



# KIRKWOOD

EARN COLLEGE CREDIT IN HIGH SCHOOL



2019 – 20 Programs of Study  
**KIRKWOOD REGIONAL  
CENTER AT THE  
UNIVERSITY OF IOWA**

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[www.kirkwood.edu/kirkwoodui](http://www.kirkwood.edu/kirkwoodui)

**Kirkwood**  
COMMUNITY COLLEGE

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## COLLEGE CREDIT *in* HIGH SCHOOL

Dear Students, Parents, and Partners:

Kirkwood Community College is honored to collaborate with our local school districts, community partners, and local industry employers to offer state-of-the-art learning opportunities for the 21<sup>st</sup> century student. At the Kirkwood Regional Center at the University of Iowa (KRCUI or Johnson County Regional Center), located in the University of Iowa's Oakdale Research Park, our goal is to meet the needs of students and the community by offering a wide variety of educational opportunities and career experiences.

KRCUI is excited to offer concurrent enrollment, college credit courses to students enrolled at our partner school districts (Clear Creek Amana, Iowa City Community School District (ICCS), Regina, Solon, Tipton, West Branch, Williamsburg, and West Liberty). Students can earn transferable college credit while exploring courses in a variety of fields. Concurrent credit opportunities include Kirkwood's Career Academies at our Regional Center in Johnson County as well as courses offered onsite at our partner high schools or on other Kirkwood campuses. Concurrent courses also earn students high school credit necessary for their graduation requirements.

KRCUI offers students diverse learning opportunities and experience with hands-on, real world learning using cutting-edge equipment and state-of-the-art lab facilities. Kirkwood's programs prepare students for careers in high demand industries that require post-secondary training. These opportunities enable students to fast track their education at no cost to their families. Students successful in Kirkwood's programs gain a leg up on their peers who wait until after high school graduation to begin college courses.

As students are planning their schedules taking advantage of these opportunities, please do not hesitate to contact our knowledgeable staff with any questions you may have. You may also discuss these options with your high school guidance office. For additional information on KRCUI, including a complete listing of courses and programs, please visit [www.kirkwood.edu/johnsonacademies](http://www.kirkwood.edu/johnsonacademies).

We look forward to working with you and your students as they begin to explore their interests and passions by taking advantage of the many opportunities at Kirkwood Community College.

Sincerely,



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## Getting Started

Ready to enroll in concurrent credit courses? Follow these simple steps to ensure a smooth start.

1. Meet with your high school counselor to review your four-year plan and determine that you are on the right track for high school graduation and college credit requirements.
2. All students enrolling in concurrent credit courses must have a Kirkwood application on file. Students can complete this free application online at <http://www.kirkwood.edu/hscreditapply>. As part of the application process, students must provide a Social Security number to create an official student record.
3. Students will need to have either current ACT or ACCUPLACER/ALEKS exam scores on file to complete the registration process for specific academy programs or individual writing (Composition I) and college level math courses such as Statistics, College Algebra, etc. More information can be found on the Kirkwood Career Academy Student Requirements page. ACCUPLACER/ALEKS exams are offered at all Kirkwood locations. They are untimed and at no cost to Kirkwood students and applicants.
4. Students will be responsible for completing course selection and registration by the designated deadline. Your school counselor will provide the registration process information, along with specific deadlines.
5. Students will be required to attend a mandatory orientation in April. Parents are **strongly encouraged** to attend this event as well.

## Awarding of Credit/Grades

- **High School Credit:** Students with a passing grade will receive credit from their high school. Individual school districts determine whether the high school credit will be awarded to meet high school core curriculum requirements or elective requirements.
- **College Credit:** Students will receive college credit from Kirkwood Community College. An official college transcript will be created and the grade earned in the concurrent credit course will be reflected on the student's official college transcript.
- **Transferring Credit:** Students not planning to attend Kirkwood after high school graduation should plan to include their official college transcript as part of their application process to other colleges and universities. Students can request a copy of their transcript at <http://www.kirkwood.edu/transcript>. Kirkwood strives to ensure that academic level courses transfer to other institutions and has transfer agreements with many state universities and colleges. If a student plans to attend a private college or an institution out-of-state, please contact the college directly to determine how credits earned will transfer.

# Requirements for College Level Classes

## 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 school districts to prepare students to learn essential 21<sup>st</sup> century skills and earn college credit through concurrent enrollment and Career Academies.

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

To participate in Arts and Sciences: Liberal Arts Transfer Courses, students must demonstrate proficiency in each of the three academic areas - math, science, and reading. Students must also satisfy Kirkwood Community College prerequisites, which may include a satisfactory placement score for reading, writing, and math indicated by the ACCUPLACER/ALEKS placement exams and/or ACT scores prior to registration.

Participation in all other **Career Academies** is not based on proficiency on Iowa Assessment scores. The student will need to satisfy Kirkwood Community College prerequisites, which may include a satisfactory placement score for reading, writing, and math indicated by ACCUPLACER/ALEKS placement exams and/or ACT scores prior to registration.

## 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've completed. Some of these classes may factor into your RAI. For more information, visit <http://www.regents.iowa.gov/RAI>.

## Note to Parents/Guardians of Academy Students

Because of The Family Educational Rights and Privacy Act (FERPA) colleges are bound by law to keep student records confidential. Therefore, most communication from Kirkwood will go directly to the student. You are encouraged to keep open lines of communication with your student. Some helpful tips:

- Most faculty use a class management tool called Talon. Your students should be able to log into their Talon account for the class and show you any assignment, grade, or attendance that the instructor has tracked for them.
- Midterm grades or pass/fail indicators are given each semester. Your student should be able to log into their EagleNet account and show you their midterm grade.
- Work through the high school counselor when you have a concern. Our Kirkwood partnership allows us to stay in open contact with the school district since concurrent enrollment classes are offered for high school and college credit. In some instances, students may choose to release FERPA information. Contact our office for more information on this process.

# KIRKWOOD CAREER ACADEMY STUDENT REQUIREMENTS

## **Advanced Manufacturing with Robotics and Welding**

- Strict attendance policy in place to meet industry standards for certification. Personal protective equipment requirements outlined at orientation.

## **Architecture, Construction, Engineering (ACE) (Pre-Apprenticeship)**

- Algebra I or Geometry strongly encouraged.

### **2-tracks**

- 1. Architecture and Engineering Design**
- 2. ACE Construction Trades**

## **Arts and Sciences: Liberal Arts Transfer Pathways**

- Senior Year Plus (SYP) Arts and Sciences Proficiency
- **Placement testing required:** Accuplacer Writing 82 or ACT English 18.

## **Arts and Sciences: Pre-Professional Health Careers Transfer**

- SYP Arts and Sciences Proficiency determined by high school assessment data and recent high school biology with a grade of B or higher strongly recommended.

## **Electrical, Energy and Automation**

- **Placement testing required:** ALEKS 8, Accuplacer Writing 32, Reading 71 or ACT Writing 15, Reading 16, Math 17 or department approval.

## **EMT**

- Student must be 17 on the first day of spring semester of the year enrolled. Completion of high school biology with C or higher.
- Students must have own transportation to clinical experience and be prepared for time commitment outside of class time to complete the clinic requirements.
- Health immunization requirements are shared with students at orientation and must be completed prior to the beginning of November of the year enrolled in the course.

## **Engineering: Project Lead The Way™ (PLTW)**

- 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.

## Patient Care

- Student must be 16 prior to March 1 of the year enrolled.
  - Completion of high school biology with C or higher within previous two years recommended.
  - Must obtain 79 or higher in Nurse Aide course during spring semester to move on to clinical experience.
  - There are no excused absences for Nurse Aide, per state regulations.
  - Students must have own transportation to clinical experience and be prepared for time commitment outside of academy class time to complete the clinic requirements.
  - Health immunization requirements (\* if applicable) are shared with students at orientation and must be completed prior to the beginning of November of the year enrolled in the course.
- \* Only required for CNA

## Pharmacy Technician

- High School seniors age 17 on first day of class. The student must turn 18 within one calendar year from the course start date for the certification requirements.
- Students must have successfully completed high school Algebra II 70 percent or better, in addition to Explorations of Health Careers and Medical Terminology, to enroll in the Pharmacy Technician course in the spring term.
- Students must have own transportation to 48-hour clinical experience in area retail and hospital pharmacy established by Kirkwood clinical agreements, and be prepared for time commitment outside of academy class time to complete the clinic requirements.
- Strict attendance policy.
- Health immunization requirements are shared with students at orientation and must be completed prior to the beginning of November of the year enrolled in the course.
- **Placement testing required:** Compass Pre-Algebra 71/ACT Math 19/ALEKS 30 percent; Accuplacer Reading Score of 71/ACT Reading = 16/Compass Reading = 71 unless by permission of program director.

**Please Note:** Requirements are subject to change and are covered in more detail at the required student orientation. For the most up-to-date information including program offering and availability, contact your Kirkwood Career Development Coordinator or the Kirkwood location closest to you.

# SELECT FOR SUCCESS

## THE RIGHT STUDENTS FOR THE RIGHT REASONS

Kirkwood partners with area school districts to prepare students to learn essential skills and earn college credit through a variety of concurrent enrollment options. Iowa law requires students, instructors and institutions to meet certain criteria to be eligible to participate in this programming.

### To participate, students must:

- Satisfy Kirkwood Community College prerequisites, which may include a satisfactory placement score for reading, writing and math, indicated by the college's recognized placement exams.

### OPTIONS TO EARN COLLEGE CREDIT IN HIGH SCHOOL AT KIRKWOOD:

#### Arts and Science Academy

- To participate in liberal arts courses, students must demonstrate proficiency in each of the three academic areas – math, science and reading – as indicated by Iowa Assessment Testing or an alternative measure of proficiency adopted by the school board. Students must also satisfy Kirkwood Community College prerequisites.

#### Career Academy

- Participation in career and technical courses is not based on proficiency of Iowa Assessment scores. Students will need to satisfy Kirkwood Community College prerequisites on individual courses as needed.

### ADDITIONAL INDICATORS OF SUCCESS:

#### Academic skills or standing:

- Satisfactory attendance record
- Successfully completes related high school coursework (where applicable)
- Completes all assignments by due date, including assigned readings
- Demonstrates self-motivation as a learner
- Applies classroom learning to real-life cases, observations and service learning
- Has a minimum cumulative GPA of 2.5

#### Personal traits/dispositions:

- Demonstrates respect for others
- Exhibits intellectual curiosity and openness to new ideas
- Works well as part of a team
- Demonstrates honesty and ethical decision-making
- Willingness to devote several hours each week outside of class to study, review and prepare for coursework

#### Maturity:

- Demonstrates self-advocacy and communication of needs
- Completes successful transition into junior or senior year of high school
- Successfully manages academic, work, extracurricular and other commitments
- Takes responsibility for their learning and success



## Career Academy Schedule: 2019-2020

See the chart below for the tentative Career Academy schedule for the 2019-2020 academic year. Please be aware: academy schedule placement is subject to change. Your district may not offer all of these academies and courses.

**Note:** | High schools may not offer bussing for all time blocks.  
| Please check with your high school for your transportation options.

*NEW* Indicates new additions to academy offerings.

Academy	Course Name	Credits	Section
<b>Advanced Manufacturing with Robotics &amp; Welding</b>  (17 Credits)	Offered: 7:30 – 10:00AM or 12:30 – 3:00PM		
	CNC Mill Operator (NIMS)	3	MFG-291
	CNC Lathe Operator (NIMS)	3	MFG-292
	Introduction to Safety and Health for Welders SENSE1	1	WEL-228
	Virtual Reality Welding	1	WEL-153
	PLTW Computer Integrated Manufacturing <i>NEW</i>	3	EGT-450
	Gas Metal Arc Welding Short Circuit Transfer: SENSE1	2	WEL-244
	Gas Metal Arc Welding Spray Transfer: SENSE1	2	WEL-245
	Gas Tungsten Arc Welding for Carbon Steel: SENSE1	2	WEL-251
<b>Architecture, Construction &amp; Engineering (ACE)</b>  <b>Pre-Apprenticeship Program</b>  (15 - 17 Credits)  Completion of ACE Academy Tracks and an internship will earn students an ACE Diploma.  All ACE academy classes are required for Kirkwood Community College's Registered Apprenticeship Program – Construction Technologist.  *Count toward Kirkwood Community College's Interior Design Program.	<b>Construction Trades Track</b> Offered: 7:30 – 10:00AM		
	ACE Professions <i>NEW</i>	3	ARC-153
	Structures & Mechanical, Electrical, Plumbing <i>NEW</i>	3	CON-313
	Construction Lab	3	CON-190
	Architectural Plans and Specs*	3	CON-101
	PLTW Civil Engineering & Architecture	3	EGT-460
	<b>Architectural and Engineering Design Track</b> Offered: 12:30 – 3:00PM		
	ACE Professions <i>NEW</i>	3	ARC-153
	Structures of Building, Information & Modeling* <i>NEW</i>	3	CAD-201
	Architectural Modeling*	3	CON-410
	Architectural Plans and Specs*	3	CON-101
	PLTW Civil Engineering & Architecture	3	EGT-460

Academy	Course Name	Credits	Section	
<b>Agriculture Science <i>NEW</i></b> <b>(12 Credits)</b>	Offered: 1:30 – 3:00 PM			
	Principles of Agronomy	3	AGA-114	
	Precision Farming Systems	3	AGP-333	
	Survey of Animal Industry	3	AGS-113	
	Business Innovation	3	MGT-112	
<b>Arts &amp; Sciences</b> <b>Pre-Liberal Arts Transfer</b> <b>(12 – 15 Credits)</b>	<b>Track A</b> Offered: 7:30 – 9:00 AM or 1:30 – 3:00PM			
	Composition I	3	ENG-105	
	Composition II	3	ENG-106	
	Introduction to Sociology	3	SOC-110	
	Fundamentals of Oral Communication	3	SPC-101	
	<b>Track B</b> Offered: 7:30 – 9:00AM or 1:00 – 2:30PM			
	College Writing	5	ENG-120	
	Art Appreciation	3	ART-101	
	Introduction to Psychology	3	PSY-111	
	Fundamentals of Oral Communication	3	SPC-101	
	<b>Track C</b> Offered: 7:30 – 9:00 AM or 1:30 – 3:00PM			
	Composition I	3	ENG-105	
	Composition II	3	ENG-106	
	Macroeconomics	3	ECN-120	
	Fundamentals of Oral Communication	3	SPC-101	
	<b>Track D</b> Offered: 7:30 – 9:00 AM or 1:30 – 3:00PM			
	College Writing	5	ENG-120	
	Art Appreciation	3	ART-101	
	Statistics	4	MAT-157	
	Fundamentals of Oral Communication	3	SPC-101	
	<b>Track E</b> Offered: 7:30 – 9:00 AM			
	Human Biology	3	BIO-154	
	Art Appreciation	3	ART-101	
	Mass Media	3	MMS-101	
	Cultural Anthropology	3	ANT-105	
	<b>Arts &amp; Sciences</b> <b>Pre-Business Administration</b> <b>(12 Credits)</b>	Offered: 7:30 – 9:00AM or 1:30 – 3:00PM		
		Macroeconomics	3	ECN-120
		Introduction to Business	3	BUS-102
Business Innovation <b>AM ONLY</b>		3	MGT-112	
Principles of Management		3	MGT-101	
Project Management Basics <b>PM ONLY</b>	3	MGT-121		

Academy	Course Name	Credits	Section
<b>Arts &amp; Sciences Pre-Criminal Justice Transfer</b>  <b>(12 Credits)</b>	Offered: 1:30 – 3:00PM		
	Introduction to Criminal Justice	3	CRJ-100
	Introduction to Ethics	3	PHI-105
	Introduction to Sociology	3	SOC-110
	US History to 1877	3	HIS-151
<b>Arts &amp; Sciences Pre-Education Transfer</b>  <b>(13 Credits)</b>	Offered: 7:30 – 9:00AM		
	Exploring Teaching	3	EDU-110
	Introduction to Psychology	3	PSY-111
	Topics in Education	1	EDU-200
	Developmental Psychology	3	PSY-121
	Business Innovation	3	MGT-112
<b>Arts &amp; Sciences Pre-Social Work Transfer</b>  <b>(12 Credits)</b>	Offered: 7:30 – 9:00AM		
	Introduction to Human Services	3	HSV-109
	Introduction to Sociology	3	SOC-110
	Cultural Anthropology	3	ANT-105
<b>Art, Media &amp; Design <i>NEW</i></b>  <b>(12 Credits)</b>	Offered: 1:30 – 3:00PM		
	Design Fundamentals	3	ART-301
	Mass Media <b>OR</b>	3	MMS-101
	Principles of Marketing	3	MKT-110
	Drawing	3	ART-133
<b>Computer Programming and Software Development</b>  <b>(13 Credits)</b>  *Count toward Kirkwood Community College's Web Technology/ Development Certificate Program.	Offered: 7:30 – 10:00AM		
	Introduction to Programming Logic*	3	CIS-121
	Fundamentals of Web Programming*	3	CIS-207
	IT Career Exploration <i>NEW</i>	1	CIS-103
	Java	3	CIS-171
Client Side Scripting* <b>OR</b> Choice of Internship	3	CIS-280	

Academy	Course Name	Credits	Section
<b>Dental Science</b> <b>(13.5 Credits)</b> *Students may add a general education course in place of HSC-205 that aligns with their Kirkwood Community College Allied Health program of choice.	Offered: 1:30 – 3:00PM		
	Health Skills I	1	HSC-210
	Dental Terminology	2	DEN-110
	Professionals in Health	3	HSC-107
	Dental Anatomy	3	DEN-130
	Head and Neck Anatomy	1.5	DEN-130
	Exploration of Healthcare Careers*	3	HSC-205
<b>Emergency Medical Technician (EMT)</b> <b>(15.5 Credits)</b>	Offered: 7:30 – 9:00 AM		
	Exploration of Healthcare Careers	3	HSC-205
	Medical Terminology	4	HSC-115
	Emergency Medical Tech I	4	EMS-255
	Emergency Medical Tech II	3.5	EMS-350
	Emergency Medical Tech II Clinical	1	EMS-365
<b>Energy, Electrical, and Automation</b> <b>(14 Credits)</b>	Offered: 7:30 – 10:00AM		
	Torquing and Tensioning	1	IND-167
	Mechanical Drive Systems I	2	ATR-300
	Mechanical Drive Systems II	1	ATR-302
	Applied Industrial Math for Technicians	3	MAT-232
	Applied Electrical Math for Technicians	1	MAT-234
	Basic Electrical Circuits	4	ELE-364
	Microcomputers for the Trades	2	IND-156
<b>Graphic Communication Technology</b> <b>(12 Credits)</b> *Count toward Kirkwood Community College's Graphic Communication Technology Degree Program.	Offered: 7:30 – 9:00AM		
	Design Fundamentals*	3	ART-301
	Illustrator I*	3	GRA-127
	Digital Layout*	3	GRA-131
	Digital Imaging*	3	GRA-140
<b>Hospitality Careers</b> <b>(12.5 Credits)</b> *Count toward Kirkwood Community College's Culinary Degree Program.	Offered: 1:30 – 3:00PM		
	Introduction to Lodging Operations	2	HCM-600
	Hospitality Marketing and Social Media	3	HCM-615
	Customer Service Strategies	1	MKT-180
	Menu Planning*	1.5	HCM-207
	Sanitation and Safety* <i>NEW</i>	2	HCM-100
	Purchasing, Receiving, and Inventory*	2	HCM-251

Academy	Course Name	Credits	Section
<b>Network &amp; Cyber Security</b> <b>(13 Credits)</b> * Count toward Kirkwood Community College's Network and Administration Program.	Offered: 12:30 – 3:00PM		
	Network Plus*	3	NET-165
	Computer Hardware Basics*	3	NET-122
	IT Career Exploration <i>NEW</i>	1	CIS-103
	Cyber Law and Ethics* <i>NEW</i>	3	NET-630
	Introduction to Programming Logic <i>NEW</i>	3	CIS-121
<b>Patient Care</b> <b>(12.5 Credits)</b>	Exploration of Healthcare Careers	3	HSC-205
	Medical Terminology	4	HSC-115
<b>CNA: 7:30 – 9:00AM OR</b> <b>2:15 – 3:45PM</b> <b>HSP : 1:30 – 3:00PM</b>	Professionals in Health	2	HSC-107
	Health Support Professional (HSP) OR	3.5	HSC-162
	Nurse Aide (CNA)	3.5	HSC-168
<b>Pharmacy Technician</b> <b>(13.5 Credits)</b>	Offered: 7:30 – 9:00AM		
	Professionals in Health <i>NEW</i>	2	HSC-107
	Medical Terminology	4	HSC-115
	Pharmacy Technician	6.5	PHR-171
	Pharmacy Technician Clinical	1	PHR-172
<b>Pre-Professional/Health Careers*</b> <b>(14 Credits)</b> <i>High school anatomy or biology strongly recommended before taking this academy.</i>	Offered: 7:30 – 9:00AM or 1:30 – 3:00PM		
	Nutrition	3	BIO-151
	Human Anatomy & Physiology I	4	BIO-168
	Human Anatomy & Physiology II	4	BIO-173
	Exploration of Healthcare Careers	3	HSC-205
*Kirkwood Community College health career program options include: Occupational or Physical Therapy, Exercise Science and Wellness, Nursing, and Surgical or Pharmacy Tech Programs			
<b>Transportation</b> <b>(12-18 Credits)</b> *Students who complete the Automotive Technology Track will earn a Fundamentals of Automotive Technology Certificate. One additional semester will earn an Entry Level Automotive Technology Diploma.	<b>Automotive Technology Track*</b> Offered: 7:30 – 10:00AM		
	Introduction to Automotive Technology	3	AUT-104
	Maintenance and Light Repair	4	AUT-100
	Industrial Math I	3	MAT-715
	Automotive Electricity	5	AUT-611
	<b>Automotive Collision Track</b> Offered: 1:30 – 3:00PM		
	Introduction to Metalworking & Refinishing I	3	CRR-121
	Introduction to Metalworking & Refinishing II	3	CRR-122
	Industrial Math I	3	MAT-715
	Basic Automotive Electricity	3	AUT-603

## Additional Course Options

Additional courses are an option for those who are unable to commit to a year-long Academy experience yet desire taking college credit courses while in high school. Students may take advantage of convenient transportation provided by their school district. These courses may be taken in addition to a Career Academy or as a Stand-Alone option.

### Fall 2019 Options

Offering Time	Course Name	Credits	Section
Online	Water Treatment I *	4	WAT-304
Online	Wastewater I *	4	WAT-307
MWF 7:30 – 9:00AM	Microbiology	4	BIO-186
TBD 7:30 – 9:00AM	Cultural Anthropology	3	ANT-105
TTh 7:30 – 9:00AM	Human Biology	3	BIO-154
TBD WebLive	Personal Finance	3	FIN-121

### Spring 2020 Options

Offering Time	Course Name	Credits	Section
Online	Water Distribution *	4	WAT-305
Online	Water Environmental Tech Internship *	3	WAT-932
TBD 7:30 – 9:00AM	Art Appreciation	3	ART-101
TBD 7:30 – 9:00AM	Mass Media	3	MMS-101
Online	Personal Finance	3	FIN-121
MWF 7:30 – 9:00AM	Microbiology	3	BIO-186

\* Count toward Kirkwood Community College's Water Environmental Technology Program

The amount of college credit earned by a high school student in an academic year is subject to limitations based on Senior Year Plus regulations. Additionally, the above courses offered by Kirkwood Community College will always earn college credit, but may not satisfy certain high school requirements. Speak to your high school counselor when planning to enroll in Kirkwood courses to ensure your individual graduation requirements are met.