



2017-2018 Kirkwood

Earn College Credit in High School



PROGRAMS OF STUDY
Jones County Regional Center
www.kirkwood.edu/jonesacademies

Kirkwood

COMMUNITY COLLEGE

Dear Students, Parents and Counselors,

While in high school, students can earn dual credit by enrolling in courses that meet high school requirements and satisfy college credit through Kirkwood Community College. Opportunities include Career Academies (offered at your high school or at Kirkwood Jones County Regional Center), classes on site at your high school, Web Live, as well as classes offered online or via the Iowa Communications Network (ICN).

As students begin their scheduling process, please take time to discuss the Kirkwood Community College dual credit classes available to high school students. We've recently redesigned a portion of our website to include detailed information. You can access that information at www.kirkwood.edu/jrec.

Kirkwood has recently established a historic partnership with eight area high schools in an effort to provide every high school student an opportunity to further challenge themselves in cutting-edge, career-based curriculum, preparing them for college or career, all while in high school. Our partnership consists of Monticello, Anamosa, Midland, Central City, Springville, Maquoketa Valley, Cascade, North Cedar and potentially more High Schools. We believe this partnership not only rounds out their high school experience, but better prepares them for college, and the best part is that it's paid for by the high school. Thank your district for the opportunity to be better prepared for college and career!

Please feel free to contact me directly if you have any questions.

Sincerely,

Lisa Folken,
Director, Jones Regional Center
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WHAT ARE YOU WAITING FOR? DON'T MISS OUT!!!

Enrolling is as easy as 1....2....3!

Step

1. Review your four-year plan. Determine where you are with graduation and college requirements. Contact your school counselor or Craig Stadtmueller at Kirkwood Jones Regional Education Center if you need assistance.

Step

2. Complete Jones Regional preregistration Form no later than 3/1/17. Preregistrations will be reviewed by your high school and Kirkwood Community College for eligibility and approval.

Step

3. Apply to www.kirkwood.edu/hscreditapply and attend the required orientation in April 2017.

Awarding of Credit/Grades

- HIGH SCHOOL CREDIT: Students with a passing grade will receive credit from their high school. **Individual school districts determine whether their high school credit will be awarded to meet high school core curriculum requirements or elective credits.**
- COLLEGE CREDIT: Students will receive college credit from Kirkwood Community College. The grade earned in this course will be reflected on the student's official college transcript.
- TRANSFERRING CREDIT: Student's not planning to attend Kirkwood after high school graduation should plan to include this transcript as part of their application process to other colleges or universities. www.kirkwood.edu/transcript. If you plan to attend a private or college out-of-state, please contact the college directly to see how your credits will transfer.

As part of earning college credit for this academy, students must complete an online application to Kirkwood Community College, and must provide a Social Security Number as part of the secure online college application process to create the official student record.

How do I know if I'm ready for college level coursework?

The following profile should offer a guide to students, parents & counselors in selecting students for college credit courses.

Senior Year Plus Requirements

As defined by the Iowa Department of Education, Senior Year Plus is an important part of high school reform efforts in Iowa. Through these programs, high school students are provided rigorous opportunities for advanced learning. To this end, Kirkwood partners with Area X school districts to prepare students to learn essential 21st century skills and earn college credit through postsecondary learning options, concurrent enrollment, and Career Edge Academies.

Iowa law requires students, instructors, and institutions to meet certain criteria to be eligible to participate in Senior Year Plus programming.

In order to participate in the Arts and Sciences Academy students must demonstrate proficiency in each of three academic areas: Math, Science, and Reading as indicated by Iowa Assessments.

Grade	Fall	Midyear	Spring
9th	Math --- 243 Science --- 243 Reading --- 243	Math --- 249 Science --- 250 Reading --- 247	Math --- 249 Science --- 250 Reading --- 249
10th	Math --- 252 Science --- 253 Reading --- 252	Math --- 257 Science --- 258 Reading --- 257	Math --- 257 Science --- 258 Reading --- 257
11th	Math --- 259 Science --- 260 Reading --- 259	Math --- 261 Science --- 265 Reading --- 262	Math --- 263 Science --- 265 Reading --- 263

If a student is not proficient in one or more of the content areas, the school board may establish alternative but equivalent qualifying performance measures. See page 10-12 of Senior Year Plus guidelines for additional information.

Qualifying placement scores are required for Composition I, college-level math, and online courses at Kirkwood.

Additional Indicators of Success

Academic Skills or Standing

- Satisfactory attendance record
- Completes all assignments by due date, including assigned reading
- Demonstrates self-motivation as a learner
- Applies classroom learning to cases, observations, and service learning
- Has a minimum GPA of 2.5 in academic courses

Personal Traits/Dispositions

- Demonstrates respect for others
- Exhibits intellectual curiosity and openness to new ideas
- Works well as part of a team
- Demonstrates honest and ethical decision-making

Maturity

- Demonstrates self-advocacy & communication skills (communicates needs)
- Successfully manages academic, work, extracurricular & other commitments

Other Student Requirements

Academy	Academy Prerequisites	Assessment Requirements
ACE (Architecture, Construction, Engineering)	Class limited to 15 students (Completion of Algebra II & Geometry strongly encouraged)	
Advanced Manufacturing/Engineering Technology and Welding	Not applicable	
Arts & Sciences I	SYP Arts & Sciences Proficiency	ACT English-18 or Accuplacer Sentence Skills-92
Arts & Sciences II	SYP Arts & Sciences Proficiency	
Automotive Technology	Must have completed or be concurrently enrolled in Algebra I. Strongly encouraged to have had, or be concurrently enrolled in Physics.	
Emergency Medical Services: EMT	Must be 17 on the first day of class. (Students are required to have the following vaccinations to be eligible for clinical experience: Hepatitis B Vaccination Series, MMR, TDP, Varicella, Seasonal Influenza, and a Two-Step or annual TB Test.)	Completion of high school biology with C or higher. Recommended ACT English-18, Reading-16, Math-18 or Accuplacer Reading-71, Sentence Skills-92, ALEKS-29%
Engineering: Project Lead the Way	Students should have completed Algebra I and be enrolled in a college-prep math class.	
Graphics, Media and Communications	Not applicable	
Hospitality Management	Not applicable	
IT Career Academy	Not applicable	
Patient Care	It is highly recommended that students have completed a high school biology course within the last two years and achieved a C or higher. Must be 16 for clinical experience in spring. Required to have a current physical accepted and immunizations: TBx2, Flu, TDAP (Hepatitis B series is highly recommended.) Per state requirements, all healthcare facilities require criminal background checks, including students in a clinical setting.	

RAI Scores

Iowa's three Regent universities assign a Regent Admission Index (RAI) score based on test scores, class rank, GPA and the number of core courses you have completed. Some of these classes may factor into your RAI for more information visit www.regents.iowa.gov/RAI.

Preregistration Information
for
Career Academies



**Jones County Regional
Center**

Kirkwood College Credit Companion Courses *(to be taken with an Academy)*

SDV-170 Career Decision Making

3 College Credit Hours

Provides an understanding of the career development process, and assists students in making satisfactory career choices. Includes self-assessment, career information research, decision making and job search strategies.

CIS-450 Computer Science & Software Engineering

3 College Credit Hours

Students create apps for mobile devices, automate tasks in a variety of languages, find patterns in data and interpret simulations. This course was developed by Project Lead the Way. It is highly recommended that students have completed or are currently enrolled in Algebra I.

EGT-415 Environmental Sustainability

3 College Credit Hours

Introduces investigation and design of solutions in response to real-world challenges related to clean and abundant drinking water, food supply issues and renewable energy. This course was developed by Project Lead the Way. It is highly recommended that students have completed a high school biology course within the last two years and achieved a C or higher.

EDU-110 Exploring Teaching

3 College Credit Hours

Introduces the concerns and activities of beginning teachers. The focus is on developing generic teaching skills applicable from preschool through high school. Microteaching is used to simulate actual teaching situations. Case studies are used to discuss common teaching problems.

SPC-101 Fundamentals of Oral Communication

3 College Credit Hours

Studies basic communication theory and practice including communication process, interpersonal relationships, small group interaction and public speaking. Also included in the Arts & Sciences I Academy.

SDV-105 How College Works

3 College Credit Hours

Explores students' individual strengths, strategies for solidifying personal responsibility, college readiness including academic success strategies, career readiness including life and vocational goals, as they identify a college program or major. The course emphasizes using self-assessments to understand the differences between high school and college expectations, and identify appropriate career areas. It aids students in taking and using placement tests for college admission, and managing personal finances to afford a college education.

MGT-145 Human Relations in Management

3 College Credit Hours

Emphasizes the importance of proper attitudes towards self, others and organization values. Stresses the development of a good self-concept and the relationship this has to energy levels, emotions, verbal and nonverbal communication. Prepares students to understand how to deal with conflict and how to be a productive member of a work group.

BUS-102 Introduction to Business

3 College Credit Hours

Focuses on American and global business and introduces the student to each primary facet of operating a business. This course will help the student understand economic, social and political influences that affect business success.

CSC-110 Introduction to Computers

3 College Credit Hours

Familiarizes the student with business, personal and industrial uses of microcomputers. Broad-based overview of microcomputer topics is presented; concepts of storage media, file organization and data representation are also presented. The fundamentals of computer problem solving and programming are discussed.

CRJ-100 Introduction to Criminal Justice 3 College Credit Hours
Familiarizes the student with business, personal and industrial uses of microcomputers. Broad-based overview of microcomputer topics is presented; concepts of storage media, file organization and data representation are also presented. The fundamentals of computer problem solving and programming are discussed.

PSY-111 Introduction to Psychology 3 College Credit Hours
Introduces the scientific study of mental processes and behavior with emphasis on the nervous system, learning and memory, cognition, sensation and perception, motivation and emotion, personality, intelligence, stress, psychological disorders and therapy, and social influence. Stresses roles of both theory and empirical evidence in describing, explaining and predicting behavior. Encourages critical thinking about research methods and ethics.

SOC-110 Introduction to Sociology 3 College Credit Hours
Surveys the basic principles, concepts, research strategies and empirical findings representative of the field today. The course examines the range of sociological thought, identifies areas of specialization within the discipline and establishes a basis for further study in the field.

MAT-157 Statistics 3 College Credit Hours
Focuses on descriptive statistics (mean, median, mode, standard deviation and variance) and introduces correlation and linear regression. Emphasizes inferential statistics and probability distributions as applied to confidence intervals, hypothesis testing of mean and standard deviation, and applications to business and other fields. Required placement score: ALEKS Math-30% or ACT Math-19

MUS-100 Music Appreciation 3 College credit Hours
Includes study of elements and forms of music with attention to major historical periods and composers of historical significance and survey of indigenous music.

BIO-151 Nutrition 3 College Credit Hours
Designed to show the relationship between sound nutrition and good health. Topics studied are: energy requirements, carbohydrates, lipids, proteins, vitamins, minerals, metabolism, physical exercise, dieting, weight problems, and evaluation of nutritional claims, vegetarianism, and proper nutrition during pregnancy and lactation.

ECN-120 Principles of Macroeconomics 3 College credit hours
Introduces principles of the economizing problem with emphasis on national income and employment analysis. Includes national income accounting, the business cycle, money and banking, fiscal and monetary theory, policy, and economic growth. Recommended for students pursuing a baccalaureate degree.

MKT-110 Principles of Marketing 3 College credit hours
Studies the process of planning and executing the conception, pricing, promotion and distribution of ideas, goods and services to create the exchanges that satisfy individual and organizational goals

REL-101 Survey of World Religions 3 College Credit Hours
Introduces the study of religions and religious phenomena through an examination of several historical and contemporary religions from around the world. Includes a study of some of the following: American Indian traditions, Hinduism, Buddhism, Judaism, Christianity, Islam, Shintoism, ancient and contemporary feminist spirituality, Gnosticism, shamanism, Confucianism and Taoism.

Companion Courses Offered for High School Credit Only

American Government

1 Semester

This course will emphasize the development of the American political system by exploring the constitution and three branches of the federal government. State and local government will be examined as well.

AP Calculus

2 Semesters

This is an Advanced Placement Program. The student will follow a prescribed course in college calculus. The course will cover the topics of calculus such as limits of functions, differentials, and integrals and their applications. At the conclusion of the course, the student may pay an Advanced Placement Program fee to take a test on this course. If you are successful, you will be given college credit and will pass out of college calculus.



College Credit in High School

- ... Find your passion
- ... Get a head start
- ... Experience college-level expectations with rock star teachers
- ... Earn free college credit
- ... Why not!

Experience

Unique, hands-on laboratory and classroom experiences in basic architecture and construction skills, with support from industry experts, including jobsite tours.

Outcome

Development of entry-level skills and knowledge for those who want to pursue one of the many careers available in the construction industry.

Career Focus

Immediate employment opportunities within the field.

Prepared for further training in the architecture and construction industry.

Potential for stronger competitiveness for application into local apprenticeship programs.

College Credits Earned: up to 15.0

The Kirkwood Architecture and Construction Management Academy can lead students to college certificates, diplomas, associates, bachelors and graduate degrees. Examples of college majors include, but are not limited to: Architectural Technology, Carpentry, Construction, Masonry Technology, Plumbing Technology and Construction Engineering. If you're planning to transfer to a four-year college or university after attending Kirkwood, specific transfer information can be found at www.kirkwood.edu/fouryeartransfer

Iowa Average Salaries in Architecture and Construction Careers

- Carpenter:** \$17.45/hour; \$38,280
- Construction Worker:** \$19.44/hour; \$40,590
- Electrician:** \$21.85/hour; \$46,980
- Brick Masons:** \$21.81/hour; \$45,420
- Architect:** \$33.62/hour; \$72,780

More info can be found at: www.bls.gov

College Credit Courses

Courses subject to change based on college curriculum.

CON-101 | Architectural Plans and Specs | 3 college credits

Introduces the skills and methods for understanding and interpreting construction drawings and technical specifications for residential and commercial buildings.

CON-190 | Residential Construction Lab | 3 college credits

Provides introductory theory and lab experience in basic residential construction procedures and safety for those with little or no construction experience. Includes: foundation systems, floor systems, basic wall construction, roof systems, basic mechanical systems as well as interior and exterior finishes.

EGT-460 | Civil Engineering and Architecture | 3 college credits

Students learn about various aspects of civil engineering and architecture and apply their knowledge to the design and development of residential and commercial properties and structures. In addition, students use 3D design software to design and document solutions for major course projects. Students communicate and present solutions to their peers and members of a professional community of engineers and architects. This course is designed for 11th or 12th grade students.

CON-410 | Construction Modeling | 3 college credits

Introduces construction concepts through computerized model building. Explores various wall systems and the phases of the construction process.

CON-237 | Construction Project | 3 college credits

Focuses on teamwork and leadership by rotating students through being team members and crew leaders in building a construction project. Emphasizes productivity and supervisory tasks.

Need to Know

Students receive credit from their high school and college credit from Kirkwood. The high school district pays the college tuition.

The grade earned in this course is reflected on the student's official college transcript. Students not planning to attend Kirkwood after high school graduation should plan to include this transcript as part of the application process to other colleges or universities. www.kirkwood.edu/transcript

As part of earning college credit for this academy, students must complete an online application to Kirkwood Community College, and must provide a social security number as part of the secure online college application process to create the official student record.

Student safety equipment, tools and textbooks are provided the first day of class.

Students are strongly encouraged to have completed or be concurrently enrolled in Algebra & Geometry.

Graduating seniors who successfully complete all four courses may be eligible to apply for a summer internship coordinated through Building Pros of Eastern Iowa and/or the Iowa City Home Buildings Association.

How to Get Started

Talk to your parents and your guidance counselor.

Go to www.kirkwood.edu/hscreditapply



KIRKWOOD COMMUNITY COLLEGE - JONES COUNTY REGIONAL CENTER

Advanced Manufacturing/Engineering Technology & Welding Academy

College Credit in High School

... Find your passion
... Get a head start
... Experience college-level expectations with rock star teachers
... Earn free college credit
... Why not!

Experience

Fast-paced, highly technical environment that blends hands-on skill development in a variety of areas to offer students a competitive edge in today's workforce.

Outcome

Students learn basic AutoCAD operations, general machine set-up, basic blueprint reading and math skills, as well as computer-based and hands-on training in code writing and CNC machine setup and operations.

Career Focus

Immediate entry-level employment opportunities, prepared for additional college training in today's high demand, high skill, high wage, advanced manufacturing or related fields.

Determine your interest in the advanced manufacturing field, build professional networking relationships.

College credits earned: up to 18

Certification opportunities: National Institute for Metalworking Skills (NIMS) and MIG and Tig Welding Certifications

The Kirkwood Advanced Manufacturing Engineering Technology Academy can lead students to college certificates, diplomas, associates, bachelors and graduate degrees. Examples of college majors include, but are not limited to: CAD/Mechanical Engineering Technology, CNC Machining Technology, Welding, Manufacturing Technology and Industrial Engineering. If you're planning to transfer to a four-year college or university after attending Kirkwood, specific transfer information can be found at <http://www.kirkwood.edu/fouryeartransfer>

Iowa Average Salaries in Advanced Manufacturing Careers

Machinist: \$17.19/hour, \$36,010

Welder: \$16.22/hour, \$34,360

CNC Machine Programmer: \$21.98/hour, \$45,030

More info can be found at: www.bls.gov

College Credit Courses

Courses subject to change based on college curriculum.

This academy experience is a "blended" experience, incorporating both Advanced Manufacturing and Welding courses.

Advanced Manufacturing:

MFG-291 | CNC Mill Operator (NIMS) | 3 college credits

Introduces basic milling operations. Covers manual and CNC milling practices, tooling, machining practices and applied mathematics. Emphasizes teamwork, critical thinking and problem solving through hands-on experience and practical applications. This course aligns with NIMS (National Institute of Metalworking Skills) standards.

MFG-292 | CNC Lathe Operator (NIMS) | 3 college credits

Introduces basic lathe operations. Covers manual and CNC lathe turning practices, tooling, machining practices and applied mathematics. Emphasizes teamwork, critical thinking and problem solving through hands-on experience and practical applications. This course aligns with NIMS (National Institute of Metalworking Skills) standards.

MFG-287 | Manual Press Brake Operations (NIMS) | 3 college credits

Introduces basic lathe operations. Covers manual hydraulic down acting press brake practice, tooling, bending principles and applied mathematics. Emphasizes teamwork, critical thinking and problem solving through hands-on experience and practical applications. This course aligns with NIMS (National Institute of Metalworking Skills) standards.

Welding:

WEL-228 | Introduction to Welding, Safety & Health of Welders | 1 college credit

This course will cover the basics of safety and health within the welding profession and orientation to the occupation. This course aligns to SENSE Level 1, Module 1: Occupational Orientation and Module 2: Safety and Health of Workers.

WEL-244 | Gas Metal Arc Welding Short Circuit Transfer | 2 college credits

Focuses on proper weld safety, machine setup and welding techniques of Gas Metal Arc Welding Short-Circuiting Transfer. Students perform American Welding Society compliant welds on carbon steel, in flat, horizontal, vertical and overhead positions. This course will prepare students to take an AWS welder certification test, which is recommended for its successful completion. This course aligns with SENSE Level 1 Module 5: Gas Metal Arc Welding Key Indicators 1-7. Also aligns to SENSE Level 3, Drawing and Welding Symbol Interpretation, Key Indicator 3.

WEL-245 | Gas Metal Arc Welding Spray Transfer | 2 college credits

Focuses on proper weld safety, machine setup and welding techniques of Gas Metal Arc Welding Spray Transfer. Students perform American Welding Society compliant welds on carbon steel in flat and horizontal positions. This course will prepare students to take an AWS welder certification test, which is recommended for its successful completion. It aligns with SENSE Level 1 Module 5 Key Indicators 1, 2, and 8-12. Also aligns to SENSE Level 3, Drawing and Welding Symbol Interpretation, Key Indicator 3.

WEL-251 | Gas Tungsten Arc Welding (GTAW) for Carbon Steel | 2 college credits

Focuses on proper weld safety, machine setup and welding techniques for Gas Tungsten Arc Welding. Students perform American Welding Society compliant welds on carbon steel in the flat, horizontal, vertical and overhead positions. This course will prepare students to take an AWS welder certification test, which is recommended for successful completion of this course. This course aligns to SENSE Level 1, Module 7 - Key Indicators 1-7, as well as Module 2-Key Indicator 7, Module 3-Key Indicator 3, and Module 9-Key Indicator 2.

WEL-153 | Virtual Reality Information | 2 college credits

Provides students the opportunity to demonstrate various techniques using the Lincoln VTECH Virtual Reality Welder. Focuses on understanding and applying the correct techniques and practices used in welding processes.

Need to Know

Students receive credit from their high school and college credit from Kirkwood. The high school district pays for the college tuition.

The grade earned in this course is reflected on the student's official college transcript. Students not planning to attend Kirkwood after high school graduation should plan to include this transcript as part of the application process to other colleges or universities. www.kirkwood.edu/transcript

As part of earning college credit for this academy, students must complete an online application to Kirkwood Community College, and must provide a social security number as part of the secure online college application process to create the official student record.

Student textbooks, safety equipment and tools are provided on the first day of class.

How to Get Started

Talk to your parents and your guidance counselor.

Go to www.kirkwood.edu/hscreditapply



College Credit in High School

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Are You Ready For College?

Are you ready for college? Give yourself an edge over other graduating seniors by starting college classes early. No matter what you are planning to major in, every college requires students to take a core set of arts and science offerings that are commonly referred to as “general education requirements.” College readiness will be assessed by Kirkwood’s Compass Placement Exam. Students must have the pre-requisite coursework and/or qualifying placement scores to enroll in these college courses.

College credits earned: varies by program location

The Kirkwood Arts and Science Academy provides students with a jump start to earning an associates, bachelors and/or graduate degree. If you’re planning to transfer to a four-year college or university after attending Kirkwood, specific transfer information can be found at the following link:

www.kirkwood.edu/fouryeartransfer

College Credit Courses

Courses subject to change based on college curriculum.

Students should select to enroll in either option I or II.

Arts & Sciences I

ENG-105 | Composition I | 3 college credits

Develops expository writing with emphasis on organization, supporting details, style, vocabulary and library research skills. Prerequisite: ENG-101 or qualifying placement score.

ENG-106 | Composition II | 3 college credits

Teaches precise and responsible use of research tools. Requires critical analysis of reading materials, audience and self when communicating content material. Develops students’ ability to use effective and ethical arguments. Prerequisite: ENG-105

PSY-111 | Introduction to Psychology | 3 college credits

Introduces the scientific study of mental processes and behavior with emphasis on the nervous system, learning and memory, cognition, sensation and perception, motivation and emotion, personality, intelligence, stress, psychological disorders and therapy, and social influence. Stresses roles of both theory and empirical evidence in describing, explaining and predicting behavior. Encourages critical thinking about research methods and ethics.

SPC-101 | Fundamentals of Oral Communications | 3 college credits

Studies basic communication theory and practice including communication process, interpersonal relationships, small group interaction and public speaking.

Arts & Sciences II (updated 12/2016)

HIS-151 | US History to 1877 | 3 College Credits

Studies the European background, the colonial experience, the revolutionary period and 19th century history to the Civil War. Includes political, economic and social history of this period as well as the development of American thought.

PHI-105 | Introduction to Ethics | 3 College Credits (New!)

Investigates major issues and theories in Western or non-Western moral thought. The adequacies of ethical theories such as egoism, utilitarianism, virtue ethics, the ethics of care, and duty ethics are explored through discussions of topics such as those found in medicine, the media, the environment, social justice, education, gender relations, war, business and family life.

ENV-115 | Environmental Science | 3 college credits

Explores major environmental issues including biotechnology, climate change, fossil fuel use, human population growth, land utilization, pollution, resource management, soil degradation, and toxicology. Teaches concepts from a variety of the sciences. Practices synthesizing environmental concepts, analyzing facts, and forming hypotheses.

SOC-115 | Social Problems | 3 college credits (New!)

Examines social problems as consequences of given types of social organization. Students examine research and theory to build an understanding of the definition, existence and persistence of social problems, as well as collective efforts to resolve those problems.

Need to Know

Students enrolled will receive credit from their high school and college credit from Kirkwood. The college tuition is paid for by the high school district.

The grade earned in this course will be reflected on the student's official college transcript. Students not planning to attend Kirkwood after high school graduation should plan to include this transcript as part of your application process to other colleges or universities. www.kirkwood.edu/transcript

As part of earning college credit for this academy, students must complete an online application to Kirkwood Community College, and must provide a social security number as part of the secure online college application process to create the official student record.

How to Get Started

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KIRKWOOD COMMUNITY COLLEGE - JONES COUNTY REGIONAL CENTER
Automotive Technology Academy

College Credit in High School

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Experience

Unique, hands-on learning experience provided in a state of the art transportation lab; work side by side with industry certified technicians to develop high tech skills used in today's automotive field.

Outcome

Students become skilled in real life bumper to bumper diagnostic and maintenance, with certification opportunities as a power user of Snap-on diagnostic tools.

Career Focus

Immediate entry-level employment skills and certifications, and prepared for further training in the field of automotive, repair, and other related fields.

College credits earned: up to 15.0

Certification Opportunities: Snap-on Shopkey, Snap-on Meter, and Snap on Ethos Scan Tool

The Kirkwood Automotive Technology Academy provides students with a jump start to earning an associates and/or bachelor's degree. Examples of related college majors include, but are not limited to: Automotive Technology, Auto Collision, Welding, Diesel Agriculture and Diesel Truck programs. If you're planning to transfer to a four-year college or university after attending Kirkwood, specific transfer information can be found at the following link: www.kirkwood.edu/fouryeartransfer

Iowa Average Salaries in Transportation Related Careers
Automotive Service Technicians and Mechanics: \$35,200
Auto Body Collision Repair Specialists: \$38,500

More info can be found at: www.bls.gov

College Credit Courses

Courses subject to change based on college curriculum.

AUT-104 | Introduction to Automotive Technology | 3 college credits

Provides the beginning apprentice technician with an introductory overview of automotive servicing from a maintenance and replacement standpoint. Classroom and hands-on activities emphasize routine maintenance procedures in the care of tires, batteries, lighting, belts, hoses, filters and cooling systems. Presents career information on career pathways, employers, goal setting, skills inventory, student club information and personal plan.

AUT-100 | Maintenance and Light Repair | 4 college credits

Students demonstrate knowledge of the skills necessary to successfully perform common maintenance and light repair tasks in engine systems, automatic transmission/transaxle, manual drive train and axles, suspension and steering, brakes, electrical, and heating and air conditioning.

MAT-715 | Industrial Math I | 3 college credits

Covers basic math skills such as addition, subtraction, multiplication and division of whole numbers, decimals and fractions. Covers specifically dimensional analysis and significant digit concepts. Also gives practice and solving stated problems and covers introductory algebra concepts.

AUT-611 | Automotive Electricity | 5 college credits

Introduces electrical and electronic circuit theory. Covers voltage, amperage, resistance, Ohm's Law and practical application on series, parallel and series-parallel circuits. Emphasizes studying circuits through electrical wiring diagrams and introduces scan tools and digital storage oscilloscopes. Covers diagnosis of electrical circuits with and without multiplex network control. Includes certification as power users of the Snap-On 525D multi-meter.
Prerequisites: AUT-104 Introduction to Automotive Technology.

Need to Know

All Students enrolled will receive credit from their high school and college credit from Kirkwood. The college tuition is paid for by your high school district.

The grade earned in this course will be reflected on the student's official college transcript. Students not planning to attend Kirkwood after high school graduation should plan to include this transcript as part of your application process to other colleges or universities. www.kirkwood.edu/transcript

As part of earning college credit for this academy, students must complete an online application to Kirkwood Community College, and must provide a social security number as part of the secure online college application process to create the official student record.

To meet NATEF standards, students will be required to meet strict attendance guidelines to comply with Kirkwood's certification. Information will be shared during the first day of class. Students must have completed, or be concurrently enrolled, in Algebra I to take this academy. Students are strongly encouraged to have had, or be concurrently enrolled in Physics. Student textbooks, required tools and safety equipment will be provided on the first day of class.

How to Get Started

Talk to your parents and your guidance counselor.

Go to www.kirkwood.edu/hscrcditapply



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Experience

What if there was a class where curiosity ruled? Where you learned not only how things worked, but how you might make them work better. Where the biggest challenge was between you and your imagination. Discover engineering.

Outcome

Through project-based curriculum, problem-solve real-world engineering challenges through nationally recognized, pre-engineering curriculum.

Better prepared for demanding rigor of two- and four-year engineering programs.

PLTW alumni are studying engineering and technology in greater numbers than the national average, with a higher retention rate in college engineering, science and related programs than non-PLTW students.

Career Focus

Determine if engineering is the right career path for you.

College credits earned: 6 College Credits

The Kirkwood PLTW Academy provides students with a jump start to earning an associates, bachelors and/or graduate degree. Examples of college majors include, but are not limited to: Electronics Engineering Technology and Engineering in a wide variety of disciplines. If you're planning to transfer to a four-year college or university after attending Kirkwood, specific transfer information can be found at the following link:

www.kirkwood.edu/fouryeartransfer

Iowa Average Salaries in Engineering

Electronic Engineering Technician: \$49,140

Computer Engineers: \$98,610

Civil Engineers: \$77,990

Biomedical Engineers: \$81,540

More info can be found at: www.bls.gov

College Credit Courses

Courses subject to change based on college curriculum.

EGT-400 | Introduction to Engineering Design™ (IED) | 3 College Credits

Uses a design development process while enriching problem-solving skills; students create and analyze models using specialized computer software.

EGT-410 | Principles of Engineering™ (POE) | 3 College Credits

Explores technology systems and manufacturing processes; addresses the social and political consequences of technological change.

Additional course offered as a companion course: Biotechnical Engineering

Need to Know

All courses are available as dual credit courses and students may be eligible for Regent-accepted, transferrable (EGR) engineering credit. All courses are worth 3 credit hours. In order to receive transferrable EGR credit, students must receive a stanine score of 6 or greater on the end of course assessment. If a student does not achieve this they will still receive EGT credit from Kirkwood.

Prerequisites: Introduction to Engineering Design is considered a prerequisite to Principles of Engineering. Students should have completed Algebra I (or currently enrolled in while in Introduction to Engineering Design). Students enrolled in Principles of Engineering should also be enrolled in a college-prep math course.

Students enrolled will receive credit from their high school and college credit from Kirkwood. The college tuition is paid for by the high school district.

The grade earned in this course will be reflected on the student's official college transcript. Students not planning to attend Kirkwood after high school graduation should plan to include this transcript as part of your application process to other colleges or universities. www.kirkwood.edu/transcript

As part of earning college credit for this academy, students must complete an online application to Kirkwood Community College, and must provide a social security number as part of the secure online college application process to create the official student record.

How to Get Started

Talk to your parents and your guidance counselor.

Go to www.kirkwood.edu/hscreditapply



KIRKWOOD COMMUNITY COLLEGE - JONES COUNTY REGIONAL CENTER
Graphics, Media and Communications Academy

College Credit in High School

... Find your passion
... Get a head start
... Experience college-level expectations
with rock star teachers
... Earn free college credit
... Why not!

Experience

Graphic design careers cover all ends of the creative spectrum. Explore cutting edge technology and software used by today's commercial artists.

Outcome

All graphic design jobs require attention to detail, design, problem solving skills, and up-to-date use of the latest software. Students will build on their creative foundational art skills to explore a new level of creativity, layout and design fundamentals, and produce outstanding digital artwork.

Career Focus

Immediate employment opportunities using Adobe Photoshop, InDesign and Illustrator.

College credits earned: 12

The Kirkwood Graphics and Media Communication Academy provides students with a jump start to earning an associates, bachelors and/or graduate degree. Examples of college majors include, but are not limited to: Graphic Communication Technology, Web Design, and Graphic Design. Careers might include: advertising, marketing, printing and publishing companies, and web design. If you're planning to transfer to a four-year college or university after attending Kirkwood, specific transfer information can be found at the following link: www.kirkwood.edu/fouryeartransfer

Iowa Average Salaries in Graphic and Web Design

Graphic Designer: \$38,730

Web Designer: \$53,462

Web Developer: \$62,837

More info can be found at: www.bls.gov

College Credit Courses

Courses subject to change based on college curriculum.

ART-186 | Digital Photography | 3 college credits

Develops familiarity and proficiency with digital cameras, computers and printers. Studies technical and aesthetic issues in visual communication and digital image capture/presentation. Students complete presentations, critiques online, portfolio and displays.

GRA-127 | Illustrator I | 3 college credits

This course introduces Adobe Illustrator and its applications in graphic communication. Class activities include projects to explore Adobe Illustrator tools as they apply to object (vector) based files, as well as Adobe Illustrator filters and layers. Students learn basic drawing and tracing techniques, creating line art, logos and learning how to simplify art work through stylizing. Creative use of type is also explored. Students learn to set up color for reproduction, and also learn to save and manage files, and how files interact with page layout and paint (raster) programs

GRA-131 | Digital Layout | 3 college credits

This course provides working knowledge of the CS3 Adobe InDesign page layout program and its use in creating effective page layouts combining graphics and type. Topics covered include: toolbox and tool usage, importing and editing text and graphics, master pages, use of styles, text and paragraph formatting, general layout and design concepts, printing operations, importing graphics and setting up text styles, columns and grids. Students create various single and spot-color documents including flyers, newsletters, and other printed materials.

GRA-140 | Digital Imaging | 3 college credits

Introduces Photoshop. Covers basic scanning techniques for grayscale and line art images; proper manipulation procedures required for various output sources including input and output resolutions, file size, multiple file-saving formats, simple image enhancements and creating duo-tones; and creative application of Photoshop.

Need to Know

Students enrolled will receive credit from their high school and college credit from Kirkwood. The college tuition is paid for by the high school district.

The grade earned in this course will be reflected on the student's official college transcript. Student's not planning to attend Kirkwood after high school graduation should plan to include this transcript as part of your application process to other colleges or universities. www.kirkwood.edu/transcript

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How to Get Started

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KIRKWOOD COMMUNITY COLLEGE - JONES COUNTY REGIONAL CENTER
Hospitality Management Academy

College Credit in High School

Find your passion.
Get a head start.
Experience college with rock star teachers.
Earn free college credit.

Experience

Day to day operations of front of house operations in the hospitality industry.

Outcome

Foundational skills and certification to give you a jump start into an associates degree program or beyond.

Career Focus

Hotel management, lodging, hospitality related careers.

College Credits Earned: 10

Certification: National Restaurant Association Educational Foundation certification exam

If you've ever wondered what happens behind the scenes of a busy hotel and bustling restaurant, the Hospitality Management Academy is perfect for you!

Experience the life of a hospitality professional - everything from interacting with guests and selling rooms to planning events and managing food and beverage services. Hands-on activities introduce you to how all the areas within a hotel work, as well as the business and marketing that goes into making a hospitality operation successful.

Complete this Academy and you'll be ready to begin the Hospitality Management degree program at Kirkwood. Career options upon completion include: accommodation manager, catering supervisor, event organizer, wedding planner, hotel or restaurant manager.

College Credit Courses

Courses subject to change based on college curriculum.

BIO-151 | Nutrition | 3 college credits

Demonstrates the relationship between sound nutrition and good health. Explores energy requirements, carbohydrates, lipids, proteins, vitamins, minerals, metabolism, physical exercise, dieting, weight problems, and evaluation of nutritional claims, vegetarianism, and proper nutrition during pregnancy and lactation.

HCM-207 | Menu Planning | 1.5 college credit

Studies the principles of menu marketing and management. Focuses on writing and analyzing menus for various population groups, types of food service facilities and service styles.

HCM-100 | Sanitation & Safety | 2 college credits

Studies basic principles of bacteriology, food borne illness, sanitation, workplace safety, personal hygiene, food security, health regulations and inspections. Emphasizes the importance of sanitary equipment and facilities, and pest control. Students must complete the National Restaurant Association Educational Foundation certification exam to pass this course.

HCM-600 | Intro to Lodging Operations | 2 college credits

Provides students with an overview of the lodging industry and how its functions are organized and operated. Each of the seven traditional disciplines is introduced: general management, hotel sales, financial control, rooms operations, food and beverage operations, human resources, and physical plant maintenance. Business ethics and effective communication are also emphasized.

HCM-615 | Hospitality Marketing | 3 credits.

Explores the process to plan and execute the conception of pricing, promotion, and distribution of ideas, goods and services. Creates hospitality-oriented exchanges to satisfy individual and organizational objectives. Teaches strategies for integrating a social media plan into the traditional marketing plan. Focuses on effective social media platforms to drive business and for beneficial responses to customer needs within hospitality.

Need to Know

Students receive credit from their high school and college credit from Kirkwood. The high school district pays the college tuition. The grade earned in this course is reflected on the student's official college transcript. Students not planning to attend Kirkwood after high school graduation should plan to include this transcript as part of the application process to other colleges or universities. www.kirkwood.edu/transcript.

As part of earning college credit for this academy, students must complete an online application to Kirkwood Community College, and must provide a social security number as part of the secure online college application process to create the official student record.

The Hotel Management Academy is linked to the curriculum offered within Kirkwood Community College's Hotel Management Associate of Applied Science Degree, offered by the Hospitality Arts Department. Kirkwood's Hotel Management program is delivered within a national one-of-a-kind facility that provides students with the opportunity to receive extensive real-time training within the onsite full service hotel property, The Hotel at Kirkwood, an AAA Four Diamond-rated property. The A.A.S. Degree program uniquely affords students with opportunities to receive instruction and career development from not only the faculty within the Hospitality Arts department, but also from the managerial team of The Hotel at Kirkwood. It is access to this same source of expertise that is offered within the Hotel Management Academy, along with supporting material from the American Hotel and Lodging Association's Educational Institute (AHLAEI).

How to Get Started

Talk to your parents and your guidance counselor.

Go to www.kirkwood.edu/hscreditapply



College Credit in High School

... Find your passion
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with rock star teachers
... Earn free college credit
... Why not!

Experience

Geek squad™ beware! Unique, hands-on hybrid learning environment with networking, programming logic, computer support and PC hardware.

Outcome

Information technology is part of our everyday lives. Careers in this field will continue to grow exponentially, especially in the next decade. This academy exposes students at an introductory level to networking, programming, and PC hardware to give students a better idea of which path would be best suited for them in Information Technology.

Career Focus

A+ Certification is the starting point for a career in the Information Technology industry. Immediate employment opportunities for A+ certification, prepared for a wide-variety of college majors focusing on computer science fields.

College credits earned: up to 12.0

The Kirkwood Information Technology Academy provides students with a jump start to earning an associates, bachelors and/or graduate degree. Examples of college majors include, but are not limited to: Computer Support Specialist, Computer Programmer, Computer Information Systems, and CISCO. If you're planning to transfer to a four-year college or university after attending Kirkwood, specific transfer information can be found at the following link:
www.kirkwood.edu/fouryeartransfer

Iowa Average Salaries in IT Careers

Systems Analyst and Internet Programmer: \$64,820
Customer Support Specialist: \$44,220
Computer science engineer: \$71,896

More info can be found at: www.bls.gov

College Credit Courses

Courses subject to change based on college curriculum.

CIS-128 | Programming Concepts | 3 college credits

Introduces computer programming, including the technical aspects of designing and coding computer programs to accomplish business objectives, and how this technology fits into companies' overall information systems needs. Explores application software development and explains basic programming logic structures, facilitating successful designing, coding and testing.

NET-165 | Network Plus | 3 college credits

Prepares users for a basic introduction to networking, and can also be used to prepare for CompTIA's Network+ certification exam. Presents current networking hardware and software along with the skills necessary to succeed in the field of networking. Covers protocols, network design and implementation, and troubleshooting and support.

NET-122 | Computer Hardware Basics | 3 college credits

Introduces the operation of a modern personal computer from a hardware point of view. Students learn about the basic components of a computer and develop troubleshooting skills for advanced courses. Some of the areas covered include system boards, storage drives, and memory and power supplies. In addition, some software topics, such as operating systems, are presented. Low-level laboratory exercises enhance and reinforce understanding of the material covered.

NET-137 | Advanced PC Concepts | 3 college credits

Follows and builds on the prerequisite, Computer Hardware Basics. The first half of the course is spent reviewing, but also going into more depth on the topics covered in the beginning hardware course. The second half of the course deals primarily with software considerations (such as BIOS, drivers and operating systems) necessary to understanding how modern PCs work. Throughout the course, tie-in to A+ certification topics is done for the benefit of those who plan to take the Comp-TIA exam.

Need to Know

Students enrolled will receive credit from their high school and college credit from Kirkwood. The college tuition is paid for by the high school district.

The grade earned in this course will be reflected on the student's official college transcript. Students not planning to attend Kirkwood after high school graduation should plan to include this transcript as part of your application process to other colleges or universities. www.kirkwood.edu/transcript

As part of earning college credit for this academy, students must complete an online application to Kirkwood Community College, and must provide a social security number as part of the secure online college application process to create the official student record.

Program Details

Students will meet Monday-Friday for 1.5 hours for the entire school year.

How to Get Started

Talk to your parents and your guidance counselor.

Go to www.kirkwood.edu/hscreditapply



KIRKWOOD COMMUNITY COLLEGE - JONES COUNTY REGIONAL CENTER
PATIENT CARE ACADEMY

College Credit in High School

... Find your passion
... Get a head start
... Experience college-level expectations
with rock star teachers
... Earn free college credit
... Why not!

Experience

Unique, hands-on learning experience providing care for patients in a clinical setting. Work side-by-side with health care professionals in a health care facility and fulfill prerequisites for many college health programs.

Outcome

Perform basic nursing skills through hands-on, direct patient care. Examples include: assessment of vital signs, such as taking blood pressure, temperature and respiration; performing basic hygiene and transfer skills (bathing, dressing and feeding) and learning to communicate with residents and the health care team.

Career Focus

Immediate employment opportunities for CNA certification, prepared for a wide-variety of college majors focusing on patient care fields.

Determine if you are ready for a career in the health care field, build professional networking relationships.

College credits earned: up to 12.5

Certification opportunities: State of Iowa Nurse Aide Certification Exam (CNA), First Aid and American Heart Association CPR

The Kirkwood Patient Care Academy Program can lead students to college certificates such as diplomas, associates, bachelors and graduate degrees. Examples of college majors include, but are not limited to: Nursing, Athletic Training, Pre-Med, Exercise Science, Physical Therapy, Occupational Therapy, Radiology and Respiratory Therapy.

If you're planning to transfer to a four-year college or university after attending Kirkwood, specific transfer information can be found at www.kirkwood.edu/fouryeartransfer

Iowa Average Salaries in Health Care Careers

C.N.A.: \$12/hour, \$24,330

LPN: \$36,820

RN/BSN: \$53,300

Physical Therapist: \$77, 540

Physician Assistant: \$85,880

Physician/Surgeon/Other: \$196,230

More info can be found at www.bls.gov

College Credit Courses

Courses subject to change based on college curriculum.

HSC-205 | Exploration of Healthcare Careers | 3 college credits

Explores all aspects of health care and careers in the field. Includes field trips to the University of Iowa and the Kirkwood Simulation Center. Covers the past, present and future of health care. Introduces key career cluster terms and career options within each career cluster. Provides career information, including education required for each area, educational costs to attain a degree versus potential career earnings, job descriptions, case studies and skills needed for specific career areas. Results in CPR for the Healthcare Provider and Basic First Aid certification upon successful completion.

HSC-115 | Medical Terminology | 4 college credits

A comprehensive study of medical terminology as the language of medicine. Analyzes words by dividing them into component parts. Relates the medical terms to the structure and functional pathology of diseases and current medical procedures. Emphasizes word usage, abbreviations, pronunciation and spelling.

HSC-107 | Professionals in Health | 2 college credits

Learn the skills and characteristics expected for professional preparation and employability. Explore the health industry, see current trends and issues, and study the work environment as it relates to health and safety regulations.

HSC-168 | Nurse Aide | 3.5 college credits

Provide safe, effective resident care by mastering basic care giving skills and concepts. This class includes 30 hours lecture, 25 hours lab and 30 hours clinics per state guidelines.

Need to Know

It is highly recommended that students complete a high school biology course within the last two years and achieved a C or higher. In order to be awarded the 91-hour nurse aide completion certificate, you must meet standards imposed by the state of Iowa. Absenteeism and tardiness may result in dismissal from the program. In order to move into the clinical experience in March or April, you must have a 79 percent or higher in the nurse aide course, and meet guidelines determined by the state of Iowa and the course instructor.

Textbooks are provided to students.

You will be required to purchase a scrub uniform (approximate cost \$35-40) during the first semester of class.

You are required to have a current physical (a Kirkwood physical form is required and can be used during a sports physical) and immunization records completed and then submitted to Certified Background during the first semester of the academy. Per state requirements, all health care facilities require criminal background checks, including students in a clinical setting. More information will be shared at the required orientation.

Students receive credit from their high school and college credit from Kirkwood. College tuition is paid by the high school district.

The grade earned in this course is reflected on the student's official college transcript. Students not planning to attend Kirkwood after high school graduation should plan to include this transcript as part of the application process to other colleges or universities. www.kirkwood.edu/transcript

As part of earning college credit for this academy, students must complete an online application to Kirkwood Community College to create the official student record.

Program Details

You will meet for 1.5 hours, Monday-Friday, for the entire school year. This will be adjusted for the clinical experience.

How to Get Started

Talk to your parents and your guidance counselor.

Go to www.kirkwood.edu/hscreditapply



Emergency Medical Services: EMT Academy

College Credit in High School

- ... Find your passion
- ... Get a head start
- ... Experience college-level expectations with rock star teachers
- ... Earn free college credit
- ... Why not!

Experience

Are you a quick-thinker looking to enter a fast-paced health career?

If you do well in emergency situations, have an interest in the medical field, and are looking for hands-on learning, this rigorous academy program might be for you!

The Emergency Medical Technician Academy explores health careers and allows students to develop knowledge and skills in providing basic life support management of medical and traumatic emergencies. Students learn pre-hospital emergency care skills such as learning to maintain an airway to assist patient's breathing, safety transferring and positioning patients, and to safely remove a trapped patient from a vehicle.

College credits earned: up to 15.5

Certification opportunities: EMT Certification, First Aid, CPR

The Kirkwood Emergency Medical Technician Academy Program can lead students to college certificates such as diplomas, associates, bachelors and graduate degrees. Examples of college majors include, but are not limited to: EMT, Paramedic, Nursing, Pre-Med.

If you're planning to transfer to a four-year college or university after attending Kirkwood, specific transfer information can be found at

www.kirkwood.edu/fouryeartransfer

Iowa Average Salaries in EMT Careers

EMT/Paramedic: \$32,430

Registered Nurse: \$53,300

Physician Assistant: \$85,880

Physician: \$196,230

More info can be found at www.bls.gov

College Credit Courses

Courses subject to change based on college curriculum.

HSC-205 | Exploration of Healthcare Careers | 3 college credits

Explores all aspects of health care and careers in the field. Includes field trips to the University of Iowa and the Kirkwood Simulation Center. Covers the past, present and future of health care. Introduces key career cluster terms and career options within each career cluster. Provides career information, including education required for each area, educational costs to attain a degree versus potential career earnings, job descriptions, case studies and skills needed for specific career areas. Results in CPR for the Healthcare Provider and Basic First Aid certification upon successful completion.

HSC-115 | Medical Terminology | 4 college credits

A comprehensive study of medical terminology as the language of medicine. Analyzes words by dividing them into component parts. Relates the medical terms to the structure and functional pathology of diseases and current medical procedures. Emphasizes word usage, abbreviations, pronunciation and spelling.

EMS-260 | Emergency Medical Technician I | 4 college credits

Prepares the student to provide emergency medical care at an Emergency Medical Technician (EMT) level as outlined by the National Emergency Medical Services Education standards. Introduces basic emergency care concepts in a preparatory module, including fundamental knowledge of the EMS system, safety/well-being of the EMT and medical/legal and ethical issues to the provision of emergency care. HIPAA, Infection Control and Mandatory Reporting for child/adult training for health care providers is required. Students earn American Heart Association Basic Life Support certification.

EMS-350 | Emergency Medical Technician II | 3.5 college credits

Continues EMS-260. Introduces shock and resuscitation, patient assessment, care and transportation of the acutely ill trauma patient, special patient populations and EMS operations. Focuses on Geriatric Education for EMS (GEMS), Hazmat Awareness and Incident Command. Students are required to demonstrate proficiency for skills within the scope of practice for patients of all ages.

EMS-365 | Emergency Medical Technician II Clinical | 1 college credit

Prepares students to provide emergency medical assessment, care and transportation of acutely ill or injured patients of all ages. Develops student proficiency in previously learned skills when providing direct patient care in selected clinical settings. Requires student participation in and documentation of patient contacts and field experience approved by the medical director and the EMS program director. Students must demonstrate competency in skills for patients of all ages within the scope of practice

Need to Know

Must be 17 on the first day of class (Students are required to have the following vaccinations to be eligible for clinical experience: Hepatitis B Vaccination Series, MMR, TDAP, Varicella, Seasonal Influenza, and a Two-Step or annual TB Test). Textbooks are provided to students.

Students receive credit from their high school and college credit from Kirkwood. College tuition is paid by the high school district.

The grade earned in this course is reflected on the student's official college transcript. Students not planning to attend Kirkwood after high school graduation should plan to include this transcript as part of the application process to other colleges or universities. www.kirkwood.edu/transcript

As part of earning college credit for this academy, students must complete an online application to Kirkwood Community College to create the official student record.

Program Details

You will meet for 1.5 hours, Monday-Friday, for the entire school year. This will be adjusted for the clinical experience.

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