



# KIRKWOOD

EARN COLLEGE CREDIT IN HIGH SCHOOL



2019 – 20 Programs of Study  
**LINN COUNTY  
REGIONAL CENTER**

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

**Kirkwood**  
COMMUNITY COLLEGE



## COLLEGE CREDIT *in* HIGH SCHOOL

December 2018

Dear Students, Parents, and K-12 Partners,

Last year, nearly 1,200 high school students in Linn County were served through our partnerships with 10 local high school districts. We are thankful to continue our partnerships with Alburnett, Center Point-Urbana, Cedar Rapids, Linn Mar, Lisbon, Marion, Mount Vernon, North Linn, College Community, Vinton-Shellsburg, and Xavier High School, as well as local home schools associations.

Kirkwood's Career Academy programs are designed to introduce students to a variety of technical career fields leading to high demand jobs in our region. Additional concurrent offerings are also available for students wanting to take a more individualized approach leading to advanced coursework in multiple pathways. At no cost to the student, our partnership provided *more than a million dollars of tuition savings* last year alone!

**Priority is given to students who complete the pre-enrollment process prior to the mandatory orientation.** Students must work through high school guidance office for assistance with pre-registration. All orientations will be held from **6 to 7 pm at Kirkwood's Linn County Regional Center, room 900**. An online orientation component will be shared with students and families to complete prior to the start of classes in August 2019.

### **Linn Regional College Credit in High School Orientation Nights**

- a. Industrial Tech Pathways– Wednesday, April 3, 2019**  
*(for students pre-registered for Auto Technology, Auto Collision, Architecture, Construction, Engineering (ACE), Advanced Manufacturing with Robotics & Welding Academy Programs)*
- b. Health Occupations/Allied Health Science Academies Wednesday, April 10, 2019**  
*(Dental, EMT Patient Care: Certified Nurse Assistant and Health Service Professional, Pharmacy Technician and Pre-Professional Health Careers)*
- c. Concurrent Enrollment/Pre-Transfer Experiences Wednesday, May 1, 2019**

Additional information on the Kirkwood Linn County Regional Center, including a complete listing of program/course opportunities, can be found at [www.kirkwood.edu/linnregional](http://www.kirkwood.edu/linnregional).

Please don't hesitate to reach out if you have questions or concerns. Contact our office at 319-398-1052 or email our team at [linn.regional@kirkwood.edu](mailto:linn.regional@kirkwood.edu). We're here to help!

Sincerely,

**Mindy J. Thornton**  
Director  
Linn County Regional Center

**Sarah Matheny**  
Career Development Coordinator  
Linn County Regional Center

## 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 [www.kirkwood.edu/hscreditapply](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 below 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 [www.kirkwood.edu/transcript](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 [www.regents.iowa.gov/RAI](http://www.regents.iowa.gov/RAI).

# 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

## Course Offerings Available at Kirkwood’s Linn County Regional Center

Interested students should inquire with his or her high school guidance office to determine eligibility and process for enrolling in courses through Kirkwood Community College. Students may choose to enroll in concurrent offerings (see list of individual courses) and/or enroll in a sequence of career and technical courses referred to as a Career Academy leading towards a pathway (certification or degree) towards high demand career and technical jobs in our region.

### Career Academy Offerings

Academy offerings listed below are a designed as a sequence of courses offered as a “cohort model” and intended as yearlong experiences leading to advanced placement into a Kirkwood associates degree program and/or industry recognized certification. In some pathways, students may choose individual courses to design the most transfer-friendly pathway for their future college major and/or career interest. Students interested in a “stand alone” experience of one or two classes should see the proposed pathways below and/or work with the Career Development Coordinator at Kirkwood’s Linn Regional Center for preliminary academic advising.

Course offerings are subject to change. Courses are offered between 8:00 am-9:30 am and/or 1:30 pm -3:00 pm unless otherwise noted as a 2.5 hour experience (8:00-10:30 am or 12:30-3:00 pm accordingly).

Students enrolling in a career academy package must take the whole cohort of offerings unless the college level course is offered at the local high school. Students seeking a more flexible package should consult the list of concurrent enrollment offerings designed for individualized planning of college credit offerings.

Career Academy	Academy Courses	Course Number	Credit Hours
<b>Advanced Manufacturing with Robotics &amp; Welding</b>	Intro to Welding, Safety, and Health of Welders	WEL-228	1
AM and PM	Virtual Reality Welding	WEL-153	1
Total Credits: 17	Gas Metal Arc Welding Short Cir. Trans.	WEL-244	2
8:00-10:30 am (2.5 hour experience) OR 12:30-3:00 pm (2.5 hour experience)	Gas Metal Arc Welding Spray Trans.	WEL-245	2
	Gas Tungsten Arc Welding for Carbon Steel	WEL-251	2
	CNC Mill Operator (NIMS)	MFG-291	3
	CNC Lathe Operator (NIMS)	MFG-292	3
	PLTW Computer Integrated Manufacturing CIM	EGT-450	3
<b>Architecture, Construction, Engineering (ACE): Engineering and Design Track (Pre-Apprenticeship)</b>	ACE Professions	ARC-153	3
AM Only	Architectural Plans & Specs	CON-101	3
Total Credits: 12	Architectural Modeling	CON-410	3
	Building Information Modeling (BIM)	CAD-201	3
<b>Architecture, Construction, Engineering (ACE): Construction Trades Track (Pre-Apprenticeship)</b>	ACE Professions	ARC-153	3



<b>PM Only</b>	Architectural Plans & Specs	CON-101	3
Total Credits: 12	Structures of Mechanical, Electrical and Plumbing	CON-313	3
	Construction Lab	CON-190	3
<b>Art, Media &amp; Design</b>			
	Design Fundamentals	ART-301	3
Total credits: 12	Drawing	ART-133	3
AM Only	Marketing	MKT-110	3
	Art Appreciation	ART-101	3
<b>Computer Programming and Software Development (Coding)</b>			
AM Only	IT Career Exploration	CIS-103	1
Total Credits: 10 college credits*	T TH is open for options: Hour of Code and Java Talk or STEM Innovator	TBD	noncredit or 3
*can supplement TTH course, recommend gen ed course or Bus Innovation/STEM innovator	Intro to Programming Logic	CIS-121	3
	Java	CIS-171	3
	Fundamentals of Web Programming	CIS-207	3
<b>Dental</b>			
Total Credits 12.5	Dental Terminology	DEN-110	2
AM ONLY	Explorations of Health Careers	HSC-205	3
	Health Skills I	HSC-210	1
	Dental Anatomy	DEN-120	3
	Head and Neck Anatomy	DEN-130	1.5
	Professionals in Health	HSC-107	2
<b>Emergency Medical Services (EMT-B) Certification</b>			
AM Only	Medical Terminology	HSC-115	4
Total Credits: 15.5	Explorations of Healthcare Careers	HSC-205	3
	EMT I	EMS-255	4
	EMT II	EMS-350	3.5
	EMT II Clinical	EMS-365	1
<b>Health Science: Patient Care</b>			
AM & PM	Exploration of Healthcare Careers	HSC-205	3
Total Credits: 11.5 HSP or 12.5 CNA	Medical Terminology	HSC-115	4
	Nurse Aide or HSP track	HSC-168 or HSC-162	3.5 or 2.5
	Professionals in Health	HSC-107	2
<b>Hospitality Careers (WebLive)</b>			
PM Only	Sanitation and Safety	HCM-100	2
Total Credits: 10.5	Intro to Lodging Operations	HCM-600	2
	Hospitality Marketing & Social Media	HCM-615	3
	Purchasing, Receiving & Inventory	HCM-251	2
	Menu Planning	HCM-207	1.5

<b>Network and Cyber Security</b>	Introduction to Programming Logic	CIS-121	3
PM Only	Computer Hardware Basics	NET- 122	3
Total credits: 13	IT Career Exploration	CIS-103	1
	Network Plus	NET-165	3
	Cyber Law and Ethics	NET-630	3
<b>Pharmacy Technician Diploma and Certification</b>	Medical Terminology	HSC-115	4
PM Only	Professionals in Health (PIH)	HSC-107	2
Total Credits: 13.5	Pharmacy Technician	PHR-171	6.5
	Pharmacy Technician Clinical	PHR-172	1
<b>Transportation: Automotive Collision Repair and Restoration</b>	Intro to Metalworking and Refinishing I	CRR-121	3
AM Only	Industrial Math	MAT-715	3
Total Credits: 12 credits	Intro to Metalworking and Refinishing II	CRR-122	3
	Basic Auto Electricity	AUT-603	3
<b>Transportation: Automotive Technology</b>	Introduction to Automotive Technology	AUT-104	3
AM & PM	Automotive Electricity	AUT-611	5
Total Credits: 15	Industrial Math	MAT-715	3
8:00-10:30 am (2.5 hour experience) OR 12:30-3:00 pm (2.5 hour experience)	Maintenance and Light Repair	AUT-100	4

### Concurrent Offerings: Choose Your Own Pathway!

If you're looking for an option with more flexibility, consider enrollment in individual courses available. Students may choose up to four classes (two per semester) from the following list to build an individualized experience tailored towards individual career and college transfer experiences. Students should work through high school guidance office, the Career Development Coordinator at Linn Regional, and/or transfer institution for guidance.

**AM Course Offerings** meet 8:00-9:30 unless otherwise noted.

\*\*Please note, course offerings and dates may be subject to change based on enrollment management needs.

Availability	Course Title	Course Number	Credits	Curriculum Requirement or Pathway *students should confirm transferability questions with advisor
FALL M-TH	College Writing	ENG-120	5	Kirkwood Arts & Sciences Communication--Writing Core *due to the increased contact hours, this course meets M-TH.
FALL MW	Intro to Criminal Justice	CRJ-100	3	Kirkwood Arts & Sciences Social Science Core; Criminal Justice Pathway
FALL MW	Intro to Psychology	PSY-111	3	Kirkwood AA Social Science Core
FALL MW	Intro to Business	BUS-102	3	Business Pathway
FALL MW	Drawing	ART-133	3	Transfer General Elective, Art & Design Pathway

Availability	Course Title	Course Number	Credits	Curriculum Requirement or Pathway *students should confirm transferability questions with advisor
FALL MWF*	Human Anatomy & Physiology I	BIO-168	4	Kirkwood Arts & Sciences Science Core; Health Sciences Pathway *This course has a lab that meets Fridays 8:00-10:00 am.
FALL TTH	Exploring Teaching	EDU-110	3	Kirkwood AA Social Science Core; Education Pathway
FALL TTH	Business Innovation (STEM Innovator)	MGT-112	3	Business & STEM Pathways; project based learning for all majors
FALL TTH	How College Works	SDV-105	3	Transfer General Elective
FALL TTH	Math & Society	MAT-115	3	Kirkwood AA Math requirement
FALL TTH	Design Fundamentals	ART-301	3	Art & Design Pathway
SPRING MW	Art Appreciation	ART-101	3	Transfer General Elective, Art & Design Pathway
SPRING MW	Personal Finance	FIN-121	3	Business Pathway, Elective.
SPRING MW	Human Biology	BIO-154	3	Kirkwood Arts & Sciences Science Core; Health Sciences Pathway
SPRING MWF	Human Anatomy & Physiology II	BIO-173	4	Kirkwood Arts & Sciences Science Core; Health Sciences Pathway *This course has a lab that meets Fridays 8:00-10:00 am.
SPRING TTH	Fundamentals of Oral Communication	SPC-101	3	Kirkwood Arts & Sciences Communication –Speech Core
SPRING TTH	Personal Wellness	PEH-111	3	Health Sciences, Pre-Professional and Exercise Science Pathway Elective
SPRING TTH	Principles of Marketing	MKT-110	3	Business and IT Pathway (also required in Web Technologies and certificate programs)

**PM Course Offerings** meet 1:30-3:00 pm unless otherwise noted.

\*\*Please note, course offerings and dates may be subject to change based on enrollment management needs.

Availability	Course Title	Course Number	Credits	Curriculum Requirement or Pathway *students should confirm transferability questions with advisor
FALL MW	Project Management Basics	MGT-121	3	Business Pathway; required course towards Kirkwood PM Certificate
FALL MW	Exploring Teaching	EDU-110	3	Kirkwood Arts & Sciences Social Science Core; Education Pathway
FALL MW	Intro to Human Services	HSV-109	3	Kirkwood Arts & Sciences Social Science Core; Human Services (Social Work) Pathway
FALL MW	Fundamentals of Oral Communication	SPC-101	3	Kirkwood Arts & Sciences Communication –Speech Core
FALL MW	Survey of World Religions	REL-101	3	Kirkwood Arts & Sciences History-Cultures Core
FALL MWF	Human Anatomy & Physiology I	BIO-168	4	Kirkwood Arts & Sciences Science Core; Health Sciences Pathway *This course has a lab that meets Fridays 1:00-3:00 pm

Availability		Course Number	Credits	Curriculum Requirement or Pathway *students should confirm transferability questions with advisor
FALL TTH	Composition I	ENG-105	3	Kirkwood Arts & Sciences Communication--Writing Core
FALL TTH	Intro to Psychology	PSY-111	3	Kirkwood AA Social Science Core
FALL TTH	How College Works	SDV-105	3	Transfer Elective
FALL TTH	Principles of Supervision	MGT-130	3	Business Pathway; required course towards Kirkwood PM Certificate
SPRING MWF	Human Anatomy & Physiology II	BIO-173	4	Kirkwood Arts & Sciences Science Core; Health Sciences Pathway *This course has a lab that meets Fridays 1:00-3:00 pm
SPRING MW	Business Innovation (STEM Innovator)	MGT-112	3	Business & STEM Pathways; project based learning for all majors
SPRING MW	Cultural Anthropology	ANT-105	3	Kirkwood Arts & Sciences History-Cultures Core
SPRING MW	Music Appreciation	MUS-100	3	Kirkwood Arts & Sciences Humanities Core
SPRING MW	Project Management Tools	MGT-124	3	Business Pathway; required course towards Kirkwood PM Certificate
SPRING TTH	Composition II	ENG-106	3	Kirkwood Arts & Sciences Communication--Writing Core
SPRING TTH	Principles of Management	MGT-101	3	Business Pathway
SPRING TTH	Nutrition	BIO-151	3	Kirkwood Arts & Sciences Science Core; Health Sciences Pathway
SPRING TTH	Developmental Psychology	PSY-121	3	Kirkwood Arts & Sciences Social Science Core

Not seeing what you're looking for? Kirkwood offers many courses in a variety of formats to help students earn college credit while in high school. Please contact our office or work with your high school guidance office to learn about additional options that may be available.