academy as a senior and successfully complete all coursework OR
- Pass EOP Assessment or industry certification while attending Gateway Academy

Gateway Academy Stoles will be passed out at an awards ceremony held in May each year.

Transportation

Scholars are not allowed to drive to Gateway Academy. There will be special allowances for scholars involved in Co-Op, Help Desk, or college classes. The special allowances will be handled through the front office. Scholars involved in those situations must see administration prior to driving to Gateway Academy to complete appropriate paperwork.

Apprenticeship, Co-Op, and Internship

It is a Gateway expectation that all scholars work towards a Work Based Learning (WBL) experience. Applications are due by April 1 of the scholar's junior year. Requirements for being approved for a WBL experience include the following:

- 2.5 GPA
- No more than 3 unexcused absences during the junior year
- No Level 4+ behavior events on their high school record

Internship - A student internship is a type of "Work Based Experience Learning Program" for high school students who have completed extensive school-based preparation relating to an identified area of career and academic interest in the Individual Learning Plan. Internships are usually one-time experiences which should lead to course credit and/or pay.

Co-Op - Cooperative education is a paid educational program consisting of in-school instruction combined with program related on-the-job work experience in a business or industrial establishment. These are planned experiences supervised by the school and the employer to ensure that each phase contributes to the student's Individual Learning Plan (ILP) and Career Pathway.

Apprenticeship - The Tech Ready Apprentices for Careers in Kentucky (TRACK) pre-apprenticeship program is a partnership between the Kentucky Department of Education's Office of Career and Technical Education and the Kentucky Labor Cabinet to provide secondary students with career pathway opportunities into registered apprenticeship programs. . This is a business- and industry-driven program to create a pipeline for students to enter postsecondary apprenticeship training. Upon successful completion, the student will be awarded an industry certification by the employer or training organization through the Kentucky Labor Cabinet and all on-the-job hours worked will be counted toward the apprenticeship, if applicable. The certification will also count toward the local school district's college- and career-ready accountability index. The specifics of the TRACK program vary and interested parties will need to confer with the Office of Career and Technical Education for the implementation process. There are no costs involved except wages for the student employee. The employer must have a registered apprenticeship program with the Kentucky Labor Cabinet. For more information, please refer to: http://education.ky.gov/CTE/cter/Pages/TRACK.aspx
The ultimate rationale for the program is that as career pathways continue to expand, if an employer is willing to implement a Registered Apprenticeship program, a pipeline at the secondary level can be developed utilizing the TRACK program.

AEROSPACE ENGINEERING
CIP 14.0201.01
High Demand

Pathway Description: This pathway prepares scholars to apply mathematical and scientific principles to the design, development and operational evaluation of aircraft, space vehicles, and their systems; applied research on flight characteristics; and the development of systems and procedures for the launching, guidance, and control of air and space vehicles. Aerospace engineers design primarily aircraft, spacecraft, satellites, and missiles. In addition, they test prototypes to make sure that they function according to design.

Example Careers: Aerospace Engineer, Aeronautical Engineer, Astronaut, Engineering Tech

KDE Suggested Academic Attainment by Completion of Pathway:

- Minimum of Pre-Calculus
- Physics
- Chemistry

Grade 9	Grade 10	Grade 11	Grade 12
Intro to Engineering Design/Engineering I	Principles of Engineering/ Engineering II	Aerospace Engineering	Choose One: AP Computer Science Principles Digital Electronics/ Electrical-Electronics Engineering Engineering Design & Development/ Engineering Capstone Engineering Internship/Co-Op
Honors English 1	Honors English 2	AP Language & Composition	English 101/102
Algebra 1 or higher	Geometry or higher	Algebra 2 or higher	Choose One: Pre-Calculus AP Calculus A/B Dual Credit Math
Industry Certifications→		REC Foundation Pre-Engineering Certification	

CIVIL ENGINEERING
CIP 14.0801.00
High Demand

Pathway Description: This pathway prepares scholars to apply mathematical and scientific principles to the design, development and operational evaluation of structural, load-bearing, material moving, transportation, water resource, and material control systems; and environmental safety measures. Civil engineers design, build, supervise, operate, and maintain construction projects and systems in the public and private sector, including roads, buildings, airports, tunnels, dams, bridges, and systems for water supply and sewage treatment.

Example Careers: Civil Engineer, Water Resource Engineer, Agriculture Engineer, Environmental Engineer, Mining Engineer, Engineering Tech, Land Surveyor, Geotechnical Engineer, Public Works, Military Engineer, Forensic Engineer, etc.

KDE Suggested Academic Attainment by Completion of Pathway:

- Minimum of Pre-Calculus
- Physics
- Chemistry

Grade 9	Grade 10	Grade 11	Grade 12
Intro to Engineering Design/Engineering I	Principles of Engineering/ Engineering II	Civil Engineering & Architecture/Civil Engineering	Choose One: AP Computer Science Principles Engineering Design & Development/ Engineering Capstone Engineering Internship/Co-Op
Honors English 1	Honors English 2	AP Language & Composition	English 101/102
Algebra 1 or higher	Geometry or higher	Algebra 2 or higher	Choose One: Pre-Calculus AP Calculus A/B Dual Credit Math
Industry Certifications→		REC Foundation Pre-Engineering Certification	

ELECTRICAL/ELECTRONICS ENGINEERING
CIP 14.1001.00
High Demand

Pathway Description: This pathway prepares scholars to apply mathematical and scientific principles to the design, development and operational evaluation of electrical/electronic systems and their components. Electrical engineers design, develop, test, and supervise the manufacturing of electrical equipment, such as electric motors, electrical controls, instrumentation, HMI Interfaces, PLCs, industrial controls, and power generation equipment. Electrical engineers design, develop, test and supervise the manufacturing of electrical equipment, such as electric motors, radar and navigation systems, communications systems, and power generation equipment. Electronics engineers design and develop electronic equipment, including broadcast and communications systems, such as portable music players and Global Positioning System (GPS) devices.

Example Careers: Electronic Engineer, Electrical Engineer, Computer Hardware Engineer, Controls Engineer, Robotics Engineer, Instrumentation Engineer, Consulting Engineer, etc.

KDE Suggested Academic Attainment by Completion of Pathway:

- Minimum of Pre-Calculus
- Physics
- Chemistry

Grade 9	Grade 10	Grade 11	Grade 12
Intro to Engineering Design/Engineering I	Principles of Engineering/ Engineering II	Digital Electronics/ Electrical-Electronics Engineering	Choose One: AP Computer Science Principles Engineering Design & Development/ Engineering Capstone Engineering Internship/Co-Op
Honors English 1	Honors English 2	AP Language & Composition	English 101/102
Algebra 1 or higher	Geometry or higher	Algebra 2 or higher	Choose One: Pre-Calculus AP Calculus A/B Dual Credit Math
Industry Certifications→		REC Foundation Pre-Engineering Certification	

MECHANICAL ENGINEERING
CIP 14.3501.00
High Demand

Pathway Description: This pathway prepares scholars to apply mathematical and scientific principles to the design, development and operational evaluation of physical systems used in manufacturing and end-product systems for specific uses including machine tools, jigs and other manufacturing equipment; stationary power units and appliances; engines; self-propelled vehicles; housings and containers; hydraulic and electric systems for controlling movement; and the integration of computers and remote control with operating systems. Mechanical engineers design, develop, build, and test mechanical and thermal sensors and devices, including tools, engines, and machines.

Example Careers: Mechanical Engineer, Industrial Designer, Industrial Engineer, Aerospace/Aviation Design, Biosystems Engineer, Manufacturing Manager, etc.

KDE Suggested Academic Attainment by Completion of Pathway:

- Minimum of Pre-Calculus
- Physics
- Chemistry

Grade 9	Grade 10	Grade 11	Grade 12
Intro to Engineering Design/Engineering I	Principles of Engineering/ Engineering II	Computer Integrated Manufacturing/ Mechanical Engineering	Choose One: AP Computer Science Principles Digital Electronics/ Electrical-Electronics Engineering Engineering Design & Development/ Engineering Capstone Engineering Internship/Co-Op
Honors English 1	Honors English 2	AP Language & Composition	English 101/102
Algebra 1 or higher	Geometry or higher	Algebra 2 or higher	Choose One: Pre-Calculus AP Calculus A/B Dual Credit Math
Industry Certifications→		REC Foundation Pre-Engineering Certification REC Foundation Robotics Certification	

AUTOMOTIVE ENGINEERING
CIP 15.0803.00
CIP 47.0604.01
High Demand

Pathway Description: This pathway provides the opportunity to blend Career and Technical Education courses with Engineering courses to help scholars apply technical skills along with STEM skills to solve real-world problems. This pathway prepares scholars to apply engineering principles and technical skills in support of engineers and other professionals engaged in developing, manufacturing, and testing self-propelled ground vehicles and their systems. Includes instruction in vehicular systems technology, design and development testing, prototype and operational testing, inspection and maintenance procedures, instrument calibration, test equipment operation and maintenance, and report preparation.

Example Careers: Automotive Engineer, Service Manager

Grade 9	Grade 10	Grade 11	Grade 12
Intro to Engineering Design/Engineering I	Digital Electronics/ Electrical-Electronics Engineering	Automotive Maintenance & Light Repair Section C	Shop Management
Automotive Maintenance & Light Repair Section A	Automotive Maintenance & Light Repair Section B	Automotive Maintenance & Light Repair Section D	Automotive Co-Op
Industry Certifications→		ASE Automotive Maintenance & Light Repair REC Foundation Pre-Engineering Certification	

COMPUTERIZED MANUFACTURING AND MACHINING (CMM) ENGINEERING
CIP 48.0510.00
CIP 48.0500.99
CIP 48.0503.02
High Demand

Pathway Description: This pathway provides the opportunity to blend Career and Technical Education courses with Engineering course to help scholars apply technical skills along with STEM skills to solve real-world problems. CMM Engineers design, develop, and run programs which direct machines to cut and shape metal or plastic for such things as airplanes, automobiles, and other industrial machines. CMM Engineers use blueprints and 3-dimensional computer designs to create the programs which result in precisely cut products.

Example Careers: Service Manager, Machine Operator, Machinist Technician, Machinist, Maintenance Machinist, CNC Machine Operator, CNC Programmer, Mechanical Engineer, Industrial Engineer, etc.

Grade 9	Grade 10	Grade 11	Grade 12
Intro to Engineering Design/Engineering I	Computer Integrated Manufacturing/ Manufacturing Engineering	Blueprint Reading for Machinists	Manual Programming
Fundamentals of Machine Tools - A	Fundamentals of Machine Tools - B	Applied Machining I OR TRACK	TRACK
Industry Certifications→		OSHA 10 MSSC - Certified Production Technician (CPT) REC Foundation Pre-Engineering Certification	

ELECTRICAL CONSTRUCTION ENGINEERING
CIP 15.0303.00
CIP 46.0302.02
CIP 46.0302.99
High Demand

Pathway Description: This pathway provides the opportunity to blend Career and Technical Education courses with Engineering course to help scholars apply technical skills along with STEM skills to solve real-world problems. This pathway prepares scholars to apply technical knowledge and skills to install, operate, maintain, and repair electric apparatus and systems such as residential, commercial, and industrial electric-power wiring; and DC and AC motors, controls, and electrical distribution panels. Includes instruction in the principles of electronics and electrical systems, wiring, power transmission, safety, industrial and household appliances, job estimation, electrical testing and inspection, and applicable codes and standards.

Example Careers: Electrical Engineer, Electrical Engineering Tech, Electrician

Grade 9	Grade 10	Grade 11	Grade 12
Intro to Engineering Design/Engineering I	Digital Electronics/ Electrical-Electronics Engineering	Electrical Construction I	Electrical Motor Controls
Circuits I	Circuits II	Electrical Construction II	Electrical Co-Op OR Rotating Machinery Electrical Motor Controls
Industry Certifications→		OSHA 10 REC Foundation Pre-Engineering Certification TRACK Pre-Apprenticeship Certification National Center for Construction Education Research (NCCER) - Core Curriculum National Center for Construction Education Research (NCCER) - Electrical Technician Level 1	

WELDING ENGINEERING
CIP 15.0614.00
CIP48.0508.01
High Demand

Pathway Description: This pathway provides the opportunity to blend Career and Technical Education courses with Engineering course to help scholars apply technical skills along with STEM skills to solve real-world problems. Welding engineers design and develop metal components for products for the pipeline, automotive, boiler making, shipbuilding, aircraft and mobile home industry. Welding Engineers must have knowledge of cutting processes and gas metal arc welding procedures for efficient development of these industrial processes.

Example Careers: Pipe Welder, Certified Welding Inspector (CWI), Certified Welding Educator (CWE), Welding Engineer, Structural Engineer, Mechanical Engineer, etc.

Grade 9	Grade 10	Grade 11	Grade 12
Intro to Engineering Design/Engineering I	Principles of Engineering/ Engineering II	Blueprint Reading for Welding	Welding Certification
Gas Metal Arc Welding	Shielded Metal Arc Welding (SMAW)	Cutting Processes	Welding Co-Op
Industry Certifications→		2-F (AWS) Welding REC Foundation Pre-Engineering Certification	

Information Technology

COMPUTER SCIENCE
CIP 11.0701.01
High Demand

Pathway Description: The Computer Science Pathway courses focus on computer theory, computing problems and solutions, and design of computer systems and user-interfaces. The coursework will include instruction in the principles of computational science, computer development, and programming and applications to a variety of end use situations.

Example Careers: Computer Software Engineer, Database Developer, Computer Hardware Engineer, Computer Network Specialist, Web Developer, Information Security Analyst, Computer Programmer, IT Project Manager

Grade 9	Grade 10	Grade 11	Grade 12
Computer Literacy	Introduction to Computer Science	Project-Based Programming	C++I
Computational Thinking	AP Computer Science Principles	JavaScript	Information Technology Co-Op
	Industry Certifications→	Certiport Digital Literacy IC3 Microsoft Technology Associate: Introduction to Programming Using JavaScript CTE EOP Assessment for Articulated Credit	

INFORMATION SUPPORT & SERVICES
CIP 47.0104.01
High Demand

Pathway Description: The Information Support and Services pathway focuses on the design of computing systems. The courses include instruction in the principles of computer hardware and software components, algorithms, databases, and telecommunications.

Example Careers: Computer Trainer, Customer Service Representative, Data Entry Clerk, Electronics Repair, Quality Control, Computer Support, Technical Writer, etc.

Grade 9	Grade 10	Grade 11	Grade 12
Computer Literacy	Help Desk Operations	Management of Support Services	Internet Technologies
Computational Thinking			Information Technology Co-Op
	Industry Certifications→	Certiport Digital Literacy IC3 Help Desk Institute: Customer Support Representative CTE EOP Assessment for Articulated Credit	

Media Arts

GRAPHIC DESIGN
CIP 50.0401.00
High Demand

Pathway Description: The Graphic Design pathway prepares scholars to apply skills that focus on the principles and techniques for effectively communicating ideas/information and packaging products to business and consumer audiences both in digital and other formats. Topics of study in this pathway include aesthetic meaning, appreciation, and analysis; construction, development, processing, modeling, simulation and programming of interactive experiences; transmission, distribution and marketing; contextual, cultural and historical aspects and considerations

Example Careers: Creative Director, Film and Video Editor, Graphic Designer, Industrial/Product Designer, Marketing Manager, Multimedia Artist

Grade 9	Grade 10	Grade 11	Grade 12
Introduction to Media Arts	Two-Dimensional Media Design	Digital Imaging	Advanced Production Design OR Media Arts Co-Op/ Internship
Industry Certifications→		Adobe Certified Associate: After Effects Adobe Certified Associate: Animate Adobe Certified Associate: Illustrator Adobe Certified Associate: Photoshop CTE EOP Assessment for Articulated Credit	

Health Science Pathways @ Breathitt Campus

ALLIED HEALTH
CIP 51.0000.01
High Demand

Pathway Description: This pathway is a general, introductory, undifferentiated, or joint pathway in health services occupations that prepares scholars for either entry into specialized training programs or for a variety of concentrations in the allied health area. Includes instruction in the basic sciences, research and clinical procedures, and aspects of the subject matter related to various health occupations.

Example Careers: Nurse, Pharmacist, Physical Therapist, Psychologist, Radiologist, Veterinarian, etc.

Grade 9	Grade 10	Grade 11	Grade 12
Principles of Health Science	Emergency Procedures/ Medical Terminology	Body Structures and Functions	Allied Health Core Skills
Honors English I	Honors English II	AP Language & Composition	English 101/102
Honors Earth Space Science	Honors Biology OR AP Biology	Honors Introduction to Chemistry & Physics	
Industry Certifications→		NOCTI Healthcare Core	

PLTW BIOMEDICAL SCIENCES
CIP 26.0102.00

Pathway Description: This pathway focuses on the integrative scientific study of biological issues related to health and medicine. Includes instruction in any of the basic medical sciences at the research level; biological science research in biomedical facilities; and general studies encompassing a variety of the biomedical disciplines.

Example Careers: Biologist, Biomedical Engineer, Biotechnologist, Coroner, Doctor, Forensic Scientist, Pharmacist, Surgeon, etc.

Grade 9	Grade 10	Grade 11	Grade 12
Principles of Biomedical Science	Human Body Systems	Medical Interventions	Biomedical Innovations
Honors English 1	Honors English 2	AP Language & Composition	English 101/102
Honors Earth Space Science	Honors Biology OR AP Biology	Honors Introduction to Chemistry & Physics	
	Industry Certifications→	NOCTI Biotechnology (Online Portion Only)	

EKG TECHNOLOGY/TECHNICIAN
CIP 51.0902.01

Pathway Description: This pathway prepares scholars, under the supervision of physicians and nurses, to administer EKG and ECG diagnostic examinations and report results to the treatment team. Includes instruction in basic anatomy and physiology, the cardiovascular system, medical terminology, cardiovascular medications and effects, patient care, EKG and ECG administration, equipment operation and maintenance, interpretation of cardiac rhythm, patient record management, and professional standards and ethics.

Example Careers: Diagnostic Medical Sonographer, Medical Assistant, Medical Lab Tech, Nurse, Radiologist

Grade 9	Grade 10	Grade 11	Grade 12
Principles of Health Science	Emergency Procedures/ Medical Terminology	Body Structures and Functions	EKG Technician
Honors English 1	Honors English 2	AP Language & Composition	English 101/102
Honors Earth Space Science	Honors Biology OR AP Biology	Honors Introduction to Chemistry & Physics	
Industry Certifications→		NHA Certified EKG Technician (CET)	

MEDICAL ADMINISTRATIVE ASSISTING
CIP 51.0710.00
High Demand

Pathway Description: This pathway prepares scholars, under the supervision of office managers and other professionals, to perform routine administrative duties in a medical, clinical, or health care facility/system office environment. Includes instruction in general office skills, data processing, office equipment operation, principles of medical record-keeping and business regulations, medical/clinical office procedures, and communications skills.

Example Careers: Medical Office Manager, Medical Billing and Coding, Medical Records Manager, Medical Administrative Assistant, Clinical Manager, Hospital Administration

Grade 9	Grade 10	Grade 11	Grade 12
Principles of Health Science	Emergency Procedures/ Medical Terminology	Medical Office Procedures	Internship: Medical Administrative Assistant
Honors English 1	Honors English 2	AP Language & Composition	English 101/102
Honors Earth Space Science	Honors Biology OR AP Biology	Honors Introduction to Chemistry & Physics	
	Industry Certifications→	NHA Billing and Coding Specialist (CBCS) NHA Certified Medical Administrative Assistant (CMAA)	

PATIENT CARE TECHNICIAN
CIP 51.1614.00

Pathway Description: This pathway prepares scholars for admission to a professional program in nursing. This pathway focuses on caring for patients in an acute care setting.

Example Careers: CNA, Nursing

Grade 9	Grade 10	Grade 11	Grade 12
Principles of Health Science	Emergency Procedures/ Medical Terminology	Body Structures and Functions	Acute Care Basic Skills
Honors English 1	Honors English 2	AP Language & Composition	English 101/102
Honors Earth Space Science	Honors Biology OR AP Biology	Honors Introduction to Chemistry & Physics	
Industry Certifications→		NHA Patient Care Technician/Assistant (CPCT/A)	

PHARMACY TECHNICIAN
CIP 51.0805.01

Pathway Description: This pathway prepares scholars, under the supervision of pharmacists, to prepare medications, provide medications and related assistance to patients, and manage pharmacy clinical and business operations. Includes instruction in medical and pharmaceutical terminology, principles of pharmacology and pharmaceutics, drug identification, pharmacy laboratory procedures, prescription interpretation, patient communication and education, safety procedures, record-keeping, measurement and testing techniques, pharmacy business operations, prescription preparation, logistics and dispensing operations, and applicable standards and regulations.

Example Careers: Pharmacy Technician

Grade 9	Grade 10	Grade 11	Grade 12
Principles of Health Science	Emergency Procedures/ Medical Terminology	Body Structures and Functions	Pharmacy Technician
Honors English 1	Honors English 2	AP Language & Composition	English 101/102
Honors Earth Space Science	Honors Biology OR AP Biology	Honors Introduction to Chemistry & Physics	
	Industry Certifications→	NHA Certified Pharmacy Technician	

PHLEBOTOMY TECHNICIAN
CIP 51.1009.01

Pathway Description: This pathway prepares scholars, under the supervision of physicians and other healthcare professionals, to draw blood samples from patients using a variety of intrusive procedures. Includes instruction in basic vascular anatomy and physiology, blood physiology, skin puncture techniques, venipuncture, venous specimen collection and handling safety and sanitation procedures, and applicable standards and regulations.

Example Careers: Medical Lab Tech, Phlebotomist

Grade 9	Grade 10	Grade 11	Grade 12
Principles of Health Science	Emergency Procedures/ Medical Terminology	Body Structures and Functions	Medical Laboratory Aide (Phlebotomist)
Honors English 1	Honors English 2	AP Language & Composition	English 101/102
Honors Earth Space Science	Honors Biology OR AP Biology	Honors Introduction to Chemistry & Physics	
Industry Certifications→		NHA Certified Phlebotomy Technician (CPT)	

PRE-NURSING
CIP 51.2699.01
High Demand

Pathway Description: This pathway prepares scholars for admission to a professional program in nursing. This pathway focuses on caring for residents in a long term care facility. The rigor of this course is relative to a collegiate nursing program. Excellent attendance is very important.

Example Careers: Licensed Practical Nurse, Nurse, Nurse Practitioner, Nursing Assistant, Physician's Assistant

Grade 9	Grade 10	Grade 11	Grade 12
Principles of Health Science	Emergency Procedures/ Medical Terminology	Body Structures and Functions	Medicaid Nurse Aide
Honors English 1	Honors English 2	AP Language & Composition	English 101/102
Honors Earth Space Science	Honors Biology OR AP Biology	Honors Introduction to Chemistry & Physics	
Industry Certifications→		Medicaid Nurse Aide (MNA)	

Culinary & Food Services Pathway @ Home High School

CULINARY & FOOD SERVICES CIP 12.0500.00			
Pathway Description: This pathway addresses a skill set necessary for success in the culinary industry. The courses in this pathway will help scholars develop skills in early career ladder positions and promote continuing education at the post-secondary level preparing for careers associated with restaurants, institutional food service, hospitality and catering, as well as food and beverage operations. **Example Careers:** Chef/Cook, Baker, Entrepreneur, Food Inspector, Butcher			
Grade 9	**Grade 10**	**Grade 11**	**Grade 12**
FACS Essentials (if offered at home high school)	Foods & Nutrition	Culinary Arts I	Advanced Foods & Nutrition
		Culinary Arts II	Co-Op: Culinary Arts
Industry Certifications→		ServSafe Food Manager's Credential CTE EOP Assessment for Articulated Credit	

GATEWAY ACADEMY TO INNOVATION & TECHNOLOGY
SCHOLAR APPLICATION 2020-2021

Provide accurate data to be eligible for placement in a Career and Technical Program at Gateway Academy. Once applications have been collected, you may be called in for an interview. Applicants will be notified by July 1.

Scholar Data	
Full Legal Name	
Current Address	
High School Attending in 2020-2021	Circle One: CCHS HHS
Grade for 2020-2021	Circle One: 9th 10th 11th 12th
Contact Information	Home Phone: Cell Phone:

Choose a Program

Choose three programs of interest based on your career interests in your ILP. Indicate your first choice with a #1, second choice with a #2, and third choice with a #3. If your first choice is full, we will do our best to place you in one of your other choices.

	Engineering Academy (Aerospace, Civil, Electrical, Mechanical) **English and Math will be taken at Gateway Academy.**
	Automotive Engineering
	Computerized Manufacturing and Machining Engineering ~ TRACK
	Electrical Construction Engineering ~ TRACK
	Welding Engineering
	Computer Science
	Informations Support & Services
	Graphic Design
	Health Science Academy (Allied Health, EKG Technology/Technician, Phlebotomy Technician, Pharmacy Technician, Pre-Nursing, Patient Care Technician) **English and Science will be taken at Gateway Academy.**
	PLTW Biomedical Sciences **May take English and/or Science at Gateway Academy.**
	Culinary & Food Services

In the space provided, explain why you would be a good candidate for your first choice. Attach additional page if needed.

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Scholar Signature Date

_____ _____

Parent Signature Date