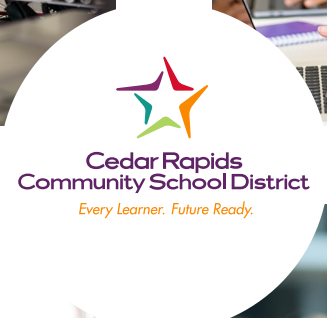
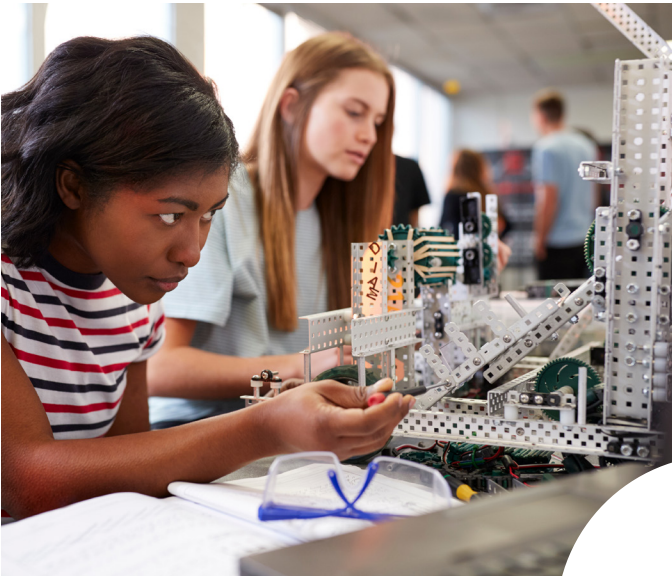


PROGRAM OF STUDIES



2026-2027

Updated 5-27-26

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ABOUT

The Cedar Rapids Community School District's Program of Studies is a guide to the wide range of learning opportunities available to students across our five high schools. It includes information about graduation requirements, academic guidelines, and opportunities that support college and career readiness while in high school. The Program of Studies serves as a resource to support planning conversations that help students connect their strengths and interests to a personalized pathway toward graduation and future success.

The Program of Studies features both required courses and opportunities for students to explore interests, build new skills, and prepare for the future. These experiences reflect CRCSD's commitment to ensuring every learner is **equipped, empowered, and engaged to excel** in school and beyond. Course offerings may vary by school and are subject to change based on student interest, staffing, and available resources.

Students and families are encouraged to connect with their School Counselor for support in planning and course selection.

CRCSD DIPLOMA OPTIONS & GRADUATION REQUIREMENTS

At Cedar Rapids Community School District, we want all graduates to be equipped for college and career, empowered for life, and engaged in community and civics. To support this vision, CRCSD offers two diploma options: the Standard Diploma and the Core Diploma. Both diplomas require students to meet subject area requirements set by Iowa law and the CRCSD Board of Directors. Credit-bearing courses listed in this Program of Studies book and taken in Middle School will count towards graduation requirements for both diploma options. One semester course earns one credit, while a yearlong course earns two credits. This section outlines the credit and subject area requirements for each diploma, enabling students and their families to understand the options available.

Standard Diploma

The Standard Diploma is the primary diploma pathway at CRCSD and requires a minimum of 40 credit hours, including the subject-area requirements set by Iowa law and the CRCSD Board of Directors.

The District's Standard Diploma prepares students by providing them with the strongest foundation for success in all post-secondary opportunities, including but not limited to four-year college/university, two-year college/university, military, and the workforce.

Required Credits to Graduate with a CRCSD Standard Diploma

SUBJECT	CREDITS
English Language Arts	8
Mathematics	6
Science	6
Social Studies	6
Physical Education	4
Elective Courses	10
Non-credit bearing requirements	Successfully complete state required CPR course and Civics Exam.
Total	40

Core Diploma

The Core Diploma is an Iowa Department of Education-approved high school diploma designed for students who have faced significant life challenges that may make it difficult to meet the standard diploma requirements. A Core Diploma requires a minimum of 32 credit hours, including the subject-area requirements set by Iowa law and the CRCSD Board of Directors.

Students may be considered for the core diploma pathway in their junior year if they have earned fewer than 15 course credits and are referred by a teacher, counselor, or administrator through an application process.

While the Core Diploma meets all state graduation requirements, the District's Standard Diploma (40+ credits) offers additional coursework that better prepares students for admission to a four-year college or university.

Students earning a Core Diploma receive the same official diploma as all CRCSD graduates. This type of diploma will not affect FAFSA eligibility; however, it does not meet NCAA eligibility requirements. Students interested in attending a four-year college should ensure they meet the school's admission requirements. If you are interested in learning more about the Core Diploma pathway, please visit with your school counselor. Note: The Core Diploma is intended only for select students with exceptional circumstances. Whenever possible, students are encouraged to pursue the Standard Diploma.

Required Credits to Graduate with a CRCSD Standard Diploma

SUBJECT	CREDITS
English Language Arts	8
Mathematics	6
Science	6
Social Studies	6
Physical Education	4
Elective Courses	2
Non-credit bearing requirements	Successfully complete state required CPR course and Civics Exam.
Total	32

2026-2027 COURSE LOAD REQUIREMENTS

Course Load

9th grade

Students will maintain a schedule of 7 courses each semester, which includes year-long courses: Math, Science, Social Studies, Language Arts, Freshman Seminar, and one semester of Physical Education.

*Students may also be scheduled for one Study Hall or personalized learning lab each semester.

10th Grade:

Students will maintain a schedule of 7 courses each semester, including year-long courses: Math, Science, Social Studies, Language Arts and one semester of Physical Education.

*Students may also be scheduled for one Study Hall or personalized learning lab each semester.

11th Grade:

Students will be scheduled for four or more classes, including core subjects Math, Science, Social Studies, Language Arts, and one semester of Physical Education.

12th Grade:

Students will be scheduled for four or more classes and one semester of Physical Education.

ACADEMIC GUIDELINES

Satisfactory/Unsatisfactory Option

A student may choose ONE ELECTIVE COURSE PER SEMESTER (either a semester long or year-long course) to be graded on a Satisfactory/Unsatisfactory basis.

The criteria applied to all courses taken as satisfactory/unsatisfactory is as follows:

- Written parental approval is required.
- Satisfactory/Unsatisfactory requests must be made at least 2 weeks (10 days) school days before the end of the semester.
- Students must complete all course expectations as if they were receiving a grade.
- Students may not take any course required to meet content area graduation requirements as Satisfactory/Unsatisfactory.
- Courses taken as Satisfactory/Unsatisfactory will not be computed for Academic Honors.
- Advanced Placement courses and Concurrent Credit classes may not be taken as Satisfactory/Unsatisfactory.
- Courses that are taken as Satisfactory/Unsatisfactory will not be used to compute grade point and/or class rank.

Students must visit their School Counselor for the Satisfactory/Unsatisfactory – Request Form.

Dropping a Course

- Students may request to drop a course or make schedule changes within the first 10 days of each semester. After this 10-day window, dropping a course or making schedule changes requires completing a Course Drop Request Form, along with approval from a building administrator and the Area Chief of Schools. For more information and to obtain the Course Drop Request Form, please contact your designated School Counselor. If a student withdraws from a course after the 10-day period, it will result in a withdrawal/failure for the semester and a loss of credit.
- Written parental approval is required.

Additional qualifications include:

- Seven credit-bearing classes each semester, including PE one semester, are required in grade 9. Freshman may only have one study hall or personalized learning lab per 8-period cycle.
- Seven credit-bearing classes each semester, including PE one semester, are required in grade 10. Sophomores may only have one study hall or personalized learning lab per 8-period cycle.
- Four credit-bearing classes each semester, plus PE one semester, are required in grades 11 and 12.
- Exceptions may be made after the 10 day period for students who want to replace an AP/advanced course with a regular level course.
- Students with 8 or more courses in a given semester can drop up to one course and earn a W for dropped course up until the 30th day of the semester.
- Principals, in consultation with the Chief of Schools, have the ability to override this policy when extenuating circumstances (i.e. medical) are presented.

Dropping a Kirkwood Linn Regional Center Course

Dropping a course may affect your academic progress, financial aid, visa status, and athletic eligibility. For all drop requests, students must communicate with both the high school counselor and the Kirkwood Student and Academic Support Coordinator to ensure the drop is processed correctly at both institutions within the established deadlines. Specific drop dates can be found at www.kirkwood.edu/lastdaytodrop. Note that for short-term classes, such as some welding or OSHA courses, you must drop the course after the first day of class due to the limited meeting hours. If you have any questions, please consult with your high school counselor or the Kirkwood Student and Academic Support Coordinator.

Grade Point Calculation (GPA)

To encourage students to pursue a challenging learning experience, all courses providing students the opportunity to earn college-level credit will be calculated on a 5.0 grading scale. This includes all AP courses, world language courses that do not have an AP option, all Post-Secondary Enrollment Option (PSEO) courses, and all concurrent enrollment courses taken both at Kirkwood Community College and within CRCSD. These courses are identified in the CRCSD Program of Studies with a "W" for weighted course.

The scale for weighted courses is as follows:	
A	5.00
A-	4.67
B+	4.33
B	4.00
B-	3.67
C+	3.33
C	3.00
C-	2.67
D+	2.33
D	2.00
D-	1.67
F	0.00

The scale for all other courses is as follows:	
A+	4.33
A	4.00
A-	3.67
B+	3.33
B	3.00
B-	2.67
C+	2.33
C	2.00
C-	1.67
D+	1.33
D	1.00
D-	0.67
F	0.00







Regents Admissions Index (RAI)

Students wishing to enter any of Iowa's Public Universities (Iowa State University, The University of Iowa, and University of Northern Iowa) must achieve a minimum Regents Admission Index Score of 245. This score is calculated as follows:




$$\begin{aligned}
 & (3 \times \text{ACT composite score}) \\
 + & (30 \times \text{high school GPA}) \\
 + & (5 \times \text{Number of years of RAI-approved high school courses in core subject areas}) \\
 = & \text{Regent Admission Index Score}
 \end{aligned}$$

To access the Regents Admission Index Calculator, visit www.iowaregents.edu/rai




MINIMUM COURSE REQUIREMENTS FOR ADMISSION TO IOWA PUBLIC UNIVERSITIES

ENGLISH	
	4 years emphasizing writing, speaking, reading, as well as an understanding and appreciation of literature.
	4 years with an emphasis on the analysis and interpretation of literature, composition and speech.
	4 years including one year of composition, also may include one year of speech, communication or journalism.
OPTIMUM (Recommendations for success)	4 years of core English language arts courses, plus additional learning experiences that emphasize skills of writing, reading, speaking, and listening. For example, courses in writing, media, speech, or debate will be valuable. Activities such as the production of news or yearbook, speech contest, or debate will further develop essential competencies.
MATH	
	3 years, including at least two years of courses which emphasize elements of algebra, geometry and advanced algebra.
	3 years, including algebra, geometry and advanced algebra. 4 years with the addition of pre-calculus for admission to the College of Engineering.
	3 years, including the equivalent of algebra, geometry and algebra II.
OPTIMUM (Recommendations for success)	4 years, one in each year of high school. While advanced courses like calculus and statistics are good, it's more important that you gain a complete understanding of advanced algebra and trigonometry.




NATURAL SCIENCE

	<p>3 years, including at least two years of courses which emphasize elements of biology, chemistry or physics.</p>
	<p>3 years, including courses in physical science, biology, chemistry, environmental science and physics for admission to the Colleges of Liberal Arts and Sciences and Engineering.</p> <p>3 years, with at least one year each in biology, chemistry and physics, for admission to the College of Nursing.</p>
	<p>3 years including courses in general science, biology, chemistry, earth science, or physics. Laboratory experience is highly recommended.</p>
<p>OPTIMUM (Recommendations for success)</p>	<p>4 years, one in each year of high school. To be well prepared, take at least one year each of biology, chemistry, and physics.</p>




SOCIAL STUDIES

	<p>2 years for admission to Colleges of Agriculture and Life Science, Business, Design, Engineering and Human Sciences.</p> <p>3 years for admission to the College of Liberal Arts and Sciences.</p>
	<p>3 years, with U.S. history and world history recommended for admission to the College of Liberal Arts and Sciences.</p> <p>2 years for admission to the College of Engineering.</p>
	<p>3 years including courses in anthropology, economics, geography, government, history, psychology, or sociology.</p>
<p>OPTIMUM (Recommendations for success)</p>	<p>3 years is essential, but four is better. Take at least one year each of US and world history. Additional courses in anthropology, economics, political science, psychology and sociology provide an important understanding of our political, social and economic institutions.</p>

WORLD LANGUAGE

	<p>2 years of a single world language for admission to the Colleges of Engineering and Liberal Arts and Sciences.</p>
	<p>2 years of a single world language are required for admission. For many degrees, the fourth year of proficiency is required for graduation. Nursing– 4 years in a single language or two years each in two different languages.</p>
	<p>World language courses are not required for admission. However, two years of a world language in high school with a C- or above in the last term will meet the university graduation requirement.</p>
<p>OPTIMUM (Recommendations for success)</p>	<p>4 years of a single foreign language. By taking foreign language during all four years of high school, you'll go beyond the basic skills and begin to use the language and reinforce your fluency.</p>

OTHER COURSES

	<p>Specific elective courses are not required for admission.</p>
	<p>Specific elective courses are not required for admission.</p>
	<p>2 years of additional courses from the required subject areas, foreign language or the fine arts.</p>
<p>OPTIMUM (Recommendations for success)</p>	<p>Explore! Courses in the fine arts, performing arts, computers, or technology will help round out your high school experience. Your future field of concentration or career may lie in one of those areas. Follow your interests, talents, and the strengths of your school. Remember to choose courses with high academic standards.</p>

COLLEGE CLASSES IN HIGH SCHOOL

The Senior Year Plus (SYP) serves as an umbrella for several programs that allow high school students access to courses that have potential to earn college credit or advanced placement, often at little to no cost. Through options such as Advanced Placement (AP), Concurrent Enrollment, Alternative Concurrent Enrollment, and Postsecondary Enrollment Options (PSEO), students can experience college-level learning, explore career interests, and potentially shorten the time and cost required to complete a college degree.

Advanced Placement (AP)

AP Courses enable high school students to participate in college-level course work while still in high school. The AP courses offered currently were created by teams of leading educators nationally and are audited at the College Board. All Advanced Placement courses in this Program of Studies will have an "AP" notation after the course description.

Eligibility Requirements	Students must meet applicable AP course prerequisites.
College Credit	Students must take an AP exam to receive college credit. The potential credit received is based on the scores earned and each individual Post-secondary institution's policies.
Costs	Courses are free. Students are responsible for the cost of the Advanced Placement exam. AP exam costs are reduced or waived for students that qualify for free or reduced school fees. If the exam fee poses a financial hardship, please contact the high school counseling office.
Course Limit	None
Enrollment	Enrollment is completed through your high school counselor.

Concurrent Enrollment

Concurrent Enrollment, also known as district-to-community college sharing, allows high school students to take college-level courses while still in high school. These courses offer an excellent opportunity for students to challenge themselves academically or explore career and technical education (CTE) pathways. Through concurrent enrollment, students earn both high school and college credit at the same time, giving them a head start on their postsecondary goals. Courses are taught by college-approved instructors and may be offered either at the high school or at a community college campus.

Eligibility Requirements	<p>Student Eligibility Students are required to meet all of the following conditions to be eligible to enroll in any course through a SYP program where postsecondary credit is available to the student including concurrent enrollment, PSEO, and certain career academy courses.</p> <ul style="list-style-type: none"> • The student shall meet the enrollment requirements established by the eligible postsecondary institution. The postsecondary institution may require students enrolling through SYP to meet additional enrollment requirements so long as the enrollment requirements apply to all full-time students and do not conflict with other SYP requirements stipulated by Iowa Code and Administrative Rule. • The student shall meet or exceed minimum performance measures on any academic assessments that may be required by the eligible postsecondary institution. • The student shall have taken appropriate course prerequisites, if any, prior to enrollment in the eligible postsecondary course, as determined by the eligible postsecondary institution delivering the course.
College Credit	<p>Students will earn high school and college credit for the courses taken. The final course grade will be recorded on the high school transcript as a weighted grade. Kirkwood transcripts must be submitted to post-secondary institutions for college credit.</p>
Costs	<p>The district covers the cost of tuition and any fees for the course. Textbooks are also provided by either the district or community college.</p>
Course Limit	<p>There are no limits on the number of credits a student may take in a single academic year.</p>
Enrollment	<p>These steps must be completed before enrollment:</p> <ol style="list-style-type: none"> 1. Students will complete the online application form (that includes your Social Security Number) as directed by a school counselor or Kirkwood representative. 2. If applicable, the student will provide a copy of their Kirkwood entrance test scores. 3. Students must complete required orientation.
Transportation	<p>Students are responsible for transportation to and from class, field trips, and other out-of-class activities. Transportation to and from class may be provided by the district upon request and will be considered on a case-by-case basis. Students should submit their requests to the school's main office. The office will coordinate with the Transportation Department to check transportation availability, confirm drop-off and pick-up times, and other details. Once finalized, the main office will share this information with the student who made the request.</p>

Alternative Concurrent Enrollment

Alternative Concurrent Enrollment offers eligible high school students the opportunity to earn college credit by enrolling in college-level courses through a community college. These courses are not available at the high school, rather on a community college campus or online. This option allows students to explore specialized subjects, experience the expectations of college coursework, and get a head start on their postsecondary education while still in high school.

<p>Eligibility Requirements</p>	<p>Student Eligibility Students are required to meet all of the following conditions to be eligible to enroll in any course through a SYP program where postsecondary credit is available to the student including concurrent enrollment, PSEO, and certain career academy courses.</p> <ul style="list-style-type: none"> • The student shall meet the enrollment requirements established by the eligible postsecondary institution. The postsecondary institution may require students enrolling through SYP to meet additional enrollment requirements so long as the enrollment requirements apply to all full-time students and do not conflict with other SYP requirements stipulated by Iowa Code and Administrative Rule. • The student shall meet or exceed minimum performance measures on any academic assessments that may be required by the eligible postsecondary institution. • The student shall have taken appropriate course prerequisites, if any, prior to enrollment in the eligible postsecondary course, as determined by the eligible postsecondary institution delivering the course.
<p>College Credit</p>	<p>Students will earn high school and college credit for the courses taken. The final course grade will be recorded on the high school transcript as a weighted grade. Kirkwood transcripts must be submitted to post-secondary institutions for college credit.</p>
<p>Costs</p>	<p>The district covers the cost of tuition and any fees for the course. Textbooks are also provided by either the district or community college.</p>
<p>Course Limit</p>	<p>There are no limits on the number of credits a student may take in a single academic year.</p>
<p>Enrollment</p>	<p>These steps must be completed before enrollment:</p> <ol style="list-style-type: none"> 1. Students will complete the online application form (that includes your Social Security Number) as directed by a school counselor or Kirkwood representative. 2. If applicable, the student will provide a copy of their Kirkwood entrance test scores. 3. Students must complete required orientation.
<p>Transportation</p>	<p>Students are responsible for transportation to and from class, field trips, and other out-of-class activities.</p>

Post Secondary Enrollment Options (PSEO)

The Postsecondary Enrollment Options (PSEO) program allows eligible high school students to expand their academic course offerings by taking college-level courses at many surrounding 4 Year Post Secondary institutions.

Eligibility Requirements	<p>PSEO courses are open to 11th and 12th grade students and 9th and 10th grade students identified as talented and gifted through our district. Students must meet the college's entrance requirements and any course prerequisites or placement scores. Students must meet the following requirement to take PSEO course:</p> <ul style="list-style-type: none">• Demonstrate proficiency in three academic areas: reading, math, and science. Proficiency is primarily determined by the Iowa Statewide Assessment of Student Progress (ISASP). Students may not take a course which is "comparable" to a course at your high school. (A "comparable" course is one offered by Jefferson, Kennedy, Metro or Washington.)
College Credit	<p>Students will earn high school and college credit for the courses taken. The final course grade will be recorded on the high school transcript as a weighted grade. College/university transcripts must be submitted to post-secondary institutions for college credit.</p>
Costs	<p>The Cedar Rapids Community School District will pay for the cost of tuition and textbooks. Students are responsible for transportation to and from class, field trips, and other out-of-class activities.</p> <p>Students will be responsible for all tuition and fees if the course is failed.</p>
Course Limit	<p>There are no limits on the number of credits a student may take in a single academic year.</p>
Enrollment	<p>Registration must be completed through a school counselor.</p> <ol style="list-style-type: none">1. Meet with a school counselor to determine which courses are feasible.2. Complete the PSEO enrollment form for the desired institution by the deadline.3. Enrollment in course is subject to the institution's final approval.
Transportation	<p>Students are responsible for transportation to and from class, field trips, and other out-of-class activities.</p>

ALTERNATIVE CREDIT OPTIONS

The Cedar Rapids Community School District is committed to helping every student overcome obstacles and successfully earn their high school diploma. To support that success, CRCSD offers several alternative credit options designed for students who may face challenges that interrupt their educational journey or create barriers to graduation. Through these pathways, students can stay on track, recover credits, and achieve success in a way that works best for them.

HiSET Credit Recovery

The HiSET (High School Equivalency Test) program is a credit recovery option for juniors and seniors in extreme circumstances who are behind in one or more core subjects. The HiSET assesses skills and knowledge comparable to those of a high school graduate, allowing students to earn high school credits toward a CRCSD diploma. This program is not a substitute for completing high school, but it provides an alternative path for students who, for various reasons, are unable to finish traditional coursework. It is also not designed to help students graduate early.

The HiSET includes five subject-area exams—Reading, Writing, Math, Science, and Social Studies. Students must be referred by a teacher, counselor, or principal, and may recover credits either by completing courses or by demonstrating proficiency on the exams. If you would like to learn more about the HiSET Credit Recovery Program, please contact your school counselor for further information.










CRCSD Plus Program

The CRCSD Plus Program provides a flexible and supportive learning option for students across all Cedar Rapids Community School District high schools who require an alternative to the traditional classroom setting. It is designed for those who are behind on credits, facing challenges that make daily attendance difficult, or at risk of not graduating on time.

Through a blend of self-paced online learning and dedicated staff support, students can earn a Cedar Rapids Community School District diploma while following a schedule that fits their individual needs. The program is best suited for students who need additional flexibility due to health concerns, family responsibilities, or other personal circumstances. It is not intended for students already making steady progress toward graduation.

Students complete coursework online at their own pace, with teachers and tutors available for support on Tuesdays and Thursdays after school—both in person and virtually. The program also allows students to earn partial credit for completed coursework, helping them stay on track toward graduation. To learn more about the Plus Program, please contact your school counselor.

COURSE CATALOG 2026-2027

KEY		
RAI		Regents Admission Index Approved (RAI)
NCAA		NCAA Approved (NCAA)
AP		Advanced Placement (AP)
W		5.0 Weighted (W)
BIG		Iowa BIG (BIG)
CC		Concurrent (Dual) Credit (CC)
PLTW		Project Lead the Way (PLTW)
CTE		Iowa Association for Career and Technical Education (CTE)
CBE		Competency Based Education (CBE)

KEY		
J		JEFFERSON HIGH SCHOOL
K		KENNEDY HIGH SCHOOL
W		WASHINGTON HIGH SCHOOL
Metro		METRO HIGH SCHOOL
City View		CITY VIEW COMMUNITY HIGH SCHOOL

Freshman Seminar

Freshman Seminar is a credit-bearing, work-based learning course in which all 9th-grade students are automatically enrolled. The course is designed to support students' transition into high school by helping them build meaningful connections with teachers and peers, develop essential study habits and professional skills, explore career interests, and engage with community and business leaders.

Course	Credit	Length	Prerequisite	Schools Offering
Freshman Seminar	1 credit per semester	2 semesters	None	J-K-W

Description: This year-long course is designed to support freshmen in their transition to high school. Students will experience content learning and develop skills in alignment with the Portrait of a Graduate. Areas of learning include: self-awareness, interpersonal skills, habits for academic success, career and college planning, community engagement, employability skills, and career exploration.

English Language Arts

English Language Arts in Cedar Rapids Community School District provides a progression of learning across K-12 classrooms that supports and propels students' academic and personal growth in foundations of reading, writing, speaking, and listening. Research-based approaches and professional best practices frame our ways of teaching and engaging students in literacies. Teachers nurture students' development of skills and habits as lifelong readers, writers, and communicators, promoting literacies as meaningful and joyful, as well as essential to better understand one's self, others, and the world.

Required Coursework for English Language Arts	
9TH GRADE	10TH GRADE
LA 9 OR Advanced LA 9	LA 10 OR Advanced LA 10 AP English Language and Composition
11TH & 12TH GRADE	
Students must have a total of four semesters (2 years) from the courses listed below:	
<u>Year-Long Courses</u> U.S. Humanities and Composition World Humanities and Composition African American Humanities and Composition Perspectives in Literature and Composition AP English Language and Composition AP English Literature and Composition	<u>Semester-Long Courses</u> Composition I – Kirkwood Community College Composition II – Kirkwood Community College Public Speaking

Course	Credit	Length	Prerequisite	Schools Offering
Language Arts 9	1 credit per semester	2 semesters	None	J-K-W-CV-M
Description: This course is designed to help students reach grade-level, Iowa Core College and Career Readiness Standards in Reading/Literature, Reading/Informational Text, Writing, Speaking and Listening, and Language. Students will learn close analytic reading skills in literary and informative texts; how to write argument, informative/explanatory, and narrative texts; how to support opinions in speaking and writing with specific details drawn from sources; and will study the rules and craft of language. Attention will be given to acquisition of academic vocabulary as well as deepened understanding of both general vocabulary and vocabulary related specifically to the study of language arts. RAI, NCAA				
Advanced Language Arts 9	1 credit per semester	2 semesters	None	J-K-W-CV
Description: This course is designed to help students reach grade-level, Iowa Core College and Career Readiness Standards in Reading/Literature, Reading/Informational Text, Writing, Speaking and Listening, and Language. Students will learn close analytic reading skills in literary and informative texts; how to write argument, informative/explanatory, and narrative texts; how to support opinions in speaking and writing with specific details drawn from sources; and will study the rules and craft of language. Attention will be given to acquisition of academic vocabulary as well as deepened understanding of both general vocabulary and vocabulary related specifically to the study of language arts. Depth and rigor of content, along with a faster pace, distinguishes this course from Language Arts 9. RAI, NCAA				

Course	Credit	Length	Prerequisite	Schools Offering
Language Arts 10	1 credit per semester	2 semesters	Language Arts 9 or Advanced LA 9	J-K-W-CV
<p>Description: This course is designed to help students reach grade-level, Iowa Core College and Career Readiness Standards in Reading/Literature, Reading/Informational Text, Writing, Speaking and Listening, and Language. Students will learn close analytic reading skills in literary and informative texts; how to write argument, informative/explanatory, and narrative texts; how to support opinions in speaking and writing with specific details drawn from sources; and will study the rules and craft of language. Attention will be given to acquisition of academic vocabulary as well as deepened understanding of both general vocabulary and vocabulary related specifically to the study of language arts. RAI, NCAA</p>				
Advanced Language Arts 10	1 credit per semester	2 semesters	Language Arts 9 or Advanced LA 9	J-CV
<p>Description: This course is designed to help students reach grade-level, Iowa Core College and Career Readiness Standards in Reading/Literature, Reading/Informational Text, Writing, Speaking and Listening, and Language. Students will learn close analytic reading skills in literary and informative texts; how to write argument, informative/explanatory, and narrative texts; how to support opinions in speaking and writing with specific details drawn from sources; and will study the rules and craft of language. Attention will be given to acquisition of academic vocabulary as well as deepened understanding of both general vocabulary and vocabulary related specifically to the study of language arts. Depth and rigor of content, along with a faster pace, distinguishes this course from Language Arts 10. RAI, NCAA</p>				
US Humanities and Composition	1 credit per semester	2 semesters	LA 9 or Advanced LA 9 and LA 10 or Advanced LA 10	J-K-W-CV-M
<p>Description: This course is designed to help students reach grade-level, Iowa Core College and Career Readiness Standards in Reading/Literature, Reading/Informational Text, Writing, Speaking and Listening, and Language. Students will explore a variety of U.S. texts, such as literature, non-fiction, music, visual arts, dance, and media/film, texts that reflect a range of historical and contemporary times. Students will engage in writing, research, and speech to examine, connect, and respond to the texts. RAI, NCAA</p>				
World Humanities and Composition	1 credit per semester	2 semesters	LA 9 or Advanced LA 9 and LA 10 or Advanced LA 10	K-W-CV-M
<p>Description: This course is designed to help students reach grade-level, Iowa Core College and Career Readiness Standards in Reading/Literature, Reading/Informational Text, Writing, Speaking and Listening, and Language. Students will read, analyze and interpret art, music, architecture, and literature from a wide variety of world cultures and historical periods. Students will respond to these works in written compositions and oral presentations. Students will use various media resources for investigations, study, and communication of ideas. RAI, NCAA</p>				

Course	Credit	Length	Prerequisite	Schools Offering
African American Humanities and Composition	1 credit per semester	2 semesters*	LA 9 or Advanced LA 9 and LA 10 or Advanced LA 10 or teacher permission	J-K-W
<p>Description: This course explores African American literature and culture from the nation's founding up to the present, taking into account historical, cultural, socio-political and literary contexts. Students will critically examine literature, art, music, movies, podcasts, etc. while analyzing key terms, ideas, literary periods, constructions and representations of African-American identity and race, and the contributions of African-American writers to American literature and culture. Students will participate in discussions and use course texts to examine the lives and experiences of African Americans, and by extension, their own experiences as they gain knowledge. Students will think critically about the world around them as influenced by the experiences of African Americans. The course emphasizes writing for multiple purposes and incorporates skills such as supporting ideas with valid reasons and evidence, effectively organizing written pieces, and connecting ideas from multiple sources.</p> <p>* This course can be taken as a one semester elective in fall or spring, although it is designed to be a yearlong course. RAI, NCAA</p>				
Perspectives in Literature and Composition	1 credit per semester	2 semesters	LA 9 or Advanced LA 9 and LA 10 or Advanced LA 10	J-K-W-CV-M
<p>Description: This course is designed to help students reach grade-level, Iowa Core College and Career Readiness Standards in Reading/Literature, Reading/Informational Text, Writing, Speaking and Listening, and Language. Students in this class will study recurring themes in potentially controversial texts from the United States and around the world. Literary work, will, for the most part, be selected from texts published since 1950 and will include fiction and non-fiction, print and non-print sources. Students will demonstrate their knowledge through creative, expository and argumentative writing, formal and informal speaking, and the production of media texts. RAI, NCAA</p>				
AP English Language and Composition	1 credit per semester	2 semesters	LA 9 or Advanced LA 9	J-K-W
<p>Description: This college-level class prepares students for the Advanced Placement Exam in English Language and Composition. Students will study analytic and persuasive writings of various genres and time periods, as well as write original essays of analysis and argument. The course's focus is on the study of language and rhetoric, designed to help students reach grade level Iowa Core College and Career Readiness Standards in Reading/Literature, Reading/Informational Text, Writing, Speaking, Listening, and Language. RAI, NCAA, AP, W</p>				
AP English Literature and Composition	1 credit per semester	2 semesters	LA 9 or Advanced LA 9	J-K-W
<p>Description: This college-level class is designed to prepare students for the Advanced Placement Exam in English Literature and Composition. This rigorous course focuses on the close reading of literature selected for its social, literary, and historic value. Students will hone their thinking and writing skills by preparing essays of literary analysis, formal exposition, argument, and research. Students will participate in large and small group discussion, oratory, and dramatic performance. Text also will include film and live performances of literary works. This course is designed to help students reach grade-level, Iowa Core College and Career Readiness Standards in Reading/Literature, Reading/Informational Text, Writing, Speaking and Listening, and Language. RAI, NCAA, AP, W</p>				

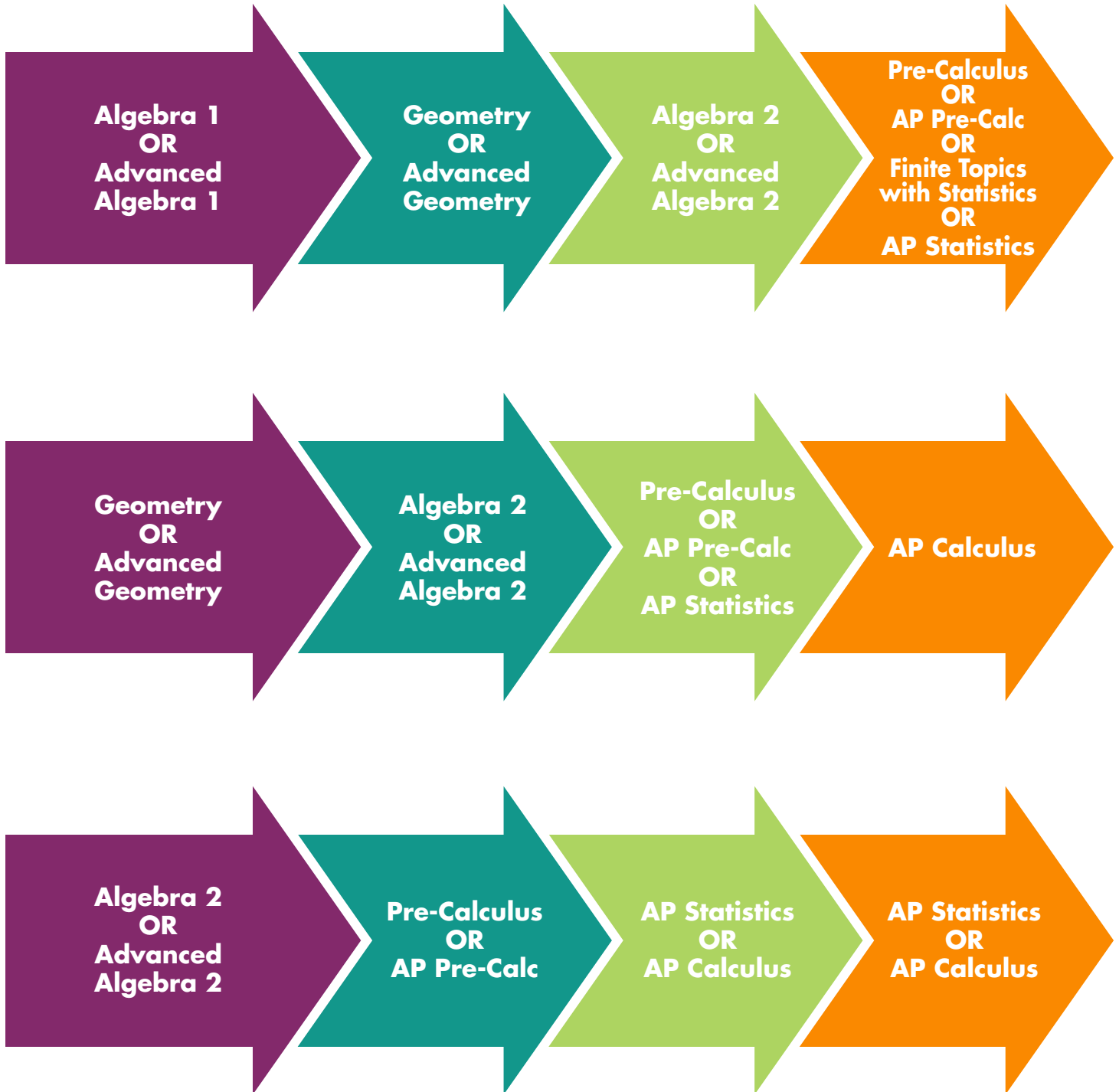
Course	Credit	Length	Prerequisite	Schools Offering
Composition 1	1 credit per semester of high school credit and 3 Kirkwood Community College credits	1 semester	Students must meet Senior Year Plus Eligibility Requirements and the Kirkwood entrance requirement. Open to Juniors and Seniors.	J-K-W
Description: This course develops students' expository writing experiences with emphasis on organization, supporting details, style, vocabulary, and library research. Students will be asked to engage in critical reading, writing, and thinking about texts and ideas, based on thorough analysis; experience writing processes that include invention, multiple drafts, workshopping, global revision, and editing; and develop practices to effectively and ethically integrate and document sources. RAI, W, CC				
Composition 2	1 credit per semester of high school credit and 3 Kirkwood Community College credits	1 semester	Composition 1	J-K-W
Description: Continuing the learning, Composition 2 focuses students on learning precise and responsible use of research tools. The course requires critical analysis of reading materials, audience, and self when communicating content material. Students will be asked to engage in reading, writing, and thinking to develop effective and ethical arguments. Writing processes will include multiple drafts, workshopping, global revision, and editing. RAI, W, CC				
Fundamentals of Oral Communication	1 credit per semester of high school credit and 3 Kirkwood Community College credits	1 semester	Open to Juniors and Seniors	W
Description: Studies basic communication theory and practice including communication process, interpersonal relationships, small group interaction and public speaking. RAI, W, CC				
Theatre Arts and Performance	1 credit per semester	1 semester (students can take this course more than once)	None	J-K-W-CV
Description: Students will study the artistry and history of performance through playscript analysis, design, and professional performances. Students will also develop acting and performance skills (including pantomime, improvisation, vocal work, character development and script interpretation) in order to vocally and physically interpret a dramatic text(s). This course culminates in a final product requiring students to memorize, develop, rehearse, and perform.				
Stagecraft and Design	1 credit per semester	1 semester (students can take this course more than once)	None	J-K-W
Description: Students interested in the technical aspects (theatre safety, lighting, sound, and set construction) of theatre will develop knowledge and skills vital to every stage production. Students will contribute to an actual production. Class time will be divided between classroom studies and backstage work in the theatre.				

Course	Credit	Length	Prerequisite	Schools Offering
Speech and Debate	1 credit per semester	1 semester	None	J-K-W-CV
Description: Students will develop and improve public speaking skills in a variety of speaking situations with an emphasis on composition, research, and persuasive speaking. Students will also develop and improve skills in debate and discussion and be expected to apply this knowledge. RAI, NCAA				
Public Speaking	1 credit per semester	1 semester	None	K-W-M-CV
Description: This course studies the fundamentals of public speaking, emphasizing the process of speech preparation and delivery. Students will examine different forms of public speaking, both formal and informal, and will also focus on different speeches required in various career fields. Students will successfully complete at least 3 formal speeches, one of which must be research-based, and one will be a persuasive speech. CC				
Creative Writing	1 credit per semester	1 semester (students can take this course more than once)	None	J-K-W-CV-M
Description: This course will help students develop and refine their writing skills across various genres, such as poetry, short stories, and essays, along with enhancing their understanding of literary elements and techniques. The course emphasizes the writing process, encouraging students to draft, revise, and polish their work, fostering creativity and individual style. RAI, NCAA				
Introduction to Media - Journalism	1 credit per semester	1 semester	None	J-K-W-CV
Description: This course prepares students for participation in the school yearbook or school news media. Students will learn to interview, report, write, and produce story types (e.g.: news, sports, opinion, features). Students will create story visuals such as infographics and photography, and learn to use digital technologies and social media as tools for research and design. Coursework provides an understanding of the media responsibilities and role in society. RAI				
Student News Media - Journalism	1 credit per semester	1 semester (students can take this course more than once)	Introduction to Media or advisor approval	J-K-W-CV
Description: Students collaboratively plan, produce, lead and distribute school media for the timely and relevant coverage of events, people, and issues. Media coverage (news, sports, features, opinion etc.) will be produced in print and multimedia forms. Students use writing, photography, design, social media, and audio/broadcast formats. This product-based learning environment affords student creativity, critical thinking, and teamwork experiences. Students build skills through writing, reporting, design, visual storytelling, and digital productions.				
Broadcast Journalism	1 credit per semester	1 semester (students can take this course more than once)	Introduction to Media or advisor approval	K
Description: This course explores the world of digital video and television production. Students learn on professional equipment in a modern digital TV studio. They also gain experience with industry standard video editing software. Students work in collaborative teams to produce projects using cameras, while learning the basics of studio and field production, lighting and sound. Special emphasis is placed on research, creativity and the writing process.				
Student Yearbook	1 credit per semester	1 semester (students can take this course more than once)	Introduction to Media or advisor approval	J-K-W-CV
Description: Students lead, plan, and produce the school yearbook. Student editors organize and lead the staff to outline and create their yearbook plan, including coverage of a variety of school and community events. The staff ends its work with the distribution of the yearbook to the school audience. Staff members use digital software to capture the school year with writing, reporting, photography, and design.				

Mathematics

Mathematics in Cedar Rapids Community School District empowers learners to be future ready. Math presides in a culture of equity where each and every student has access to high-quality curriculum and instruction empowered by the opportunities to collaborate, communicate and showcase their understanding of mathematical content in diverse ways.

Course Sequence Examples



Course	Credit	Length	Prerequisite	Schools Offering
Algebra 1	1 credit per semester	2 semesters	None	J-K-W-CV-M
Description: The concepts and skills built in first year algebra lay the firm foundation for future math courses and careers. First year algebra develops linear and quadratic functions numerically, symbolically, and graphically. Fundamental algebra skills as well as problem-solving capabilities are developed, applied, and emphasized throughout in real-world contexts. The course integrates technology, connects algebra to geometry, and explores data analysis. RAI, NCAA				
Advanced Algebra 1	1 credit per semester	2 semesters	None	J-K-W-CV
Description: The concepts and skills built in first year algebra lay the firm foundation for future math courses and careers. First year algebra develops linear and quadratic functions numerically, symbolically, and graphically. Fundamental algebra skills as well as problem-solving capabilities are developed, applied, and emphasized throughout in real-world contexts. The course integrates technology, connects algebra to geometry, and explores data analysis. Depth and rigor of content, along with a faster pace, distinguish this course from Algebra 1. RAI, NCAA				
Geometry	1 credit per semester	2 semesters	Algebra 1 or Advanced Algebra 1	J-K-W-CV
Description: Geometry develops inductive and deductive reasoning skills along with analytical and visual thinking. It furthers the understanding of geometric relationships and applies these relationships to real-world situations. Definitions, properties, and relationships for lines, angles, polygons, circles, transformations, measurement, basic trigonometry, and similarity are developed through problem-solving, constructions, and investigations. Coordinate geometry, algebra skills, and informal proofs are emphasized throughout. RAI, NCAA				
Advanced Geometry	1 credit per semester	2 semesters	Algebra 1 or Advanced Algebra 1	J-K-W-CV
Description: Geometry develops inductive and deductive reasoning skills along with analytical and visual thinking. It furthers the understanding of Euclidean geometric relationships and applies these relationships to real world situations. Definitions, properties, and relationships for lines, angles, polygons, circles, transformations, measurement, basic trigonometry, and similarity are developed through problem-solving, constructions, and investigations. Coordinate geometry, algebra skills, informal and formal proofs are emphasized throughout. Depth and rigor of content, along with a faster pace, distinguish this course from Geometry. RAI, NCAA				
Algebra 2	1 credit per semester	2 semesters	Algebra 1, Advanced Algebra 1	J-K-W-CV-M
Description: Second year Algebra continues to use real-world contexts to develop function relationships with emphasis on quadratic, exponential, logarithmic, polynomial, and radical functions. Geometric and algebraic concepts are extended to topics in trigonometry, probability, statistics, and discrete mathematics including the study of sequences and series, and complex numbers. RAI, NCAA				
Advanced Algebra 2	1 credit per semester	2 semesters	Algebra 1 or Advanced Algebra	J-K-W-CV
Description: Advanced Algebra 2 continues to use real-world contexts to develop function relationships with emphasis on quadratic, exponential, logarithmic, polynomial, and radical functions. Geometric and algebraic concepts are extended to topics in probability, statistics, and discrete mathematics including the study of sequences and series, conics, and complex numbers. Depth and rigor with the content, along with a faster pace, distinguish this course from Algebra 2. RAI, NCAA				
Pre-Calculus	1 credit per semester	2 semesters	Algebra 2 or Advanced Algebra 2	J-K-W-CV
Description: This course focuses on the major ideas of mathematics needed for calculus including an in- depth treatment of the fundamentals of trigonometry, an in-depth treatment of elementary functions, and an introduction to the calculus topics of limit, continuity, and derivative. The course's inclusion of real-world data allows for enhanced focus on statistical thinking as well as on applications, critical thinking, and the meaningful use of technology. RAI, NCAA				

Course	Credit	Length	Prerequisite	Schools Offering
AP Pre-Calculus	1 credit per semester	2 semesters	Algebra 2 or Advanced Algebra 2	J-K-W
<p>Description: AP Pre-calculus is designed to be the equivalent of a first semester college pre-calculus course. It will provide students with an understanding of the concepts of college algebra, trigonometry, and additional topics that prepare students for further college level mathematics courses. This course explores a variety of functional types and their applications - polynomial, rational, exponential, logarithmic, polar, parametric, vector-valued, implicitly, defined, and an linear transformation functions using matrices. RAI, AP, W</p>				
Applied Math	1 credit per semester	1 semester	Algebra 2 or Advanced Algebra 2	J
<p>Description: This course focuses on applying mathematical concepts and models to solve real-world problems in business, applied sciences, engineering, and technology. Throughout the course, students gain experience with non-routine problems they may encounter in everyday life. CC, W</p>				
Survey of Data	1 credit per semester	1 semester	Applied Math or ACT Math 19+ or Aleks score of 30% or higher	J-M
<p>Description: This semester long course introduces algebraic and statistical content intended to prepare students for a college-level statistics or liberal arts math course. Includes sampling methods, graphical, tabular, and numerical summaries of data, scatterplots and linear associations, linear models and slope, functions, and working with formulas. CC, W</p>				
Finite Topics with Statistics	1 credit per semester	2 semesters	Algebra 2 or Advanced Algebra 2	J-K-W-CV
<p>Description: This course is designed for college bound students, especially those planning to major in science, social sciences, or business. The course provides an introduction to the mathematics and logic used in scientific research. It includes data organization and statistical reasoning with emphasis on concepts and uses of statistics. Topics include the mathematics of finance, management science, path analysis, symmetry, apportionment, fair division, quality control, and descriptive and inferential statistics. RAI, NCAA</p>				
AP Statistics	1 credit per semester	2 semesters	Alg 2 or Adv Alg 2	J-K-W-CV
<p>Description: This college-level class is designed to prepare students for the Advanced Placement Exam in Statistics. AP Statistics introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. The course consists of a year of work in statistics that is comparable to a one-semester introductory college statistics course. Students are exposed to four broad conceptual themes: 1. Exploring Data: Observing patterns and departures from data. 2. Planning a Study: Deciding what and how to measure. 3. Anticipating Patterns: Producing models using probability and simulation. 4. Statistical inference: Confirming models. RAI, NCAA, AP, W</p>				
AP Calculus AB	1 credit per semester	2 semesters	Pre-calculus, Advanced Pre-calculus, or AP Pre-calculus	J-K-W
<p>Description: This college-level class is designed to prepare students for the Advanced Placement Exam in Calculus. The AP (Calculus) course consists of a full year of work in calculus that is comparable to the first semester course in most colleges and universities. Topics covered include concepts and applications of functions, derivatives and antiderivatives, techniques of integration, and the definite integral. The AP Calculus course prepares students for advanced placement testing and possible college credits in mathematics. Students, at their own discretion, may elect to take examinations in mathematics administered by the AP Program of the College Entrance Examination RAI, NCAA, AP, W</p>				

Course	Credit	Length	Prerequisite	Schools Offering
AP Calculus BC	1 credit per semester	2 semesters	Pre-calculus, Advanced Pre-calculus, or AP Pre-calculus	K
<p>Description: This college-level class is designed to prepare students for the Advanced Placement Exam in Calculus. The AP (Calculus) course consists of a full year of work in calculus that is comparable to the first and second semester courses in most colleges and universities. Topics covered include concepts and applications of functions, derivatives and antiderivatives, techniques of integration, and the definite integral, convergence tests, polynomial approximations and series, and Taylor series. The AP Calculus course prepares students for advanced placement testing and possible college credits in mathematics. Students, at their own discretion, may elect to take examinations in mathematics administered by the AP Program of the College Entrance Examination Board. RAI, NCAA, AP, W</p>				
Financial Literacy Math	1 credit per semester	2 semesters	None	J-K-W-M
<p>Description: This course is designed to prepare students for navigating the financial realities of life after high school. Topics are introduction to personal finance, saving, budgeting, debt, life after high school, consumer awareness, shopping, investing and retirement, insurance, money and relationships, careers, taxes, cooking as it relates to consumer costs, and home-improvement costs. Within this course, students will be solving algebraic equations, calculating with real-life percents, predicting future-money situations with exponential growth models, and comparing situations with proportions.</p>				
Algebra Lab	1 credit per semester	2 semesters	concurrent enrollment in Algebra 1	W
<p>Description: The Algebra Lab course is taken in conjunction with Algebra 1. The course is designed to reinforce concepts and skills that students have experienced in Algebra 1. Students will be given additional support through direct instruction and activities to help build proficiency. They will be offered opportunities to experience concepts prior to instruction in Algebra 1 to build confidence and understanding. The course will also focus on building number sense and mathematical awareness. This will be accomplished through rich mathematical discussions and components of blended learning.</p>				
Geometry Lab	1 credit per semester	2 semesters	concurrent enrollment in Geometry	W
<p>Description: The Geometry Lab course is taken in conjunction with Geometry. The course is designed to reinforce concepts and skills that students have experienced in Geometry. Students will be given additional support through direct instruction and activities to help build proficiency. They will be offered opportunities to experience concepts prior to instruction in Geometry to build confidence and understanding. The course will also focus on building number sense and mathematical awareness. This will be accomplished through rich mathematical discussions and components of blended learning.</p>				

Science

Science in Cedar Rapids Community School District empowers students to continue to learn in the future by asking questions about the world around them or identifying problems, seeking knowledge and thinking critically to develop and communicate evidence-based explanations or solutions.

Six science credits are required for graduation. Students must complete coursework in life science and physical sciences. Iowa's state requirements for earth and space science standards will be integrated into life and physical science courses. If a student is considering a four-year college or university, eight credits, or four years, of science is recommended.

Required Coursework for Science	
Life Science Requirements	
Biology OR Advanced Biology	
Physical Science Requirements <i>(Students must choose at least one Chemistry course AND one Physics course)</i>	
<u>Chemistry</u> Concepts in Chemistry Chemistry Advanced Chemistry	<u>Physics</u> Concepts in Physics Physics AP Physics 1
Science Electives	
<ul style="list-style-type: none"> • AP Environmental Science • AP Biology • Astronomy • Botany • Earth Systems • Medical Terminology 	<ul style="list-style-type: none"> • Anatomy and Physiology • Forensic Science • Forensic Science 2 • AP Chemistry • AP Physics C • AP Physics 2

Course	Credit	Length	Prerequisite	Schools Offering
Biology	1 credit per semester	2 semesters	None	J-K-W-CV-M
<p>Description: This course meets the life science requirement for graduation. Advanced Biology may be taken in place of this course. Students will learn and apply basic principles of biology in this year-long course that addresses the life science Iowa Core requirements. Additionally, earth science requirements are integrated. Emphasis will be given to the study of cells, genetics, heredity, evolution, and ecology. Throughout the course students will develop their ability to practice scientific inquiry - asking questions, hypothesizing, designing experiments, analyzing data, reaching evidence-based conclusions, and communicating results. RAI, NCAA</p> <p><i>This course is required for graduation</i></p>				
Advanced Biology	1 credit per semester	2 semesters	None	J-K-W
<p>Description: Students will learn and apply basic principles of biology in this year-long course. This course can be taken in place of Biology to fulfill the life science graduation requirement. The depth and rigor of this course distinguish it from the regular Biology course. Emphasis will be given to the study of cells, genetics, heredity, evolution, and ecology. Throughout the course, students will develop their ability to practice scientific inquiry- asking questions, hypothesizing, designing experiments, analyzing data, reaching evidence-based conclusions, and communicating results. Students will design and conduct their own investigations throughout the course and will be engaged in complex scientific reading, writing, and discussion with intellectual peers. Additionally, earth science requirements are integrated into the course. RAI, NCAA</p>				
Physical Science: Concepts in Chemistry	1 credit	1 semester	Algebra 1	J-K-W-CV-M
<p>Description: This course meets the physical science requirement in chemistry for graduation. Chemistry or Advanced Chemistry may be taken in place of this course. This semester-long course will include: atomic structure, nuclear chemistry, periodic table patterns, chemical reactions, and thermochemistry. RAI, NCAA</p> <p><i>A Chemistry course, Concepts in Chemistry, Chemistry, or Advanced Chemistry, is needed to meet the physical science requirement for graduation.</i></p>				
Chemistry	1 credit per semester	2 semesters	Algebra 1	J-K-W-CV
<p>Description: This year-long course meets the physical science requirement in chemistry for graduation. The course is designed to introduce the basic concepts in particulate nature and chemical interactions. Recommended for students interested in science, health sciences, and engineering. RAI, NCAA</p> <p><i>A combination of Chemistry, Physics, Concepts in Chemistry, and Concepts in Physics is required for graduation.</i></p>				
Advanced Chemistry	1 credit per semester	2 semesters	Algebra 1	J-K-W
<p>Description: This year-long course meets the physical science requirement in chemistry for graduation. The course is designed to introduce the basic concepts in particulate nature and chemical interactions. Recommended for students interested in science, health sciences, and engineering. Depth and rigor distinguish this course from the regular Chemistry course. RAI, NCAA</p> <p><i>A combination of Chemistry, Physics, Concepts in Chemistry, and Concepts in Physics is required for graduation.</i></p>				

Course	Credit	Length	Prerequisite	Schools Offering
Physics	1 credit per semester	2 semesters	Algebra 1 and current enrollment in Algebra 2	J-K-W-CV
<p>Description: This course meets the physical science requirement in physics for graduation. Physics, Unified Physics, Advanced Physics, or AP Physics may be taken in place of this course. This year-long course will address physics-related physical science concepts, including energy, motion, gravity, light, waves, and electromagnetism. Additionally, earth and space science requirements are integrated. Scientific inquiry will be emphasized in this laboratory science course. RAI, NCAA</p> <p><i>A combination of Chemistry, Physics, Concepts in Chemistry, and Concepts in Physics is required for graduation.</i></p>				
Physical Science: Concepts in Physics	1 credit	1 semester	Algebra 1	J-K-W-CV-M
<p>Description: This course meets the physical science requirement in physics for graduation. Physics, Unified Physics, Advanced Physics, or AP Physics may be taken in place of this course. This year-long course will address physics-related physical science Iowa Core requirements, including: energy, motion, gravity, light, waves, and electromagnetism. Scientific inquiry will be emphasized in this laboratory science course. RAI, NCAA</p> <p><i>A combination of Chemistry, Physics, Concepts in Chemistry, and Concepts in Physics is required for graduation.</i></p>				
AP Chemistry	1 credit per semester	2 semesters	Chemistry and current enrollment in Algebra 2	J-K-W
<p>Description: This college-level, yearlong course is designed to prepare students for the Advanced Placement Exam in Chemistry. The AP Chemistry course is designed to be taken only after the successful completion of a first course in high school chemistry and second-year algebra. Study will focus on the following six big ideas: atoms & elements, structure & properties of matter, chemical reactions, kinetics, thermodynamics and equilibrium. Through inquiry-based learning students develop critical thinking and reasoning skills. Recommended for students enrolling in college chemistry and students interested in careers in science, medicine and engineering. RAI, NCAA, AP, W</p>				
Astronomy	1 credit per semester	1 semester	Biology & Algebra 1	J-K-W-M
<p>Description: This course gives students an introduction to the study of the universe, from its origins to current discoveries. Students explore cosmology, planetary motion, the Sun-Earth-Moon system, space exploration history, and observational astronomy techniques. They examine the Sun, planets, stars, and galaxies, learning about their structures, behaviors, and life cycles, as well as how astronomers measure and analyze celestial objects.</p>				
AP Environmental Science	1 credit per semester	2 semesters	Biology or Advanced Biology	J-K-W
<p>Description: This college-level, yearlong course is designed to prepare students for the Advanced Placement Exam in Environmental Science. AP Environmental Science provides an opportunity for students to develop skills, both laboratory and field related, in the environmental sciences as well as acquire the scientific background to current ecological problems. Recommended for students who want to pursue a rigorous course covering environmental topics such as ecology, population, pollution, energy, resources, and global change. RAI, NCAA, AP, W</p>				
Earth Systems	2 credits per semester	2 semesters	Biology or Advanced Biology	K-W-M
<p>Description: This course explores Earth as a dynamic, interconnected system through the study of its four major spheres—geosphere, hydrosphere, atmosphere, and biosphere. Students will investigate geological processes, climate systems, and human impacts while applying scientific inquiry to explain environmental change, predict natural phenomena, and sustainability challenges. Students will explore rock and mineral formation, weather patterns, energy and matter cycles, and Earth within the solar system and universe. They will also analyzing the consequences of human activities on Earth's systems and developing strategies for environmental stability.</p>				

Course	Credit	Length	Prerequisite	Schools Offering
Anatomy & Physiology	1 credit per semester	2 semesters	Biology or Advanced Biology and current enrollment in Chemistry	J-K-W
Description: Anatomy & Physiology is an elective course and will include a yearlong program of intense human anatomy and physiology studies. The areas covered will include medical terminology, basic chemistry, cell and tissue structure, and the 11 systems of the human body (integumentary, skeletal, muscular, nervous, endocrine, circulatory, lymphatic, digestive, respiratory, urinary and reproductive). Laboratory work will be required. This course is designed for college preparation, especially for biology and health career majors. RAI, NCAA, CC				
Botany	1 credit per semester	1 semester	None	K-M
Description: Botany is a semester-long elective designed to study plant structure, function and propagation. Students will learn to grow and care for a variety of plants. Outdoor work is required. Landscaping and gardening techniques will be examined. Recommended for students interested in careers in agri-science and natural resources. RAI, NCAA				
AP Biology	1 credit per semester	2 semesters	Biology or Advanced Biology. A chemistry course is also recommended.	J-K-W
Description: AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes – energy and communication, genetics, information transfer, ecology, and interactions. RAI, NCAA, AP, W				
Medical Terminology	1 credit per semester	1 semesters	Biology or Advanced Biology.	W
Description: This course provides a comprehensive introduction to the language of medicine. Students learn to analyze and understand medical terms by breaking them into word parts and relating them to body structure, function, and disease. Topics include terminology for diseases and disorders, diagnostic tests, clinical procedures, and drug use within the body. CC, W				
Forensic Science 1	1 credit per semester	1 semester	Biology	J-K-W-CV-M
Description: Forensic Science is the application of science (chemistry, physics, and biology) to the criminal and civil laws that are enforced by police agencies in a criminal justice system. It includes the investigation of fingerprinting, fiber analysis, arson, trace evidence analysis, blood spatters, blood samples, death, and DNA. Students are taught the proper collection, preservation, and laboratory analysis of various samples. This course could serve as a strong foundation for students interested in pursuing careers in sciences, medicine, engineering, or law enforcement. RAI, NCAA				
Forensic Science 2	1 credit per semester	1 semester	Biology and Forensic Science 1	K-W-CV-M
Description: Forensic Science 2 is the application of science (chemistry, biology, and physics) to the criminal and civil laws enforced by police agencies in the criminal justice system. This course explores more specialized fields in forensic science. Topics include toxicology, digital evidence, forensic psychology, ballistics, document analysis, and various impression evidence. This course could serve as a strong foundation for students interested in pursuing careers in sciences, medicine, engineering, or law enforcement. RAI, NCAA				

Course	Credit	Length	Prerequisite	Schools Offering
AP Physics 1	1 credit per semester	2 semesters	Consent of instructor or Algebra 2. Concurrent enrollment in Pre-Calculus recommended.	J-K-W
<p>Description: AP Physics 1 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of physics by developing models of physical phenomena through inquiry-based investigations. Students build their understanding of physical models as they explore and solve problems in these content areas: Kinematics; Forces and Translational Dynamics; Work, Energy, and Power; Linear Momentum; Torque and Rotational Dynamics; Energy and Momentum of Rotating Systems; Oscillations; and Fluids. RAI, NCAA, AP, W</p>				
AP Physics 2	1 credit per semester	2 semesters	Completion of AP Physics I or Physics with instructor permission, and completion or concurrent enrollment in Pre-Calculus or AP Pre-Calculus	J-K-W
<p>Description: This college level course is designed to prepare students for the AP Physics 2 Exam. Students will learn about thermodynamics, electricity and magnetism, and quantum, atomic, and nuclear physics. While learning about the key course concepts, students engage in hands-on laboratory work to investigate specific phenomena, including how the interactions of microscopic particles cause observable phenomena like static electricity, thermodynamic processes, nuclear reactions, and atomic emission lines. RAI, NCAA, AP, W</p>				
AP Physics C - Mechanics AP Physics C - Electricity & Magnetism	1 credit per semester	2 semesters	Concurrent enrollment in AP Calculus required. Completion of Physics or AP Physics 1 recommended	J
<p>Description: This college-level, yearlong course is designed to prepare students for the Advanced Placement Exam in Physics. This class is designed for students who plan on attending college and majoring in the following fields: engineering, astronomy, chemistry, or computer science. The difficulty level is designed to be at least that found on most college campuses. This sequence is more intensive and analytical than that of AP Physics 1. Strong emphasis is placed on solving a variety of problems, some requiring calculus. The content and difficulty level should prepare a student to successfully complete the mechanics and electricity and magnetism portions of the AP Physics "C" exam. This is a college level course, so a strong work ethic is helpful. This year-long course can replace the Physical Science 2 (semester course) graduation requirement. RAI, NCAA, AP, W</p>				

Social Studies

Social Studies in Cedar Rapids Community School District is the integrated study of the social sciences and humanities to promote civic competence. Social Studies courses embed the development of critical thinking, effective citizenship, and essential communication skills into the development of historical reasoning skills, as well as geographic and economic literacy to prepare students for college, career, and civic life. (National Council for Social Studies, 2010 & 2013)

Six Social Studies credits are required for graduation. Students must take coursework in United States History, World History, American Government, and Economics. If a student is planning to attend a four-year college or university, four years of Social Studies is recommended.

Required Coursework for Social Studies	
9th Grade	10th OR 11th Grade
World History OR AP World History OR AP Human Geography	US History OR AP US History OR a Concurrent Credit US History Course
Students must select one American Government course AND one Economics course. (These courses are typically taken during 11th or 12th grade.)	
<u>American Government</u> American Government (semester-long) AP United States Government (year-long) AP Comparative Government & Politics (year-long)	<u>Economics</u> Economics (semester-long) AP Microeconomics (semester-long) AP Macroeconomics (semester-long)
Social Studies Electives	
<ul style="list-style-type: none"> • Psychology • Social Psychology • African American History • AP Comparative Government & Politics • AP World History* • AP European History* • Human Geography • AP Human Geography* <p>*These courses will meet World History requirements.</p>	<ul style="list-style-type: none"> • Current World Issues • Philosophy • Contemporary Policy Issues <p><i>Offered to 10th-12th Grades Only:</i></p> <ul style="list-style-type: none"> • AP Psychology • Introduction to Psychology • AP African American History

Course	Credit	Length	Prerequisite	Schools Offering
World History	1 credit per semester	2 semesters	None	J-K-W-CV-M
<p>Description: This course is required for graduation. AP World History or AP Human Geography may be taken in place of this course. This course traces the development of the economic, political, social, and intellectual traditions of the world's major cultures, with a focus on the modern era. It concludes with an investigation of contemporary international issues. The course emphasizes the development of critical learning and thinking skills. Students in this course will develop their abilities to analyze continuities, changes, causation, and evaluate context throughout world history study. Students will also examine diverse perspectives and evaluate historical sources of information. RAI, NCAA</p>				
AP World History	1 credit per semester	2 semesters	None Fulfills the World History requirement	J-K-W
<p>Description: This college-level class is designed to prepare students for the Advanced Placement Exam in World History. This course surveys the history of the world from 1200 C.E. to present via a focus on analyzing historical sources of information, constructing historical arguments, and developing historical thinking. Taught through major themes of interaction, change and continuity, technology, and social structures, the course examines civilizations across the globe. This course prepares students for advanced placement testing and possible college credit by emphasizing the refinement of thinking and writing skills. The series must be taken in sequence for maximum benefit. RAI, NCAA, AP, W</p>				
AP African American Studies	1 credit per semester	2 semesters	None Fulfills the World History requirement	K
<p>Description: AP African American Studies is an interdisciplinary course that examines the diversity of African American experiences through direct encounters with varied sources. Students explore key topics that extend from early African kingdoms to the ongoing challenges and achievements of the contemporary moment. Given the interdisciplinary character of African American Studies, students in the course will develop skills across multiple fields, with an emphasis on developing historical, literary, visual, and data analysis skills. This course foregrounds a study of the diversity of Black communities in the United States within the broader context of Africa and the African diaspora. RAI, NCAA, AP, W</p>				
AP European History	1 credit per semester	2 semesters	None Fulfills the World History requirement	K-W
<p>Description: This college-level class is designed to prepare students for the Advanced Placement Exam in European History. This course surveys the history of the world, beginning with a survey of ancient and medieval civilizations via a focus on analyzing historical sources of information, constructing historical arguments, and developing historical thinking. The emphasis of the course is on the modern world (1300- present) and the impact Western European civilization has had on contemporary affairs. The course prepares students for advanced placement testing and possible college credit in European history by emphasizing the refinement of thinking and writing skills. RAI, NCAA, AP, W</p>				
United States History	1 credit per semester	2 semesters	None	J-K-W-CV-M
<p>Description: This course is required for graduation. AP United States History may be taken in place of this course. This course surveys United States history from 1900-present via a focus on inquiry and historical thinking skills embedded in the Iowa Core Social Studies Standards. It places emphasis on the evolution of political, social, and economic institutions. Additionally, the course examines diverse communities of people in American society in the context of a multicultural environment. This course emphasizes the development of critical learning and thinking skills. RAI, NCAA</p>				

Course	Credit	Length	Prerequisite	Schools Offering
AP United States History	1 credit per semester	2 semesters	None	K-W
<p>Description: This college-level course is designed to prepare students for the Advanced Placement Exam in U.S. History. AP United States History is a survey of the history of the United States from 1492 to the present via a focus on analyzing historical sources of information, constructing historical arguments, and developing historical thinking. This course prepares students for advanced placement testing and possible college credit by emphasizing the refinement of thinking and writing skills by weighing the evidence and interpretations presented in historical scholarship. RAI, NCAA</p>				
United States History to 1877	1 credit per semester of high school credit and three Kirkwood	1 semester	Must meet Senior Year Plus requirements.	J-W
<p>Description: 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. This course can fulfill the US History graduation requirement. RAI, NCAA, CC</p>				
United States History Since 1877	1 credit per semester of high school credit and three Kirkwood	1 semester	Open to Juniors and Seniors and must meet Senior Year Plus requirements.	J-W
<p>Description: Studies the period from reconstruction to the present. Emphasis is upon industrialization and its impact; the development of a strong federal government; an aggressive foreign policy; and a growing involvement in an international economy. RAI, NCAA, CC</p>				
Economics	1 credit per semester	1 semester	None	J-K-W-CV-M
<p>Description: This course is required for graduation. AP Microeconomics or AP Macroeconomics may be taken in place of this course. The basic economic questions regarding what to produce, how to produce, and for whom to produce in a world of limited resources are the focus of this course, including applications to the business community. Microeconomic concepts are addressed such as demand, supply, market clearing price, as well as skills for effective participation in the marketplace. Macroeconomic concepts such as the measurement of economic goals and the effects of monetary and fiscal policy are also addressed. In accordance with Iowa Code, students also develop financial literacy that meets graduation requirements via examination of several concepts related to personal finance. RAI, NCAA</p>				
AP Microeconomics	1 credit per semester	1 semester	None	K-W
<p>Description: This college-level class is designed to prepare students for the Advanced Placement Exam in Microeconomics. This course studies the principles that apply to the functions of individual decision-makers, both consumers and producers, within a mixed market. It places primary emphasis on the nature and functions of product markets, and includes the study of factor markets and of the role of government in promoting greater efficiency and equity in the economy. In accordance with Iowa Code, students also develop financial literacy that meets graduation requirements via examination of several concepts related to personal finance. This course does not replace the American Government graduation requirement. This course does satisfy the graduation requirement for Economics. RAI, NCAA, AP, W</p>				

Course	Credit	Length	Prerequisite	Schools Offering
AP Macroeconomics	1 credit per semester	1 semester	None	K-W
<p>Description: This college-level class is designed to prepare students for the Advanced Placement Exam in Macroeconomics. This course studies the principles of economics that apply to the economic system as a whole. It places emphasis on the study of national income and price determination, and also develops the concepts of economic performance measures, economic growth, and international economics. This course does not replace the American Government graduation requirement. This course does satisfy the graduation requirement for Economics. In accordance with Iowa Code, students also develop financial literacy that meets graduation requirements via examination of several concepts related to personal finance. RAI, NCAA, AP, W</p>				
American Government	1 credit per semester	1 semester	None	J-K-W-CV-M
<p>Description: This course presents a study of the structure and function of American government as established by the Constitution. The emphasis of this course is on the knowledge and behaviors necessary for effective citizenship within our community, state, nation, and world. RAI, NCAA</p>				
AP United States Government & Politics	1 credit per semester	2 semesters	None	K-W
<p>Description: This college-level class is designed to prepare students for the Advanced Placement Exam in U.S. Government and Politics. This course provides students with a comprehensive and critical perspective on the development of Constitutional government in the United States. Students will examine, in detail, the government established by the Constitution, with particular emphasis on the separation of powers and federalism. Students will also work extensively with ideological and philosophical traditions from which the framers drew inspiration and the historical setting which influenced their work. Both semesters of this course are required to satisfy the graduation requirement for Government. RAI, NCAA, AP, W</p>				
AP Comparative Government & Politics	1 credit per semester	2 semesters	None	K-W
<p>Description: This college-level class is designed to prepare students for the Advanced Placement Exam in Comparative Government and Politics. This course is designed to provide students with an understanding of the world's diverse political structures and practices. Six governments are studied as examples of different political systems in an effort to analyze typical patterns of political processes and behavior and their consequences and to compare and contrast political institutions and processes across countries. A developing nation is also included as students learn about the political implications of different levels of economic development. Both semesters of this course are required to satisfy the graduation requirement for Government. RAI, NCAA, AP, W</p>				
Philosophy	1 credit per semester	1 semester	None	K-CV
<p>Description: This course is a survey of the major topics of the discipline; logic, metaphysics, reality, ethics, religion, and the purpose of life. RAI, NCAA</p>				

Course	Credit	Length	Prerequisite	Schools Offering
AP Psychology	1 credit per semester	2 semesters	None	K-W
<p>Description: This college-level class is designed to prepare students for the Advanced Placement Exam in Psychology. Throughout this course, students engage in the systematic and scientific study of behavior and mental processes. Students must interrelate different content areas to analyze and evaluate psychological constructs, and more generally, theoretical perspectives. Students are expected to use their analytical and organizational skills in written essays. Offered to 10th-12th grades only. RAI, NCAA, AP, W</p>				
Introduction to Psychology	1 credit per semester	1 semester	Open to 10-12th grades and must meet Senior Year Plus requirements.	J
<p>Description: 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. Encourages critical thinking about research methods and ethics. RAI, NCAA, W, CC</p>				
Psychology	1 credit per semester	1 semester	None	J-K-W-CV
<p>Description: This course explores the behavioral science of Psychology. The emphasis of this course is on the diversity of factors influencing the motivation, development, structure, and behavior of human personalities. Students will also explore data, theories, methodologies, ethics, and standards of psychological research. RAI, NCAA</p>				
Social Psychology	1 credit per semester	1 semester	None	J-K-W-CV
<p>Description: This course explores topics in the behavioral sciences of Sociology and Psychology. This emphasis of this course is on the ways in which human beings interact with the values, beliefs, norms, and institutions of a society. The manner in which individuals are socialized into a society is also explored alongside a selection of topics that may include racism, prejudice, alienation, conformity, and the dynamics of social behavior. RAI, NCAA</p>				

Course	Credit	Length	Prerequisite	Schools Offering
Current World Issues	1 credit per semester	1 semester	None	J-K-CV
<p>Description: This course will apply the disciplinary lenses of Social Studies (including historical, economic, geographic, political science, and behavioral sciences) to analyze current global issues. Students will acquire a realistic perspective on issues and consider the relationship between self, national, and global interests, as well as the connections between themselves and people elsewhere in the world. Students will explore causation, context, and plan to take informed action to address global issues.</p>				
AP Human Geography	1 credit per semester	2 semesters	None Fulfills the World History requirement	J-K-W
<p>Description: This college-level course is designed to prepare students for the Advanced Placement Exam in Human Geography. Systematic study of patterns and processes that have shaped human understanding through use and alteration of the Earth's surface. Students employ spatial concepts and landscape analysis to analyze social organization and its environmental consequences. The course involves the study of urban, economic, political, and demographic geography. The course outline is consistent with the College Board's Advanced Placement Human Geography program. RAI, NCAA, AP, W</p>				
Human Geography	1 credit per semester	1 semester	None	J-W
<p>Description: Human geography focuses on understanding the physical and cultural features of places and their natural settings on earth. The emphasis of this course is partly on understanding the basic geographic topics of topography, climate, resources, population, and political division. Topics in human geography including how humans understand, use, and alter the earth's surface are also addressed. This course provides a forum for studying, observing, reporting, researching, predicting, and managing issues of an interdependent world. RAI</p>				
African American History	1 credit per semester	1 semester	None	J-K-W-CV
<p>Description: This semester-length course explores African American history from the era of the nation's founding up to the present. Students will critically examine primary and secondary sources of information related to African American experiences. Using lenses of causation, continuities and changes over time, and the consideration of diverse perspectives, students will contextualize African American history. Students will draw connections between past events and contemporary issues in order to generate a focus on taking informed action to address problems, advocate for public policies, and influence mindsets. RAI</p>				
Contemporary Policy Issues	1 credit per semester	1 semester	None	W
<p>Description: This course focuses on policy issues occurring in the world today. Students will develop arguments on several sides of the issue and conduct in-depth research to support their claims. This class will emphasize the many facets of argumentation and will help to develop critical thinking skills in a focused and topic-specific way. Students will defend their arguments in class and will have the opportunity to compete against other schools that offer similar courses on contemporary policy issues.</p>				

World Languages

World Languages in Cedar Rapids Community School District include the integrated study of communication and culture to promote language development and cultural competence in multiple languages. World Language courses promote global literacy and prepare students to be future ready through development of critical-thinking, problem-solving, and collaboration skills.

FRENCH

Course	Credit	Length	Prerequisite	Schools Offering
French 1	1 credit per semester	2 semesters	None	J-K-W-M
Description: This course is for students who want to begin world language study and to enable them to function effectively in more than one culture through a basic knowledge of the language, the people, and the French-speaking world. RAI, NCAA				
French 2	1 credit per semester	2 semesters	French 1 or with teacher approval.	J-K-W
Description: This course is for students who wish to continue their world language study and to refine and expand the skills learned in the beginning courses and prepare them for more advanced French study. Students will learn more challenging grammar and a wider variety of vocabulary. RAI, NCAA				
French 3	1 credit per semester	2 semesters	French 1, French 2 or with teacher approval.	J-K-W
Description: This course is for students who wish to pursue their world language study with greater intensity and to continue the language refinement process, enabling the student to function with greater facility and effectiveness in the French culture and language. RAI, NCAA				
French 4	1 credit per semester	2 semesters	French 1, French 2, and French 3 or with teacher approval.	J-K-W
Description: This course is for students who wish to pursue their world language study with even greater intensity and to continue the language refinement process, enabling them to function with greater facility and effectiveness in the French culture and language and to facilitate post-secondary language experience. RAI, NCAA				
AP French	1 credit per semester	2 semesters	French 1, French 2, and French 3 or with teacher approval.	K-W
Description: This college-level class is designed to prepare students for the Advanced Placement Exam in French Language. Students enrolling in AP French should already have a good command of French grammar and vocabulary. This course requires more extensive, in-depth training in listening, reading, speaking and writing than the fourth year course in French. RAI, NCAA, AP, W, ADV				
French 1 for Heritage Students	1 credit per semester	2 semesters	See course description	J
Description: French for Heritage Students is designed specifically for students whose first language is French and who have a basic fluency of the French language, but may have had no or minimal formal instruction in French. Reading and formal writing connected to cultural and grammar units form the basis of study. RAI				
French 2 for Heritage Students	1 credit per semester	2 semesters	French 1 for Heritage Students or a comparable French class	J
Description: French 2 for Heritage Students is designed specifically for students whose first language is French and have a fluency of the French language. Students have completed French 1 for Heritage Students or a French class at a similar level. Students will further their formal reading and writing skills. All units are connected to cultural and grammar instruction which forms the basis of study. RAI				

Course	Credit	Length	Prerequisite	Schools Offering
Intermediate French 1	1 credit per semester of high school credit and 4 Kirkwood Community College credits	1 semester each	French 1, 2, & 3, or teacher approval, or meet Senior Year Plus requirements	J
Description: Develops fundamental skills in French through activities aimed at expressing original ideas and conveying message in correct French with the aid of authentic resources. Class activities offer advanced training in listening, speaking, reading, writing, and understanding the cultures of French-speaking countries. Grammar study includes a review of previously introduced topics as well as new ones. W, CC				
Intermediate French 2	1 credit per semester of high school credit and 4 Kirkwood Community College credits	1 semester each	French 1, 2, & 3, or teacher approval, or meet Senior Year Plus requirements	J
Description: Develops fundamental skills in French through activities aimed at expressing original ideas and conveying message in correct French with the aid of authentic resources. Class activities offer advanced training in listening, speaking, reading, writing, and understanding the cultures of French-speaking countries. Grammar study includes a review of previously introduced topics as well as new ones. W, CC				

GERMAN

Course	Credit	Length	Prerequisite	Schools Offering
German 1	1 credit per semester	2 semesters	None	J-K-W
Description: This course is for students who want to begin world language study and to enable them to function effectively in more than one culture through a basic knowledge of the language, the people, and the cultures of German-speaking countries. RAI, NCAA				
German 2	1 credit per semester	2 semesters	German 1 or with teacher approval.	J-K-W
Description: This course is for students who wish to continue their world language study and to refine and expand the skills learned in the beginning courses and prepare them for more advanced German study. Students will learn more challenging grammar and a wider variety of vocabulary. RAI, NCAA				
German 3	1 credit per semester	2 semesters	German 1 and German 2 or with teacher approval.	J-K-W
Description: This course is for students who wish to pursue their world language study with greater intensity and to continue the language refinement process, enabling them to function with greater facility and effectiveness in the German culture and language. RAI, NCAA				
German 4	1 credit per semester	2 semesters	German 1, German 2, and German 3 or with teacher approval.	J-K-W
Description: This course is for students who wish to pursue their world language study with even greater intensity and to continue the language refinement process, enabling them to function with greater facility and effectiveness in the German culture and language and to facilitate post- secondary language experience. RAI, NCAA				
AP German	1 credit per semester	2 semesters	German 1, German 2, and German 3 or with teacher approval.	J-K-W
Description: This college-level class is designed to prepare students for the Advanced Placement Exam in German Language. Students enrolling in AP German should already have a good command of German grammar and vocabulary. This course requires more extensive, in-depth training in listening, reading, speaking and writing than the fourth year course in German. RAI, NCAA, AP, W				

JAPANESE

Course	Credit	Length	Prerequisite	Schools Offering
Japanese 1	1 credit per semester	2 semesters	None	J-K-W
<p>Description: This course is for students who want to begin world language study and to enable them to function effectively in more than one culture through a basic knowledge of the language, the people, and the Japanese-speaking world. RAI, NCAA</p>				
Japanese 2	1 credit per semester	2 semesters	Japanese 1 or with teacher approval.	J-K-W
<p>Description: This course is for students who wish to continue their world language study and to refine and expand the skills learned in the beginning course and prepare them for more advanced Japanese study. Students will learn more challenging grammar and a wider variety of vocabulary. RAI, NCAA</p>				
Japanese 3	1 credit per semester	2 semesters	Japanese 1 and Japanese 2 or with teacher approval.	J-K-W
<p>Description: This course is for students who wish to pursue their world language study with greater intensity and to continue the language refinement process, enabling them to function with greater facility and effectiveness in the Japanese culture and language. RAI, NCAA</p>				
Japanese 4	1 credit per semester	2 semesters	Japanese 1, Japanese 2, and Japanese 3 or with teacher approval.	J-K-W
<p>Description: This course is for students who wish to pursue their world language study with even greater intensity and to continue the language refinement process, enabling them to function with greater facility and effectiveness in the Japanese culture and language and to facilitate post- secondary language experience. RAI, NCAA</p>				
AP Japanese	1 credit per semester	2 semesters	Japanese 1, Japanese 2, and Japanese 3 or with teacher approval.	J-K-W
<p>Description: This college-level class is designed to prepare students for the Advanced Placement Exam in Japanese Language. Students enrolling in AP Japanese should already have a good command of Japanese grammar and vocabulary. This course requires more extensive, in-depth training in listening, reading, speaking and writing than the fourth year course in Japanese. RAI, NCAA, AP, W</p>				

SPANISH

Course	Credit	Length	Prerequisite	Schools Offering
Spanish 1	1 credit per semester	2 semesters	None	J-K-W-M
<p>Description: This course is for students who want to begin world language study and to enable them to function effectively in more than one culture through a basic knowledge of the language, the people, and the Spanish-speaking world. RAI, NCAA</p>				
Spanish 2	1 credit per semester	2 semesters	Spanish 1 or with teacher approval.	J-K-W-CV
<p>Description: This course is for students who wish to continue their world language study and to refine and expand the skills learned in the beginning courses and prepare them for more advanced Spanish study. Students will learn more challenging grammar and a wider variety of vocabulary. RAI, NCAA</p>				
Spanish 3	1 credit per semester	2 semesters	Spanish 1 and Spanish 2 or with teacher approval.	J-K-W
<p>Description: This course is for students who wish to pursue their world language study with greater intensity and to continue the language refinement process, enabling them to function with greater facility and effectiveness in the Spanish culture and language. RAI, NCAA</p>				
Spanish 4	1 credit per semester	2 semesters	Spanish 1, Spanish 2, and Spanish 3, or with teacher approval.	J-K-W
<p>Description: This course is for students who wish to pursue their world language study with even greater intensity and to continue the language refinement process, enabling them to function with greater facility and effectiveness in the Spanish culture and language and to facilitate post- secondary language experience. RAI, NCAA</p>				
AP Spanish	1 credit per semester	2 semesters	Spanish 1, Spanish 2, and Spanish 3, or with teacher approval.	J-K-W
<p>Description: This college-level class is designed to prepare students for the Advanced Placement Exam in Spanish Language. Students enrolling in AP Spanish should already have a good command of Spanish grammar and vocabulary. This course requires more extensive, in-depth training in listening, reading, speaking and writing than the fourth year course in Spanish. RAI, NCAA, AP, W</p>				

Course	Credit	Length	Prerequisite	Schools Offering
Intermediate Spanish 1 (Fall)	1 credit per semester of high school credit and 4 Kirkwood Community College credits	1 semester each	Spanish 1, 2, & 3, or teacher approval, or meet Senior Year Plus requirements	J-W
<p>Description: Develops fundamental skills in Spanish through activities aimed at expressing original ideas and conveying message in correct Spanish with the aid of authentic resources. Class activities offer advanced training in listening, speaking, reading, writing, and understanding the cultures of Spanish-speaking countries. Grammar study includes a review of previously introduced topics as well as new ones. RAI, NCAA, CC, W</p>				
Intermediate Spanish 2 (Spring)	1 credit per semester of high school credit and 4 Kirkwood Community College credits	1 semester each	Spanish 1, 2, & 3, or teacher approval, or meet Senior Year Plus requirements	J-W
<p>Description: Develops fundamental skills in Spanish through activities aimed at expressing original ideas and conveying message in correct Spanish with the aid of authentic resources. Class activities offer advanced training in listening, speaking, reading, writing, and understanding the cultures of Spanish-speaking countries. Grammar study includes a review of previously introduced topics as well as new ones. RAI, NCAA, CC, W</p>				
Spanish 1 for Heritage Students	1 credit per semester	2 semesters	See course description	J
<p>Description: This course is designed specifically for students whose first language is Spanish and who have basic fluency of the Spanish language but may have had no or minimal formal instruction in Spanish. This course is for students who wish to continue their world language study and to refine and expand the skills learned in the beginning courses and prepare them for more advanced Spanish study. Students will learn more challenging grammar and a wider variety of vocabulary. All units are connected to cultural and grammar instruction, which forms the basis of study. RAI, NCAA</p>				
Spanish 2 for Heritage Students	1 credit per semester	2 semesters	Spanish 1 for Heritage Students or a comparable Spanish class	J
<p>Description: Spanish 2 for Heritage Students is designed specifically for students whose first language is Spanish and have a fluency of the Spanish language. Students have completed Spanish 1 for Heritage Students or a Spanish class at a similar level. Students will further their formal reading and writing skills. All units are connected to cultural and grammar instruction which forms the basis of study. RAI, NCAA</p>				

Physical Education

Physical Education in Cedar Rapids Community School District develops physically literate individuals who have the knowledge, skills and confidence to enjoy a lifetime of healthful physical activity within a comprehensive school physical education program. One PE course per year is required.

Course	Credit	Length	Prerequisite	Schools Offering
Performance PE	1 credit per semester	1 semester	None	J-K-W-M
<p>Description: This is a daily course set up to provide progressive and structured lessons for students seeking high intensity training. Students will follow a set program that is designed to help them achieve a high level of strength and fitness. Students will work on strength training as well as cardiovascular fitness, agility, speed and quickness. Students will be given a pre-test and a post-test on a variety of functional strength and fitness activities.</p>				
Personal Fitness	1 credit per semester	1 semester	None	J-K-W-M
<p>Description: This course includes personal fitness activities such as Yoga, Cross Fit, Kick Boxing, Tai Chai, Pilate, Interval Training, Zumba, Step Aerobics, and Circuit Training. Each student will learn about their personal fitness levels through a variety of assessments (heart rate monitors, pedometers, etc.). Students will explore topics such as goal development, components of fitness, nutrition evaluation, and program development.</p>				
Team Fitness	1 credit per semester	1 semester	None	J-K-W-M
<p>Description: This course includes team games, individual games, co-operative games and fitness activities. Each student will learn about their personal fitness levels through technology, health concepts, PE Standards, and assessments. Students will be assessed on 21st Century Skills.</p>				

Course	Credit	Length	Prerequisite	Schools Offering
Swimming	1 credit per semester	1 semester	None	K
<p>Description: This course includes water safety, basic stroke development, lifetime water activities, endurance swimming, diving, and basic water survival. All levels of swimming can sign up for this course, from beginning swimmers to an advanced swimmers.</p>				
Health and Fitness 1	1 credit per semester (Teacher must hold a health endorsement)	1 semester	None (This course can only be taken once)	J-K-W-M
<p>Description: This class will cover basic health concepts, introduction to all physical education courses offered (including Personal Fitness, Team Sports, and Swimming) technology integration, use of heart rate monitors, and assessment for priority movements which combines the topics of Health Education courses (nutrition, food labels, My Plate Guidelines, eating disorders, stress management, mental and emotional health, relationships, etc.) with the intention of conveying life-long wellness habits.</p>				
Health and Fitness 2	1 credit per semester (Teacher must hold a health endorsement)	1 semester	None (This course can only be taken once)	J-K-W-M
<p>Description: This course combines the topics of Health Education courses (identifying legal and illegal drugs, consequences of drug use and abuse, alcohol and tobacco education, substance abuse prevention, etc.) with the intention of conveying life-long wellness habits.</p>				
Unified PE	1 credit per semester	1 semester	None	J-K-W
<p>Description: This course design allows students with special needs to engage in healthy movement and sports activities. Peer-helpers may enroll in this class for physical education credit to assist with these activities. The chief goals of the class include improvement of each student's strength, balance and coordination.</p>				

Music

Music in Cedar Rapids Community School District fosters lifelong learners and consumers of music by providing high quality music programs that promote essential opportunities for all students, teach the whole child, develop 21st Century Skills, and instill a love and joy for music.

ELECTIVE

Course	Credit	Length	Prerequisite	Schools Offering
Digital Music	½ credit per semester	1 semester	None	K-W
<p>Description: Digital Music is designed to give students the opportunity to create, edit, produce, and engage with music using a digital platform. Throughout this class, students will use sound editing programs like Soundtrap and Noteflight to understand how to manipulate sounds, create melodies, harmonies, and rhythms. This class may be taken more than once.</p>				
Music Workshop	1 credit per semester	1 semester	None	J-K-W
<p>Description: Music Workshop is designed to give students the opportunity to explore their musical interests. There will be flexibility for students to choose their own topics including learning a new instrument, composition, song writing, arranging, music research and college preparation/career exploration. Students are placed in Music Workshop after successful completion of an entry interview/performance assessment by music faculty. This will be offered as a one semester course with the option of repeating.</p>				
Guitar 1	1 credit per semester	1 semester	None	K-W
<p>Description: This 4-unit introductory course provides a comprehensive overview of guitar playing, covering chords and strumming patterns, bass guitar, songwriting, and lead guitar with riffs and melodies. Students complete four key projects: learning chords and strumming across 50 songs in multiple styles; creating an original bassline for an existing song; writing and performing an original song with lyrics, melody, and chord progression; and developing a riff with improvisation over a chord progression.</p>				
Foundations of Music Theory	1 credit per semester	1 semester	None	K-W
<p>Description: Students will develop an understanding of music theory and music terminology and notation. They will learn to identify intervals, chords, scales and large scale musical forms by ear and in writing. They will also gain an understanding of musical attributes in different style periods. They will develop aural skills and a beginning understanding of music theory, sight-singing, and musical form. This course is designed to provide foundational skills necessary for success in AP Music Theory. Optimal for students with a strong interest in and an aptitude for music who have experience playing an instrument or singing in an ensemble.</p>				
AP Music Theory	1 credit per semester	2 semesters	None	J-K-W
<p>Description: This college-level class is designed to prepare students for the Advanced Placement Exam in Music Theory. For students with a strong interest in and an aptitude for music. Students develop skills and deeper understanding of music theory, sight-singing, melodic and harmonic dictation, musical form and composition. AP, W</p>				

BAND

Course	Credit	Length	Prerequisite	Schools Offering
Band	1 credit per semester	2 semesters	None	J-K
<p>Description: This course will prepare students for the audition based band ensembles and build performance skills.</p>				
Marching Band	1 credit per semester	1 semester	None	J-K-W
<p>Description: This ensemble focuses on basic instrumental techniques, tone production, music reading skills and blend/balance. Students are exposed to a variety of band literature at the beginning high school level. For those students participating in marching band during the fall semester a variety of marching band literature is performed at select football games, festivals, and contests. Kennedy – Concert Band, Jefferson – The Band of Blue, Washington – Concert Band</p>				
Symphonic Band	1 credit per semester	1 semester	None	J-K-W
<p>Description: This ensemble focuses on basic instrumental techniques, tone production, music reading skills and blend/balance. Students are exposed to a variety of band literature at the beginning and intermediate high school level.</p>				
Wind Symphony	1 credit per semester	1 semester	None	J-K-W
<p>Description: Members are expected to exhibit strong instrumental techniques, ensemble and performance skills. This ensemble performs advanced level literature from a variety of styles and genres of instrumental music.</p>				
Color Guard	½ credit per semester	1 semester	None	J-K-W
<p>Description: Membership is determined by audition. The focus is on rhythmic movement and aerobic precision. Students perform at select football games, festivals and contests.</p>				

Course	Credit	Length	Prerequisite	Schools Offering
Jazz Band 1	½ credit per semester	2 semesters	None	J-K-W
Description: This ensemble focuses on improvisation and a variety of instrumental jazz techniques and styles. Jazz Band One will perform advanced jazz literature at select concerts, festivals, and contests. This class may be offered before or after school. Kennedy – Jazz One, Jefferson – Band of Blues, Washington – Revolutionists				
Jazz Band 2	½ credit per semester	2 semesters	None	K-W
Description: This ensemble focuses on improvisation and a variety of instrumental jazz techniques and styles. Jazz Band 2 will perform intermediate or beginning level jazz literature at select concerts, festivals, and contests. This class may be offered before or after school. Kennedy – Jazz Two, Washington – Jazz Also				
Show Choir Combo Tech Crew	½ credit per semester	2 semesters	None	K-W
Description: This course is open to students interested in accompanying show choirs. Students will attend evening rehearsals as well as show choir performances and competitions.				

ORCHESTRA

Course	Credit	Length	Prerequisite	Schools Offering
String Orchestra	1 credit per semester	2 semesters	None	J-K-W
Description: This string orchestra ensemble focuses on basic instrumental string techniques, tone production, music reading skills and blend/balance. Students are exposed to a variety of orchestral literature at the beginning high school level.				
Symphony Orchestra	1 credit per semester	2 semesters	None	J-K-W
Description: This string orchestra ensemble focuses on advanced instrumental string techniques, tone production, music reading skills and blend/balance. Students perform a variety of styles and genres of advanced level string literature. There is occasional opportunity to perform with winds and percussion.				
String Ensemble	½ credit per semester	2 semesters	None	K-W
Description: This small string ensemble is designed to give advanced string instrumentalists an additional opportunity to rehearse and perform a variety of advanced literature in a professional environment. Members are expected to have excellent sense of pitch, rhythm, music reading skills and musicality.				

CHOIR

Course	Credit	Length	Prerequisite	Schools Offering
High School Singers	1 credit per semester	2 semesters	None	J-K-W
<p>Description: Membership in this course is open to high school students interested in performing choral literature, without audition. This ensemble focuses on basic vocal and performance techniques; tone production, music reading skills and choir blend/balance. Students are exposed to a variety of choral literature at the beginning high school level. This course may be offered for only ½ credit at some schools. Ask your school counselor for more information. Kennedy: Kennedy Singers, Jefferson: Jefferson Singers, Washington: Washington Singers</p>				
High School Chorus	½ credit per semester	2 semesters	None	K
<p>Description: This choir is designed to build on the beginning choir ensemble foundation by improving established vocal and ensemble performance technique and developing more advanced music reading skills. Students perform a variety of intermediate level choral literature. Kennedy: Kennedy Chorale</p>				
Concert Choir	1 credit per semester	2 semesters	None	J-K-W
<p>Description: Concert Choir members are expected to exhibit strong vocal techniques, music reading skills and performance practices. This choir performs advanced level literature from a variety of styles and genres of choral literature. This course may be offered for only ½ credit at some schools. Ask your school counselor for more information. Kennedy – Concert Choir, Jefferson – Concert Choir, Washington - Concert Choir</p>				
Vocal Ensemble	1 credit per semester	2 semesters	Membership in Concert Choir, High School Chorus or High School Singers	J-K-W
<p>Description: The choir is designed to give advanced singers an additional opportunity to rehearse and perform a wide variety of selected advanced literature in a professional rehearsal environment. Members are expected to have an excellent sense of pitch, rhythm, music reading skills and musicality. This course may be offered for only ½ credit at some schools. Ask your school counselor for more information. Kennedy – Chamber Choir and 9th Grade Select Choir, Jefferson – Meistersingers, Washington – Madrigal Singers</p>				
Vocal Jazz	½ credit per semester	2 semesters	Membership in Concert Choir, High School Chorus or High School Singers	J-K-W
<p>Description: Select membership in this course is open to choral students and is based on a successful audition. This select advanced ensemble performs advanced jazz choral literature. Members are expected to have an excellent sense of pitch, rhythm, music reading skills and musicality. Kennedy – Moonlight Express & Eclipse, Washington – Slice of Jazz, Jefferson - Shades of Blue & Blue Pulse</p>				
Show Choir A	½ credit per semester	2 semesters	Year-long membership in Concert Choir, High School Chorus or High School Singers	J-K-W
<p>Description: This ensemble provides students with opportunities for creative expression with emphasis on advanced-level vocal production, choreography and performance skills. Kennedy – Happiness Inc., Jefferson – West Side Delegation, Washington - Momentum</p>				
Show Choir B	½ credit per semester	2 semesters	Year-long membership in Concert Choir, High School Chorus or High School Singers	J-K-W
<p>Description: This ensemble provides students with opportunities for creative expression with emphasis on intermediate-level vocal production, choreography and performance skills. Kennedy – Protégé, Jefferson – Ovation, Washington - Celebration</p>				

ART

Art courses in the Cedar Rapids Community School District develop student's visual literacy, creative problem solving, and critical thinking skills by expanding their technical skills in art making and through the study of art in history and culture. Students will be introduced to traditional and contemporary art and practice.

Course	Credit	Length	Prerequisite	Schools Offering
Art 101	1 credit per semester	1 semester	None	J-K-W-CV-M
Description: Students will explore the elements and principles of design by creating artwork in a variety of 2D and 3D media. They will develop foundational skills in areas such as drawing, painting, digital art, and ceramics/sculpture. This course helps students discover their artistic pathway in high school and provides a strong foundation for success in advanced art courses. It is highly recommended to take freshman year.				
Drawing 1	1 credit per semester	1 semester	None	J-K-W-CV-M
Description: This course is for students interested in developing drawing skills with varied media and approaches. Emphasis will be given to drawing from life and helping students develop personal expression.				
Drawing 2	1 credit per semester	1 semester	Drawing I	J-K-W-CV
Description: This course builds skills and expands concepts developed in Drawing 1. Students will be encouraged to find their own artistic voice through explorations moving from realistic to abstraction.				
Painting 1	1 credit per semester	1 semester	None	J-K-W-M
Description: This course is for students who wish to develop their painting skills. Students will explore basic color theory and painting techniques using watercolor and acrylic. Projects will incorporate components from art history. Students will develop an appreciation and understanding of compositional choices in paintings.				
Painting 2	1 credit per semester	1 semester	Painting I	J-K-W
Description: This course builds skills and expands concepts developed in Painting 1. Students will be encouraged to find their own artistic voice through explorations moving from realistic to abstraction.				
Ceramics 1	1 credit per semester	1 semester	None	J-K-W-M
Description: This is a course for students wishing to learn how to create and glaze hand-built and wheel thrown pottery. Students will learn how the elements and principles of design are applied in Ceramic construction. The class will focus on developing technical and practical skills as well as becoming familiar with periods of ceramic history.				
Ceramics 2	1 credit per semester	1 semester	Ceramics I	J-K-W
Description: This is a course for students wishing to improve ceramics skills and expand the concepts developed in Introduction to Ceramics. Students will expand their ceramic skills into creative and abstract expressions. This class focuses on advanced methods of construction and glazing.				

Course	Credit	Length	Prerequisite	Schools Offering
Sculpture 1	1 credit per semester	1 semester	None	J-K-W-CV-M
Description: This course is for students who wish to learn various processes, techniques and methods related to sculpture. Students will learn to sculpt both in relief and in the round using various media. Through projects and historical study students will develop an appreciation and deeper understanding of 3D art.				
Photography 1	1 credit per semester	1 semester	Grades 10-12 or instructor approval	J-K-W-CV
Description: This course is for students interested in digital photography. The class will emphasize exposure manipulation through the use of aperture, shutter speed, and ISO features. Students will focus on technical and compositional skills. In addition, students will also be required to evaluate images of others through writing assignments and critiques.				
Photography 2	1 credit per semester	1 semester	Photography 1 Grades 10-12 or instructor approval	J-K-W-CV
Description: This course is for students who wish to build on skills and expand concepts developed in Intro to Photography. Students will explore innovative and experimental techniques in digital photography.				
Digital Art 1	1 credit per semester	1 semester	None	K-W
Description: Through this course, students will learn to use the computer to visually communicate their ideas and become better prepared to participate in our ever-changing age of technology. Students will sharpen their drawing skills, improve their methods of composition, and improve their creative thinking skills. Students will use computers, digital devices, Adobe software, pen and tablet, etc. to explore digital art techniques. Topics may include the design and production of digital imagery, graphic design, photo manipulation, motion graphics, digital drawing, multimedia, and copyright/ethical issues				
Illustration Design	1 credit per semester	1 semester	Survey of Graphic Communications	K-W
Description: Introduces current vector program and its application in graphic communication. Includes vector exclusive tools as they apply to object-based files, filters and layers. Teaches basic drawing and tracing techniques, as well as creating line art and identity (logo). Includes advanced drawing techniques, creation of medium to high quality art, and how to simplify artwork through stylizing. Explores creative use of typography. CC, W				
Image Design	1 credit per semester	1 semester	Survey of Graphic Communications	K-W
Description: Introduces raster editing programs. Covers current image capturing techniques for color, grayscale and graphic based images. Addresses proper manipulation procedures required for various output sources including input and output resolutions, file size, multiple file-saving formats, and image enhancements for creating raster imagery for use in graphic design applications, and for adding typography to images, to create visually effective images. Emphasizes properly preparing images for publishing, online and motion use. CC, W				
AP Studio: 2D Design AP Studio: 3D Design AP Studio: Drawing	1 credit per semester	2 semesters	4 HS art classes or instructor approval	J-K-W
Description: These courses are for students in advanced studies of art making. These college level courses are designed to prepare students for the Advanced Placement Studio Art Portfolios. Students will choose one area of interest to develop their portfolio. This course is a year-long class. AP, W				
Survey of Graphic Communications	1 credit per semester	1 semester	None	K-W
Description: Introduces the graphic communication industry, including graphic design and typography principles, traditional layout and design techniques, electronic/traditional publishing, and Internet design basics. Introduces the fundamental processes used in the graphic communication industry. Covers two-dimensional design concepts and production preparation. Explores current graphic design computer applications and its interaction with printers, servers and design support. CC, W				

Course	Credit	Length	Prerequisite	Schools Offering
AP Art History	1 credit per semester	2 semesters	None	J-K-W
Description: This college level course is designed to prepare students for the Advanced Placement Exam in Art History. In this course, students examine major forms of artistic expression from the ancient world to the present and from a variety of cultures. They learn to look and analyze works of art within their historical context, and to articulate what they see or experience in a meaningful. AP, W				
Art History 1	1 credit per semester	1 semester	None	W
Description: Kirkwood concurrent course. In this course, students examine major forms of artistic expression from the ancient world to the present and from a variety of cultures. They learn to look and analyze works of art within their historical context, and to articulate what they see or experience in a meaningful way. W, CC				
Art Appreciation	1 credit per semester	1 semester	None	W
Description: Provides an overview of art from a historical, contemporary and aesthetic frame of reference. Kirkwood concurrent course. W, CC				

CAREER TECHNICAL EDUCATION

INDUSTRIAL TECHNOLOGY

Course	Credit	Length	Prerequisite	Schools Offering
Automotive Technology 1	2 credit per semester	2 semesters	None	J-K
Description: This foundational course introduces students to the essential concepts, skills, and practices of automotive repair and technology. Students learn routine vehicle maintenance, including inspections, brake service, tire rotations, and fluid checks, as well as tire and wheel service such as mounting, dismounting, and balancing. Emphasis is placed on shop safety, proper tool use, and professional communication of inspection results and maintenance recommendations. This course prepares students for more advanced automotive studies in subsequent coursework. CTE				
Automotive Technology 2	2 credit per semester	2 semesters	Automotive Technology 1	J-K
Description: Automotive Technology 2 is an intermediate-level course designed for students who have completed a foundational automotive class and are ready to deepen their knowledge and hands-on skills in automotive repair, diagnostics, and emerging vehicle technologies. Students will learn how to do visual inspections, mount/dismount tires correctly including proper weight is applied, rotate tires, routine maintenance, and learn how to talk/communicate to a customer to relay information about the clients car. CTE				
Robotics and Automation	1 credit per semester	1 semester	None	J-W-M
Description: This one semester class serves as an introduction to the rapidly growing field of robotics and automated manufacturing. Students will work in teams to complete modular units of instruction, learning the basic operation of CNC mills, lathes, routers, robotics and lasers. This class can be used as a foundation for further study in Computer Integrated Manufacturing and Project Lead the Way courses. CTE				
Advanced Manufacturing and Entrepreneurship	1 credit per semester	2 semesters	Woodworking	M
Description: This course covers the theory of operation of machining tools as it applies to manufacturing. Safety is taught as it applies to each machine process. Proper terminology of the machinist trade is emphasized. Covers use of basic measuring tools, layout and inspection tools, and bench work. Safe operation of machine tools is taught. Emphasis is on following blue-prints and holding tolerances through the use of a variety of processes to produce a product. CTE				

Course	Credit	Length	Prerequisite	Schools Offering
Consumer Auto Mechanics 1	1 credit per semester	1 semester	None	K
Description: Consumer Auto Mechanics is a semester course intended to introduce students to the theory of operation, design, and maintenance of the automobile. The course will look at the purchase, maintenance and repair of the automobile from the point of view of a car owner. The basic systems of the automobile will be covered and the student will participate in hands on labs related to common maintenance and repair including safety, tools, equipment, and systems such as cooling, lubrication, and battery/ignition. CTE				
Woodworking 1	1 credit per semester	1 semester	None	J-K-W-M
Description: This course covers the use of basic measuring tools, layout, and the fundamentals of woodworking with an emphasis on the correct and safe use of tools and machines. Students will learn to read drawings, create plans, complete mathematical calculations, use precision measuring tools, the processes of planning, drawing, and constructing basic wood products. CTE				
Woodworking 2	1 credit per semester	1 semester	Woodworking 1	J-K-W-M
Description: This course explores a greater variety of tool and machine usage along with more complex applications. Correct and safe use of equipment is emphasized as students develop technical knowledge and skills with design and build projects. Students have the opportunity to build specialized projects with their purchased materials. CTE				
Construction 1	1 credit per semester	1 semester	None	J-K-W
Description: This course covers the use of basic measuring tools, layout, and the fundamentals of construction with an emphasis on the correct and safe use of tools and machines. Students will explore the construction industry from the architect's drawings and surveying building sites to the finishing procedures on a structure. Framing and finish carpentry, drywall, electrical, and plumbing will be studied. Students will participate in construction projects and activities. CTE				
Construction 2	1 credit per semester	1 semester	Construction 1	J-K-W
Description: This course explores the more detailed concepts of the construction industry from the architect's drawings and surveying building sites to the finishing procedures on a structure. Students will design, estimate and build construction projects and activities. Framing and finish carpentry, plumbing, estimating, and electrical will be studied. CTE				
Building Trades	2 credits per semester	2 semesters – 2 periods in length	11th-12th Grade plus the successful completion of Construction 1 & 2, and pass safety/core construction knowledge pre-test.	J-K-W
Description: Building Trades students will participate in the Cedar Rapids Student-built House project. The goal of the Student-built House is to allow students to develop and practice construction skills while building a single-family house. This year-long, AM or PM, class for students who want to be active and do things. The class meets away from school at a construction building site. During the school year students will be introduced and participate in various aspects of residential home construction including framing, plumbing, electrical, HVAC, windows and doors, roofing, siding, drywall, paint, trim carpentry, and landscaping. At the end of the school year students will have the skills and knowledge to continue their education in the field of construction or to enter an entry level construction job. Students will be required to provide their own hand non-powered hand tools and tool belt. The tool list is included with the application. CTE				
Fundamentals of Welding	1 credit per semester	1 semester	None	K
Description: This is a one semester course recommended for students 9-12 who are interested in an introduction to welding and cutting processes. In this course the student will be introduced to oxyacetylene cutting and plasma arc cutting. The welding processes introduced include oxyacetylene, electric arc, metal inert gas (MIG), and tungsten inert gas (TIG). The course includes some text assignments, demonstrations, and a great deal of lab Work. CTE				

Course	Credit	Length	Prerequisite	Schools Offering
Power and Energy (Electric Car)	1 credit per semester	1 semester	None	K
<p>Description: To offer students an opportunity to work in a real business. The course offers very high-level challenges for students in design, engineering, promotion, publicity, accounting and production. Development of skills in goal setting and completion, reliability, and teamwork are a big part of this experience. Content: Much of the content of this course is the application of skills learned in other courses particularly math, science, language arts, tech education, or accounting. Students develop a team, set goals, and research solutions for their part of the company. The overall goal is to promote, develop, build, display, and compete with small one-passenger electric vehicles. This course is repeatable. CTE</p>				

PROJECT LEAD THE WAY (PLTW)

Course	Credit	Length	Prerequisite	Schools Offering
Engineering Essentials	1 credit per semester	1 semester	Concurrent enrollment in Algebra One or LA 9 is highly recommended for this course	J-W
<p>Description: Engineering Essentials is a semester course designed to be a high school student's first exposure to the PLTW Engineering program and is appropriate for students in grades 9-12. In Engineering Essentials, students explore the work of engineers and their role in the design and development of solutions to real-world problems. This is an introductory PLTW Course PLTW, CTE</p>				
Introduction to Engineering Design	1 credit per semester	2 semesters	concurrent enrollment or completion of Algebra 1 & LA 9	J-K-W
<p>Description: Students dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using 3D modeling software, and use an engineering notebook to document their work. W, CC, PLTW, CTE</p>				
Principles of Engineering	1 credit per semester	2 semesters	Introduction to Engineering Design	J-K-W
<p>Description: Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation. W, CC, PLTW, CTE</p>				

Course	Credit	Length	Prerequisite	Schools Offering
Aerospace Engineering	1 credit per semester	2 semesters	Introduction to Engineering Design and Principles of Engineering is highly recommended prior to this course.	J
<p>Description: This course propels students' learning in the fundamentals of atmospheric and space flight. As they explore the physics of flight, students bring the concepts to life by designing an airfoil, propulsion system, and rockets. They learn basic orbital mechanics using industry-standard software. They also explore robot systems through projects such as remotely operated vehicles. PLTW, CTE</p>				
Civil Engineering and Architecture	1 credit per semester	2 semesters	Introduction to Engineering Design and Construction 1	J
<p>Description: Students learn important aspects of building and site design and development. They apply math, science, and standard engineering practices to design both residential and commercial projects and document their work using 3D architecture design software. W, CC, PLTW, CTE</p>				
Computer Integrated Manufacturing	1 credit per semester	2 semesters	Concurrent enrollment OR completion of Principles of Engineering	J
<p>Description: This course illuminates the opportunities related to understanding manufacturing. At the same time, it teaches students about manufacturing processes, product design, robotics, and automation. Students can earn a virtual manufacturing badge recognized by the National Manufacturing Badge system. PLTW, CTE</p>				
Computer Science Essentials	1 credit per semester	2 semesters	None	K-W
<p>Description: In Computer Science Essentials, students will use visual, block-based programming and seamlessly transition to text-based programming with languages such as Python to create apps and develop websites, and learn how to make computers work together to put their design into practice. They'll apply computational thinking practices, build their vocabulary, and collaborate just as computing professionals do to create products that address topics and problems important to them. PLTW, CTE</p>				

FAMILY AND CONSUMER SCIENCE

Course	Credit	Length	Prerequisite	Schools Offering
Foods Fundamentals and Nutrition	1 credit per semester	1 semester	None	J-K-W
Description: Students will focus on nutrition, measurements, kitchen safety, food safety, cooking methods, collaboration, and time management. Students will learn to follow recipes and prepare nutritious foods. Available to 10th-12th grade students. CTE				
Culinary Techniques	1 credit per semester	1 semester	Food Fundamentals and Nutrition	J-K-W
Description: Students will explore food science principles, menu planning, advanced cooking methods, and extend what they learned in Food Fundamentals and Nutrition. Available to 10th-12th grade students. CTE				
ProStart 1	2 credits per semester	1 semester – 2 periods in length	Food Fundamentals and Nutrition	W
Description: Units include: overview of the restaurant and foodservice industry, a safe operation, introduction to the kitchen, culinary exploration, and service and management. Covers two periods, back to back/semester. ServSafe Manager Certificate training available. Prerequisite: Food Fundamentals and Nutrition. CTE				
ProStart 2	2 credits per semester	1 semester – 2 periods in length	ProStart 1	W
Description: Units include: reaching your customers, culinary exploration, managing costs, today's operational concerns, meat, poultry, and seafood, baking and desserts. Covers two periods, back to back/semester. Prerequisite: ProStart 1. If students pass the articulation tests for ProStart 1 and ProStart 2, receive ServSafe manager certification, and do the ProStart internship, college credit is available through colleges in Iowa and throughout the U.S. CTE				
ProStart Internship	1 credit per semester	2 semesters	ProStart	W
Description: Ideally taken between ProStart 1 and ProStart 2 courses. Must be taken if interested in college credit and articulation. Classroom experience is necessary to learn the foundational culinary and management skills; nothing beats real-life experience gained by working in the industry. ProStart students learn how to be an industry professional through hands-on work under the direction of a mentor. Mentors help students make the connection between their present performance and their future career. Students must have a minimum of 400 hours of paid work experience. They must complete 52 of the 75 competencies on the Student Work Experience Checklist, to be determined by employers. CTE				
Early Childhood Development	1 credit per semester	1 semester	None	J-K
Description: Students will learn about the physical, intellectual, emotional, and social development of infants, toddlers, and preschool children. Students will explore guidance techniques that nurture and enrich a child's life. This class is a prerequisite for Early Childhood Development Internship. Available to 9th-12th grade students. CTE				
School Age Child Development	1 credit per semester	1 semester	None	J-K
Description: Students will learn about the physical, intellectual, emotional, and social development of children ages 5-12 years. Students will explore family dynamics, the benefits of play, and effective guidance strategies. This class is a prerequisite for the School Age Child Development Internship. Available to 9th-12th grade students. CTE				
Personal Development	1 credit per semester	1 semester	None	K
Description: Students will learn skills involving self-awareness, effective communication, making good decisions, and improving their ability to get along with others. Students will explore employability skills, stress management, emotional regulation, mental health, and healthy vs. unhealthy relationships. Available to 9th-12th grade students. CTE				

Course	Credit	Length	Prerequisite	Schools Offering
Interior Design	1 credit per semester	1 semester	None	J-K
Description: Students will learn design principles and apply them to create function and beauty in their environment. Emphasis is placed on workplace skills, universal design elements, drawing floor plans and architectural features, and furniture arrangement. Available to 9th-12th grade students. CTE				
Fashion Design	1 credit per semester	1 semester	None	J-K
Description: Students will learn fashion history, basic design principles, and fashion sketching. The course encompasses the fashion design process from inspiration through production. As time allows, students will participate in basic sewing projects. CTE				
School Age Child Development Internship	1 credit per semester	1 semester	School Age Child Development 10th-12th grade	K
Description: Students participating in this internship will collaborate with CRCSD teachers in local elementary classrooms, gaining hands-on experience in teaching and education. Interns will assist elementary students with their learning while observing and studying the role of educators. As part of the course, students will complete weekly journals and reflections, connecting their classroom learning to real-world experiences. Available to 10th-12th grade students. Only one Child Development Internship may be taken per semester. Limited space is necessary due to having to place students in internships and perform site visits. Class capacity is recommended at 20. Application Process for this class with FCS Teacher Recommendation. CTE				
Early Childhood Development Internship	1 credit per semester	1 semester	Early Childhood Development 10th-12th grade	K
Description: Students participating in this internship will collaborate with teachers in local preschool classrooms, gaining hands-on experience in Early Childhood Education. Interns will assist young children with their learning and development while observing the role of educators. As part of the course, students will complete weekly journals and reflections, connecting their classroom learning to real-world experiences. Available to 10th-12th grade students. Only one Child Development Internship may be taken per semester. Limited space is necessary due to having to place students in internships and perform site visits. Class capacity is recommended at 30. Application Process for this class with FCS Teacher Recommendation. CTE				
Topics in Child Health and Development	1 credit per semester	1 semester	None	W
Description: This class covers children's health issues from conception through school age. CTE				
Leadership Development	1 credit per semester	1 semester	None	W
Description: A course designed to help students build essential leadership skills, including effective communication, team collaboration, goal-setting, and decision-making. Through hands-on activities, group projects, and real-world applications, students will develop the confidence and abilities needed to inspire others, manage challenges, and lead with integrity in school, work, and community settings. (by application/teacher nomination only) - Students can take the class twice ONLY with a recommendation from me (they would come back as a mentor based on their demonstrated leadership capacity). Application/nomination forms will be sent out to teachers the first week of November for Spring semester and the first week of March for Fall Semester CTE				
Personal Wellness	1 credit per semester	1 semester	None	W
Description: Emphasizes the importance of personal responsibility in health and wellness. Focuses on personal decision making in cardiovascular fitness, muscular fitness, nutrition and weight control, as well as aging and health. Reinforces improvement and maintaining quality of life through health and healthy decisions. Kirkwood Community College Course, Weighted Grade W, CC, CTE				
Intro to Health Occupations	1 credit per semester	1 semester	None	W
Description: Explore diverse aspects of healthcare and related careers, covering the evolution of the industry from past to present and looking forward to future advancements. Introduces key terms related to career clusters and outlines specific career pathways within each cluster. Offers comprehensive career insights, including required education and qualifications for various roles. CTE				

BUSINESS AND COMPUTER SCIENCE

Course	Credit	Length	Prerequisite	Schools Offering
Personal Finance	1 credit per semester	1 semester	None	J-K-W
<p>Description: Students learn important concepts regarding personal finances. Topics may include saving, investments, credit, housing, automobiles, insurance, and consumer rights. CTE</p>				
Concurrent Personal Finance	1 credit per semester	1 semester	11th and 12th Grade Students	K-W
<p>Description: This is a Kirkwood course. Students learn important concepts regarding personal finances. Topics may include saving, investments, credit, housing, automobiles, insurance, consumer rights, employee pay and benefits, filing federal income tax returns, budgeting, checking accounts and banking. Students will earn both high school and Kirkwood credit. CC, W</p>				
Sales and Marketing	1 credit per semester	1 semester	None	J-K-W
<p>Description: Sales and Marketing is an all encompassing look at today's business model and focuses on areas of study including, but not limited to: market planning, selling, promotion, distribution, pricing, marketing research and brand development. Students will also learn about human relations skills, job application procedures, how to succeed on the job and the sales, attitudes and techniques needed for success in sales. CTE</p>				
Introduction to Business	1 credit per semester	1 semester	11th and 12th Grade Students	K-W-M
<p>Description: In this course, students will be introduced to numerous business and management strategies in the areas of Marketing, Human Resources, and Finances. We will also explore different types and sizes of businesses. Students should be prepared for an interactive class that will include hands-on activities and group discussions. Students will earn both high school and Kirkwood credit. CC, W, CTE</p>				
Business Law 1	1 credit per semester	1 semester	11th and 12th Grade Students	J-W
<p>Description: Students learn the basics of the civil and criminal justice system, torts, contracts, bailments, and commercial papers. CTE</p>				
Accounting 1	1 credit per semester	1 semester	10th - 12th Grade Students	J-K-W
<p>Description: The students learn to analyze business transactions and make simple financial statements for a service-type, one-owner business. Students learn to record, classify and summarize business activities for a one-owner merchandising business. CTE</p>				

Course	Credit	Length	Prerequisite	Schools Offering
Accounting 2	1 credit per semester	1 semester	Accounting 1	J-K-W
Description: The students learn to analyze business transactions and make simple financial statements for a service-type, one-owner business. Students learn to record, classify and summarize business activities for a one-owner merchandising business. CTE				
Money Management	1 credit per semester	1 semester	None	J-K-W
Description: Students receive instruction in money management which includes employee pay and benefits, filing federal income tax returns, budgeting, checking accounts and banking. CTE				
AP Business with Personal Finance	2 credits per semester	2 semester	None but Introduction to Business is Recommended	K-W
Description: AP Business with Personal Finance is a yearlong course that aligns closely with a college-level introduction to business course. Students will explore the business disciplines of entrepreneurship, marketing, finance, accounting, and management through real-world business applications, case studies, and project based learning. In addition, students learn and apply all the National Standards for Personal Financial Education created by the Council for Economic Education and the Jump\$tart Coalition for Personal Financial Literacy. AP, CTE, W				
Entrepreneurship – How to Run A Business	1 credit per semester	1 semester	None	J-K-W
Description: Students will explore the process of owning a business. Topics include selecting a product or service to sell. Determining who the customers will be, learning how to market the business, obtaining financing, managing employees and more. CTE				
Marketing Education	1 credit per semester	2 semesters	10th – 12th Grade Students	K
Description: This course includes orientation to marketing education and Career Technology Student Organization (CTSO), human relations, business ethics, Internet, marketing, merchandising, sales promotion, display, marketing math, oral and written communication and entrepreneurship. CTE				
Video Game Marketing and Design	1 credit per semester	1 semester	None	K-W
Description: This exciting course exposes students to all aspects of promotion and marketing related to video games. It also exposes students to simple programming that they can use to understand and create their own video games. This course is open to all students but is especially well suited to any student seeking a career in business, marketing, computer software engineering or programming. CTE				
Advanced Video Game Marketing and Design	1 credit per semester	1 semester	Video Game Marketing and Design (10th – 12th Grade only)	W
Description: Students will exhibit advanced understanding of their game or mile application and present their project to their peers. CTE				
Sports and Entertainment Marketing	1 credit per semester	1 semester	10th – 12th Grade	J-K-W
Description: Students will explore the dynamic topic of sports and entertainment marketing. The basic functions of marketing are applied to this hugely popular subject. Students will evaluate marketing strategies used by successful sports and entertainment marketing firms, investigate Internet marketing, explore advertising and promotion as well as examine legal and ethical issues in the sports and entertainment field. In addition, students will complete a professional sports management simulation overseeing all aspects of the organization. CTE				

Course	Credit	Length	Prerequisite	Schools Offering
Real Estate Marketing	1 credit per semester	1 semester (spring semester only)	10th – 12th Grade	K
Description: This course helps students learn the basics of real estate sales and marketing. Working with local real estate agents in conjunction with the Student Built House, students learn real-life real estate marketing and sales concepts and skills. Students will utilize learning to design and implement a marketing plan for the Student Built House. CTE				
Computer Science 1	1 credit per semester	1 semester	Algebra 1 completion is recommended.	K-W-M
Description: This course is a fun introduction to computer programming using Scratch MIT, Alice and Mobile Application Development Software. No previous programming experience is required. CTE				
Computer Science 2	1 credit per semester	1 semester	Computer Science 1 is highly recommended but not required	W
Description: Students will continue to explore and create Mobile Applications for the Android Operating System (or other mobile operating systems upon instructor approval). In addition, students will learn Java programming and compilation. This is an ideal course for students planning on taking AP Computer Science the following year or studying computer science in college. CTE				
School-Based Enterprise	1 credit per semester	1 semester	None	K-W
Description: Students will be involved in the continued development and on-going operations of the student-run business. Students will learn customer service and selling skills in the classroom and develop & hone them while working in the store. In addition, students will spend time on developing product mix, price, and promotion using social media, email, and website design. Activities may include (but are not limited to): research and development, market & product planning, promotion, pricing, merchandising, selling, management, distribution, and financial analysis. Skills needed to be successful include: creative and logical thinking, timeliness, dependability, willingness to work as a team, effective communication, attention to detail, ethical behavior, and professional and mature demeanor when working with customers, advisors, and individuals in positions of authority. CTE				
Business Fundamentals	1 credit per semester	1 semester	None	K-W
Description: Students will explore an overview of the study of business. It will allow students to see and briefly experience all aspects, including Business Ownership and Entrepreneurship, Management and Organization, Human Resources, Marketing, Finance and Accounting. CTE				
AP Computer Science A (Java)	1 credit per semester	2 semesters	Algebra 2 Computer Science or Advanced Computer Science	K-W
Description: Students will exhibit advanced understanding of their game or mobile application and present their project to their peers. AP, W, CTE				
AP Computer Science Principles	1 credit per semester	2 semesters	Computer Science or Advanced Computer Science or Instructor approval	J-K-W
Description: AP Computer Science Principles introduces you to the essential ideas of computer science with a focus on how computing can impact the world. Along with the fundamentals of computing, you will learn to analyze data, information, or knowledge represented for computational use; create technology that has a practical impact; and gain a broader understanding of how computer science impacts people and society. AP, W, CTE				
Web Design Principles	1 credit per semester	1 semester	None	W
Description: Students will learn to use web authoring software to create and manage professional quality websites without the need for programming skills. Students will take an active part by researching and presenting group projects and working in teams to create and present a website. CTE				

Course	Credit	Length	Prerequisite	Schools Offering
Computer Essentials	1 credit per semester	1 semester	None	J
Description: This course covers the five main career paths in Information Technology. PC Hardware, Graphic Design, Web Page Design, Computer Networking and Computer Programming. Each will be covered in a fun exploratory manner. The students will produce, store, edit, retrieve, and print documents using word processing, database, spreadsheet, and desktop publishing applications with proper formatting and proofreading. They will also learn to use the Internet as a resource. CTE				
Computer Coding 1	1 credit per semester	1 semester	None	J-K
Description: This course is designed for students interested in the ever-growing field of computer coding. The language of computers is fast becoming a language for businesses and technology in the 21st Century. Students will be provided with hands-on learning experiences that will allow them to learn how to write computer code as they move through the curriculum. Students will learn a variety of coding languages as they develop their own applications. CTE				
Computer Coding 2	1 credit per semester	1 semester	Computer Coding 1	J-K
Description: This course is designed for students interested in advancing their skills in the ever-growing field of computer coding. The language of computers is fast becoming a language for businesses and technology in the 21st Century. Students will be provided with hands-on learning experiences that will allow them to write computer code as they move through the curriculum. Students will learn a variety of coding languages as they develop their own applications. CTE				
AP Cybersecurity	2 credits per semester	2 semesters	None	K-W
Description: This course offers a broad introduction to the field of cybersecurity and aligns closely with a college-level, introductory cybersecurity course. Students will learn about common threats and vulnerabilities, how they combine to create risks, and how individuals/organizations manage and mitigate risk through a defense-in-depth strategy. Students will explore specific vulnerabilities, attacks, mitigations, and detection measures across a variety of domains including physical spaces, computer networks, devices, and data and applications. Throughout the course, students will consider the impact of cybersecurity on individuals, organizations, societies, and governments. AP, W				

AP CAPSTONE

AP Capstone is built on the foundation of two courses – AP Seminar and AP Research and is designed to complement and enhance the in-depth, discipline-specific study provided through AP courses. It cultivates curious, independent, and collaborative scholars and prepares them to make logical, evidence-based decisions.

Course	Credit	Length	Prerequisite	Schools Offering
AP Seminar	1 credit per semester	2 semesters	Open to Juniors and Seniors	K
Description: AP Seminar is a foundation course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational, literary, and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in research-based written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision to craft and communicate evidence-based arguments. AP, W				
AP Research	1 credit per semester	2 semesters	AP Seminar	K
Description: AP Research, the second course in the AP Capstone experience, allows students to deeply explore an academic topic, problem, issue or idea of individual interest. Students design, plan, and implement a yearlong investigation to address a research question. Through this inquiry, they further the skills they acquired in the AP Seminar course by learning research methodology, employing ethical research practices, and accessing, analyzing, and synthesizing information. Students reflect on their skill development, document their processes, and curate the artifacts of their scholarly work through a process and reflection portfolio. The course culminates in an academic paper of approximately 4,000 – 5,000 words (accompanied by a performance, exhibit, or product where applicable) and a presentation with an oral defense. AP, W				

PACT

Course	Credit	Length	Prerequisite	Schools Offering
PACT Seminar	1 elective credit per semester	1 semester	None	K-W-CV
<p>Description: PACT Seminar provides students with opportunities to explore their interests and passions through the completion of long-term projects. Student projects mirror authentic, real-world problems that students can engage with and solve. The goal is to equip students with essential skills and knowledge vital for success, fostering critical thinking, collaboration, problem-solving, and effective communication. This course is open to high ability/PACT students. This course is repeatable Course number: SK5013 PACT Seminar and SK5014 PACT Seminar</p>				
How College Works	Kirkwood concurrent course	1 semester	None	K-W-CV
<p>Description: Explores individual strengths, strategies for solidifying personal responsibility, college readiness/academic success strategies, career readiness/vocational goals for students as they identify a college program or major. Emphasizes differences between high school and college expectations. Identifies appropriate career areas. Offers aids in taking and using placement tests for college admission and personal financial management. W, CC</p>				
Academic Decathlon	1 credit per semester	1 semester	None	J
<p>Description: A dynamic and inclusive course designed to promote academic excellence and personal growth among students of all achievement levels. Through challenging multidisciplinary content and team competitions, students develop critical thinking, collaboration, and communication skills. Guided by core values of inclusivity, integrity, and respect for diverse perspectives, the course fosters a love of learning and provides equal opportunities for all students to excel academically and grow personally.</p>				

ENGLISH LANGUAGE LEARNERS

For all ELL courses, students must have qualified for the ELL program.

Course	Credit	Length	Prerequisite	Schools Offering
ELL: Newcomers Language Arts	1 credit per semester (elective credit)	2 semesters	Corequisite: ELL Newcomers Literacy	J-K-W
<p>Description: This course is designed for English language learners who are brand new to English or have no prior knowledge of English whatsoever. Newcomers Language Arts focuses on vocabulary to help students find success in their new environment. Students work on developing skills in listening and reading comprehension appropriate for a high school age student who is new to the English language. Students are also learning to speak and write simple sentences in English.</p>				
ELL: LA Level 1	1 credit per semester (elective credit)	2 semesters	Corequisite: ELL Reading Skills	J-K-W
<p>Description: This course is for ELL students who are working to continue their English skills in reading, writing, listening and speaking. These students have typically completed Newcomers or have tested accordingly to be placed in Level 1.</p>				

ELL: LA Level 2 (Language Arts Credit)	1 credit per semester (Language Arts credit)	2 semesters	None	J-K-W-M
Description: This course is for ELL students who are working to continue their English skills in reading, writing, listening and speaking. These students have typically completed ELL Level 1 or have tested accordingly to be placed in Level 2. This course also counts as a Language Arts Credit.				
ELL: LA Level 3 (Language Arts Credit)	1 credit per semester (Language Arts credit)	2 semesters	None	J-K-W-M
Description: This course is for ELL students who are working to continue their English skills in reading, writing, listening and speaking. These students have typically completed ELL Level 2 or have tested accordingly to be placed in Level 3. This course also counts as a Language Arts Credit.				
ELL: LA Level 4 (Language Arts Credit)	1 credit per semester (Language Arts credit)	2 semesters	None	J-K-W-M
Description: This course is for ELL students who are working to continue their English skills in reading, writing, listening and speaking. These students have typically completed ELL Level 3 or have tested accordingly to be placed in Level 4. This course also counts as a Language Arts Credit.				
ELL: Advanced Writing (Language Arts Credit)	1 credit per semester	2 semesters	None	J-K-W-M
Description: This course is for ELL students who have not met exiting requirements to exit our ELL program. This is for students who have been enrolled in our ELL program for many years and have already completed ELL levels 4, but are not yet proficient in English. This course addresses the need to improve their reading and writing skills to move toward proficiency in English. This course also counts as a Language Arts credit.				
ELL: Newcomers Literacy	1 credit per semester (elective credit)	2 semesters	Corequisite: ELL Newcomers Language Arts	J-K-W
Description: This course is designed for English language learners who are brand new to English or have no prior knowledge of English whatsoever. Newcomers Literacy focused on phonics and beginning sounds and vocabulary of English. Students work on developing skills in reading, writing, listening, and speaking appropriate for a high school age student who is new to learning English. Students work to read beginning level texts in English.				
ELL: Reading Skills	1 credit per semester (elective credit)	2 semesters	Corequisite: ELL LA Level 1	J-K-W
Description: This course is designed for English language learners who have some experience with English but are still newer to English and may have completed Newcomers or this may be their second year of learning English. Reading Skills aims to teach students more phonics and decoding skills to help students read more fluently in English. This also starts to incorporate some elements of comprehension for texts within an appropriate level for English learners who are high school age and are developing their English literacy skills.				
Foundational Math Skills	1 credit per semester	2 semesters	None	J-W
Description: This course is designed for students who have entered high school and are not able to access or not adequately prepared for success with materials that align to Iowa Common Core Mathematics Standards for grades 9-12. The focus of this course is building the foundation necessary for success in high school level mathematics. The instruction will concentrate on the following: place value, estimation, whole number operations, fraction concepts, fraction operations, decimal operations, word problems, and calculator skills. The course will be appropriately differentiated to meet the educational needs of each student. Note: this course is for elective credit only; it does not meet the math graduation requirement. Course enrollments will be approved by CRCSD district ELL program lead.				

SPECIAL EDUCATION COURSES

Special Education courses are designed to support students whose Individualized Education Programs (IEPs) show that their learning or behavioral needs cannot be fully met in the general education classroom, even with targeted adaptations. Course enrollment decisions are carefully made by the IEP team, using multiple sources of data to determine the level and type of instruction needed.

Specially Designed Instruction (SDI): Some students receive Specially Designed Instruction (SDI), based on their individual needs. SDI can happen in general education classrooms, special education classrooms, or during flexible times like study halls. The school team decides where and when SDI happens. When SDI occurs during a flexible period, it provides extra support and does not count as a graded or credit-earning course.

Personalized Learning Lab

Personalized Learning Lab is an elective course that provides individualized, skill-based instruction to help students make progress on their IEP goals. Instruction may focus on areas such as reading, writing, mathematics, behavior, social-emotional learning, and transition skills that prepare students for success in school and adult life. This course is designed for students who need more targeted instruction than what is available in the general education classroom. (Elective Coursework – Skills Aligned to Iowa Academic Standards)

Behavior Focus Courses

These courses are offered in structured, supportive classrooms for students whose behavioral needs significantly interfere with learning in the general education classroom. Instruction remains aligned with the Iowa Academic Standards and general education curriculum. Core subjects are offered based on student needs and may vary each semester. (Core Coursework Aligned to Iowa Academic Standards)

Modified Core Courses

These courses provide small-group, specialized core instruction for students working toward grade-level standards and require additional time and support. Course titles may differ from general education offerings; however, instruction remains aligned with the Iowa Academic Standards and general education curriculum, and credits earned apply toward graduation requirements. (Coursework Aligned to Iowa Academic Standards)

Specialized Core Courses

These courses are for students with significant cognitive disabilities who participate in Iowa's Alternate Assessment, as determined by their IEP teams. Instruction is based on the Essential Elements of the Iowa Academic Standards, which are alternate achievement standards aligned to grade-level content. Learning focuses on the developing of academic, communication, functional, and transition skills needed for success in adult living, learning, and working. (Coursework Aligned to Iowa Academic Standards Essential Elements for Students with Significant Cognitive Disabilities)

Career Education Exploration

This course equips students with the skills required for successful, gainful employment while helping them discover their personal strengths and career interests. Students will identify their individual abilities and apply them to explore a range of career options through classroom instruction and community-based work experiences. As they complete job-related tasks with increasing independence, students will reflect on their performance and set goals for future career growth. This course aligns with 21st Century Skills standards.

STUDENT INVOLVEMENT OPPORTUNITIES

Students in the Cedar Rapids Community School District have many opportunities to become involved in their school community and learn many valuable skills.

Course	Credit	Length	Prerequisite	Schools Offering
Literary Magazine	½ credit per semester	1 semester	None	K-W
<p>Description: In this product-based learning environment, students will use critical thinking and discussion skills to evaluate literary elements and style to critique student-created literature and art. Students will learn and utilize an editorial process to determine what is published in the school literary magazine. Those with a creative side will also have the opportunity to submit work for consideration.</p> <p>Students can earn credit for this course, but the credit does not accumulate toward minimum elective credit needed for graduation.</p>				
Service Learning and Leadership	1 credit per semester	1 semester	None	J-K-W-M
<p>Description: In this service, oriented class students will develop leadership skills as they identify school and community needs and work with local agencies to address those needs. Students will complete service hours outside of the classroom setting as a requirement of this course. This course may be offered for only ½ credit at some schools. Ask your school counselor for more information.</p>				
Student Help Desk	1 credit per semester	Every other day during the semesters	None	J-K-W
<p>Description: The course will build students' experiences with information technology and repair of district owned technology hardware, and how to work in a customer service environment. This will be a field-based opportunity in order to allow students to do authentic work. Students will be able to determine potential solutions to solve simple hardware and software problems using common troubleshooting strategies, and develop guidelines that convey systematic troubleshooting strategies that others can use to identify and fix errors. Students will also enhance their ability to communicate and collaborate.</p>				
Study Skills for New AP and Kirkwood Concurrent Students	1 credit per semester	1 semester	None	K
<p>Description: This course is a one semester course geared towards students thinking of taking AP/ Kirkwood courses, or new to AP/Kirkwood courses. Students will learn brain-based learning, studying, and test taking techniques as well as gain a system of support from peers and staff.</p>				
Workplace Learning Connection Internship	1 credit per semester	1 semester	Application process for juniors and seniors	J-K-W
<p>Description: Internships provide CRCSD juniors and seniors an opportunity for career exploration, skill development, and earning dual credit through Kirkwood Community College. Students gain hands-on experience with local businesses and participate in professional development through WLC.</p>				

METRO HIGH SCHOOL

Metro’s educational program is designed to provide a variety of learning options to meet the Cedar Rapids School District’s graduation requirements. Our guiding philosophy is to provide a quality education to students that rival exterior challenges in their lives. We are respectful of diversity for individuals and groups, and teach the values of our democratic society. Kindness, respect, honesty, and cooperation are central to our success as a community of learners. Metro thrives on the potential to far exceed expectations and to produce learners and leaders, who refuse to be average, overcome obstacles, and blazing trails to make great impacts in our community and beyond.

In addition to the same core courses being offered at other high schools, Metro offers the following courses:

Course	Credit	Length	Prerequisite	Schools Offering
Community Based Art	1 credit per semester	1 semester	None	Metro
Description: This course focuses on the art making process, student collaboration and service learning through community-based art projects. Class projects will vary depending on the opportunities provided during any given term. Class projects may include collaborating with toddlers from Metro Child-care, or drawing with seniors. Students may also create artwork that will be displayed in the community, such as murals painting.				
Project Based 2-D	1 credit per semester	1 semester	None	Metro
Description: This course is for students who like to draw. Students will choose from a variety of themes and subject matter for each project. Students will experiment with different drawing, painting and mixed media techniques to create original artwork.				
Art and Technology	1 credit per semester	1 semester	None	Metro
Description: Students will be introduced to Adobe Photoshop and Illustrator to create unique pieces of artwork. Students will consider, select, apply, and evaluate a range of subject matter, symbols and ideas. Students will make connections between visual arts and other disciplines, careers and emerging technologies.				
Art in History	1 credit per semester	1 semester	None	Metro
Description: Students will develop an understanding and knowledge of diverse historical and cultural concepts of architecture, sculpture, painting and other media. Through a differentiated and layered curriculum, students will examine and critically analyze major forms of expression from the past and the present from a variety of cultures.				
Industrial Design and Digital Art	1 credit per semester	1 semester	None	Metro
Description: This is a co-taught elective credit course between art and industrial tech. This class is for students interested in computer generated art, graphic design and industrial design. Students will be introduced to a variety of different types of software to create digital drawings which will be used to create objects on the CNC machine, laser cutter and 3-D printer.				
Teen Issues - Women	1 credit per semester	1 semester	None	Metro
Description: This interdisciplinary elective course explores society, media, and history from women’s perspective using project-based, collaborative learning and creative options for goal-setting, personal reflection and assessment.				

Course	Credit	Length	Prerequisite	Schools Offering
Teen Issues - Men	1 credit per semester	1 semester	None	Metro
<p>Description: This interdisciplinary elective course explores society, media, and history from men's perspective using project-based, collaborative learning and creative options for goal-setting, personal reflection and assessment.</p>				
Environmental Science	1 credit per semester	2 semesters	None	Metro
<p>Description: This course is designed to develop an understanding of essential science concepts including properties of matter and living organisms. Scientific problem solving skills will be developed within the context of environmental science.</p>				
Environmental and Ecological Problems	1 credit per semester	1 semester	None	Metro
<p>Description: Environmental and Ecological Problems is a semester-long elective designed to investigate native organisms using basic ecological techniques. It is also designed to provide the student with an understanding of the ecological principles and environmental problems affecting natural and human systems. Outdoor work is required. Recommended for students interested in careers in agri-science and natural resources, or environmental technology.RAI, NCAA</p>				
Preparation to Graduate	1 credit per semester	1 semester	None	Metro
<p>Description: Graduating seniors engage in post-secondary preparation strictly designed for success after graduation. Course curriculum includes career development, continuing education process, employment skills, personal skills development, and independent skills development.</p>				
Geometry in Construction	1 credit per semester	2 semesters	Algebra 1	Metro
<p>Description: This Geometry course includes all content and standards delivered in a traditional Geometry course contextualized into a construction program. Students learn and use Geometry skills as they build construction projects, such as benches, tables, sheds, playhouses, etc. In addition, students learn valuable workplace skills as they work together to complete real-world project-based lessons and activities that provide a relevant, rigorous, and engaging experience for students.</p>				

Course	Credit	Length	Prerequisite	Schools Offering
AMPED on Algebra	1 credit per semester	2 semesters	None	Metro
<p>Description: This Algebra 1 course includes all content and standards delivered in a traditional Algebra 1 course. Students are taught through real-world, project-based lessons, labs, and activities to provide a relevant, rigorous, and engaging environment for students. Students operate a business, learn a variety of manufacturing and engineering techniques, and work with a variety of technology as they learn valuable Algebra skills.</p>				
Reading Workshop	1 credit per semester	1 semester (students can take this course more than once)	None	Metro
<p>Description: This course is for students who would like to develop their literary power through exploration of a variety of authors and genres. Students will develop a personal reading plan based on suggested book lists, targeted reading assessments, and instructor support to improve reading ability, comprehension, vocabulary, and demonstrate growth. Students will demonstrate and reflect on their reading growth through collaborative discussions, book talks, and written responses. RAI</p>				
Physical Science: Concepts in Chemistry	1 credit	1 semester	Algebra 1	Metro
<p>Description: This course meets the physical science requirement in chemistry for graduation. Chemistry may be taken in place of this course. This semester-long course will include: atomic structure, nuclear chemistry, periodic table patterns, chemical reactions, and thermochemistry. A combination of Chemistry, Physics, Concepts in Chemistry, and Concepts in Physics is required for graduation. RAI, NCAA</p> <p><i>A Chemistry course, Concepts in Chemistry, Chemistry, or Advanced Chemistry, is needed to meet the physical science requirement for graduation.</i></p>				
Physical Science: Concepts in Physics	1 credit	1 semester	Algebra 1	Metro
<p>Description: This course meets the physical science requirement in physics for graduation. Physics, Unified Physics, Advanced Physics, or AP Physics, may be taken in place of this course. This semester-long course will address physics-related physical science Iowa Core requirements, including energy, motion, gravity, light, waves, and electromagnetism. Scientific inquiry will be emphasized in this laboratory science course. A combination of Chemistry, Physics, Concepts in Chemistry, and Concepts in Physics is required for graduation. RAI, NCAA</p> <p><i>A combination of Chemistry, Physics, Concepts in Chemistry, and Concepts in Physics is required for graduation.</i></p>				
Earth Science	1 credit per semester	2 semesters	None	Metro
<p>Description: Earth Science is a year-long elective course that addresses the earth science Iowa core requirements. It includes topics in Geology, Climate Science, and Astronomy. It is designed to provide students with an understanding of the Earth's composition and history, the basic elements of climate and climate patterns, and the basic study of plants, stars, and other essential information about the universe. Human impacts are woven throughout the course. RAI, NCAA</p> <p><i>This course is required for graduation</i></p>				

CITY VIEW COMMUNITY HIGH SCHOOL

At City View Community High School, students graduate with more than a diploma. They leave with a portfolio of college credits, real-world projects, and professional experiences that prepare them for life beyond high school. Located at Kirkwood's Linn County Regional Center in Hiawatha, City View offers a community-embedded learning environment where students design personalized pathways to graduation, combining college coursework, internships, and hands-on projects connected to the local community.

Who Thrives at City View?

- Students who need flexibility due to family responsibilities, athletics, performing, or other personal circumstances.
- Students seeking rigorous or challenging coursework, including opportunities to earn college credit while in high school
- Students wanting a small, close-knit school environment with personalized mentorship.
- Students who are curious, creative, and motivated by hands-on, inquiry-based learning.
- Students who want individualized guidance from advisors and community mentors.
- Students who may not thrive in a traditional high school setting.

What Makes Us Different

- **Guaranteed Experiences:** Students engage in job shadows, internships, community projects, and can even earn college credit while in high school.
- **Personalized Pathways:** Courses—both online and in-person—are tailored to each student's goals, combining projects and real-world experiences.
- **Strong Community Connections:** Partnerships with local organizations provide students with the opportunity to tackle real-world challenges and make a meaningful impact.
- **Dedicated Mentorship:** Advisors and mentors provide guidance and support at every step, helping students grow academically, personally, and professionally.

District Partnerships

City View provides a complete high school experience while offering flexibility. Students can still participate in sports, band, choir, theater, and other co-curricular or extracurricular activities at their resident high school. Advanced coursework is encouraged through our partnership with Kirkwood, allowing students to challenge themselves and earn college credit.

City View Requirements

- All City View students are required to enroll in a minimum of one Kirkwood course per semester.
- All City View students must complete a 9-week internship each semester, or one 18-week internship per year.
- To ensure success in Kirkwood coursework, students must maintain a minimum 2.0 GPA, demonstrate ISASP proficiency in Math and English Language Arts, and show the ability to function independently in professional settings.
- Earn a minimum of 40+ credit hours and meet all CRCSD graduation requirements to graduate.

City View By the Numbers

- 100% of students enrolled in college courses through Kirkwood
- 255 college credits earned last semester
- \$56,000 in tuition savings for families
- 100% of students complete internships and community projects
- Average GPA in college coursework: 3.5

Course options subject to change based on instructor availability.










UPDATED October 2025

4 YEAR PLAN












CITY VIEW DIPLOMA WITH ASSOCIATE'S DEGREE

9th Grade

SEMESTER 1:











-  MARCHING BAND
-  ALGEBRA I
-  ELA 9/ADVANCED ELA 9
-  BIOLOGY/AP BIOLOGY
-  WORLD HISTORY/AP WORLD HISTORY
-  CITY VIEW ACADEMY/ADVISORY
-  SPANISH 1
-  HOW COLLEGE WORKS
-  JOB SHADOW EXPERIENCES

SEMESTER 2:










-  BAND
-  ALGEBRA I
-  ELA 9/ADVANCED ELA 9
-  BIOLOGY/AP BIOLOGY
-  WORLD HISTORY/AP WORLD HISTORY
-  CITY VIEW ACADEMY/ADVISORY
-  SPANISH 1
-  DIGITAL PHOTOGRAPHY
-  EXPLORING CAREERS
-  INTERNSHIP (MINIMUM 9 WEEKS)
-  PE WAIVER

10th Grade

SEMESTER 1:










-  MARCHING BAND
-  GEOMETRY
-  ELA 10/ADVANCED ELA 10
-  CONCEPTS IN CHEMISTRY
-  US HISTORY TO 1877
-  MYTHOLOGY
-  CITY VIEW ACADEMY/ADVISORY
-  SPANISH 2
-  INTERNSHIP (MINIMUM 9 WEEKS)
-  PE WAIVER

SEMESTER 2:









-  BAND
-  GEOMETRY
-  ELA 10/ADVANCED ELA 10
-  INTRO TO CHEMISTRY (WITH LAB)
-  US HISTORY SINCE 1877
-  ART APPRECIATION
-  CITY VIEW ACADEMY/ADVISORY
-  SPANISH 2
-  INTERNSHIP (MINIMUM 9 WEEKS)

11th Grade

SEMESTER 1:









-  MARCHING BAND
-  PERSPECTIVES IN LITERATURE
-  ALGEBRA II
-  INTRO TO PSYCHOLOGY
-  FUNDAMENTALS OF ORAL COMM
-  INTERMEDIATE SPANISH I
-  INTERNSHIP (MINIMUM 9 WEEKS)
-  CITY VIEW ACADEMY/ADVISORY
-  PE WAIVER

SEMESTER 2:








-  BAND
-  PERSPECTIVES IN LITERATURE
-  ALGEBRA II
-  SURVEY OF WORLD RELIGIONS
-  PRINCIPLES OF MICROECONOMICS
-  INTERMEDIATE SPANISH II
-  CITY VIEW ACADEMY/ADVISORY
-  INTERNSHIP (MINIMUM 9 WEEKS)

12th Grade

SEMESTER 1:

-  MARCHING BAND
-  AMERICAN GOVERNMENT
-  CONCEPTS IN PHYSICS
-  CITY VIEW ACADEMY/ADVISORY
-  COMPOSITION I
-  STATISTICS
-  ROBUST INTERNSHIP
-  PE WAIVER

SEMESTER 2:

-  BAND
-  CITY VIEW ACADEMY/ADVISORY
-  COLLEGE ALGEBRA WITH LIMITS
-  COMPOSITION II
-  ENVIRONMENTAL SCIENCE
-  INTRO TO POLITICAL SCIENCE
-  ROBUST INTERNSHIP

Graduation Credit Summary

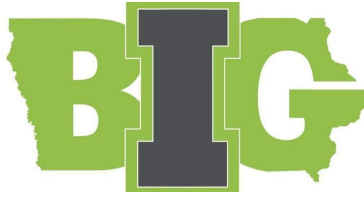
Total High School Credits

66

Total Kirkwood Semester hours

62

ADDITIONAL LEARNING OPPORTUNITIES



Iowa BIG is an innovative high school program open to any 10-12 enrolled Cedar Rapids high school students. Students may take both select core academic and elective courses through BIG. Students tap into their own passions and interests to take on community, business, or student-pitched projects where they learn and apply the Iowa Core standards tied to their coursework. Students work directly with community and business mentors and coaches as well as staff to build a strong resume of experiences and expertise for career and college preparation. Iowa BIG's hands-on, highly-contextualized learning model helps students become socially connected to their community and learn more about careers and businesses.

Students enrolled in BIG earn accredited course credits like any other high school course. Iowa BIG is a competency-based program. Competency-based learning operates under the premise that while it is important to "know" things, it is vital to be able to "do" things with that knowledge. BIG asks students to apply their learning in contextualized situations and master various skills over time. Students enrolled at BIG are responsible for learning and demonstrating the exact same standards as students in traditional courses. In addition, students gain important learning around 21st century concepts like: being resilient, learning from missteps, making quick adjustments, dealing with conflict, managing meetings, networking, and public speaking to name only a few.

Iowa BIG is a great option for students who might:

- ***Want to build a resume of experiences to help them stand out in competitive scholarships and applications***
- ***Be looking for a different way to engage in learning and school and enjoy designing, planning, building and meeting people***
- ***Have strengths that aren't recognized or measured in traditional school***

Iowa BIG is reserved for sophomores, juniors, and seniors and provides transportation to Iowa BIG. BIG has both AM and PM sessions, and students are encouraged to sign up for 3-4 credits and 1-2 blocks. All students will obtain a Work-Based Learning credit through Iowa BIG and will satisfy the state requirement. All students will also have the opportunity to earn an 'Innovative Leader Industry Recognized Credential' through their experiences at BIG.

*First-year BIG students are required to take Introduction to the Agile Mindset and second and third year students are required to take Advanced Agile Mindset. Agile is a project and team management approach used by over 70% of American businesses and organizations.

To learn more about Iowa BIG, please visit www.iowabig.org, on FaceBook, and Twitter and Instagram @iowabig. You can also reach out to Becky Herman at bherman@iowabig.org with questions.

COURSES

Key: *C = Core* *E = Elective courses*

Language Art Credits

Language Arts 10 (C)
Advanced Language Arts 10 (C)
US Humanities and Composition (C)
Perspectives in Literature and Composition (C)
Creative Writing

Art Credits

Art 101 (E)
Digital Art (E)
Digital Imaging (E)
Photography (E)
Illustrator (E)

Social Studies Credits

Economics (C)
Government (C)
Psychology (E)
Sociology (E)
US History (C)
Using Tech to Solve Social Issues (E)
Introduction to the Agile Mindset (E)
Advanced Introduction to the Agile Mindset (E)

Business Credits

Advanced Financial Decision Making (E)
Sales and Marketing (E)
Entrepreneurship (E)
Sports Marketing (E)

Computer Science Credits

Cybersecurity (E)
Video Game Development (E)

Course	Credit	Length	Prerequisite
Language Arts 10	1 credit per semester	2 semesters	LA 9 or Advanced LA 9
<p>Description: This course is designed to help students reach grade-level, Iowa Core College and Career Readiness Standards in Reading/Literature, Reading/Informational Text, Writing, Speaking and Listening, and Language. Students will learn close analytic reading skills in literary and informative texts; how to write argument, informative/explanatory, and narrative texts; how to support opinions in speaking and writing with specific details drawn from sources; and will study the rules and craft of language. Attention will be given to acquisition of academic vocabulary as well as deepened understanding of both general vocabulary and vocabulary related specifically to the study of language arts. RAI, NCAA, BIG</p>			
Advanced Language Arts 10	1 credit per semester	2 semesters	LA 9 or Advanced LA 9
<p>Description: This course is designed to help students reach grade-level, Iowa Core College and Career Readiness Standards in Reading/Literature, Reading/Informational Text, Writing, Speaking and Listening, and Language. Students will learn close analytic reading skills in literary and informative texts; how to write argument, informative/explanatory, and narrative texts; how to support opinions in speaking and writing with specific details drawn from sources; and will study the rules and craft of language. Attention will be given to acquisition of academic vocabulary as well as deepened understanding of both general vocabulary and vocabulary related specifically to the study of language arts. RAI, NCAA, BIG, ADV</p>			
Perspectives in Literature and Composition	1 credit per semester	2 semesters	LA 9 or Advanced LA 9 and LA 10 or Advanced LA 10
<p>Description: This course is designed to help students reach grade-level, Iowa Core College and Career Readiness Standards in Reading/Literature, Reading/Informational Text, Writing, Speaking and Listening, and Language. Students will study, explore, and contextualize recurring themes in texts from the United States and around the world to understand how they impact our work, community, and society. Literary work, will, for the most part, be selected from texts published since 1950 and will include fiction and non-fiction, print and non-print sources. Resources will include traditional academic and digital resources and a community of experts and practitioners. This course is competency-based, meaning students will be expected to demonstrate their understanding of the standards in contextual performances for authentic audiences. Students complete the course when they have adequately demonstrated their competence in the identified standards. RAI, NCAA, BIG</p>			
United States History	1 credit per semester	2 semesters	None
<p>Description: This course is required for graduation. AP United States History may be taken in place of this course. This course surveys United States history from 1900-present via a focus on inquiry and historical thinking skills embedded in the Iowa Core Social Studies Standards. It places emphasis on the evolution of political, social, and economic institutions. Additionally, the course examines diverse communities of people in American society in the context of a multicultural environment. This course emphasizes the development of critical learning and thinking skills. RAI, NCAA</p>			
US Humanities and Composition	1 credit per semester	2 semesters	LA 9 or Advanced LA 9 and LA 10 or Advanced LA 10
<p>Description: This course is designed to help students reach grade-level, Iowa Core College and Career Readiness Standards in Reading/Literature, Reading/Informational Text, Writing, Speaking and Listening, and Language. Students will apply reading and research, writing, speaking, and listening in authentic, real-world contexts to complete projects and tasks. Students will also explore literature, music, visual arts, and/or dance of the United States and see how it shapes our culture, influences perspectives and change, and tells the American story. Resources will include traditional academic and digital resources and a community of experts and practitioners. This course is competency-based, meaning students will be expected to demonstrate their understanding of the standards in contextual performances for authentic audiences. Students complete the course when they have adequately demonstrated their competence in the identified standards. RAI, NCAA, BIG</p>			

Course	Credit	Length	Prerequisite
Using Tech to Solve Social Issues	1 credit per semester	Up to 4 credits	None
<p>Description: This course provides students the opportunity to learn key principles in the design and application of technology to solve issues of social and community concern. Students will engage in projects and/or pursue solutions to compelling problems in order to apply their technology solutions. Development of 21st century and technology skills will be a strong focus of this course. This course is competency-based, meaning students will be expected to demonstrate their understanding of the standards and content of the course in contextual performances for authentic audiences. Students complete the course when they have adequately demonstrated their competence in the identified standards. BIG, W</p>			
Economics	1 credit per semester	1 semester	None
<p>Description: The basic economic questions regarding what to produce, how to produce, and for whom to produce in a world of limited resources are the focus of this course. Students engage in actual business and community projects and problems to apply their learning in contextualized situations. Microeconomic concepts are addressed such as demand, supply, market clearing price, as well as skills for effective participation in the marketplace. Macroeconomic concepts such as the measurement of economic goals and the effects of monetary and fiscal policy are also addressed. This course is competency-based, meaning students will be expected to demonstrate their understanding of the standards and content of the course in contextual performances for authentic audiences. Students complete the course when they have adequately demonstrated their competence in the identified standards. RAI, NCAA, BIG</p>			
American Government	1 credit per semester	1 semester	None
<p>Description: This course is required for graduation. AP United States Government and Politics may be taken in place of this course. This course presents a study of the structure and function of American government as established by the Constitution. The emphasis of this course is on the knowledge and behaviors necessary for effective citizenship within our community, state, nation, and world. Students engage in real business, community, and/or government projects to apply their understanding to real contexts to learn how government and politics look at the local, state, and national level and the effect political decisions and governmental actions have on various groups and entities. This course is competency-based, meaning students will be expected to demonstrate their understanding of the standards and content of the course in contextual performances for authentic audiences. Students complete the course when they have adequately demonstrated their competence in the identified standards. RAI, NCAA, BIG</p>			
Psychology	1 credit per semester	1 semester	None
<p>Description: The emphasis of this course is on the diversity of factors influencing motivation, development, structure, and behavior of human personalities. Students engage in real business, community, and/or government projects to observe and/or apply their understanding to real contexts to learn how human behavior and action effect work, outcomes, and human interactions. This course is competency-based, meaning students will be expected to demonstrate their understanding of the standards and content of the course in contextual performances for authentic audiences. Students complete the course when they have adequately demonstrated their competence in the identified standards. RAI, NCAA, BIG</p>			
Introduction to the Agile Mindset	1 credit per semester (Required for all 1st year BIG students)	2 semesters	None
<p>Description: The Agile Mindset and the tools and processes that support it are becoming standard practice in leading organizations across the country. Agile supports project teams to create both high-quality results and constantly improve as a team. Students will learn and practice the Agile Mindset and have a working knowledge of the supportive tools and processes. Students will focus on the four principles of the Agile Mindset: Make People Awesome, Make Safety a Prerequisite, Experiment & Learn Rapidly, and Deliver Value Continuously. Students will also practice and be assessed on the Universal Constructs (21st Century Skills) required by the Iowa Common Core. BIG</p>			

Course	Credit	Length	Prerequisite
Advanced Agile Mindset	1 credit per semester (Required for all 2nd and 3rd year BIG students)	2 semesters	Introduction to the Agile Mindset
Description: This course delves more deeply into the tools and processes of the Agile Mindset. Students will continue to hone their Agile skills through community-based projects and will exit this course with a strong grasp of the language and application of the Agile Mindset. Completion of the course should prepare students to pursue the various certifications offered through the Agile community, if so desired. Students will also practice and be assessed on the Universal Constructs (21st Century Skills) required by the Iowa Common Core. BIG			
Sociology	1 credit per semester	1 semester	None
Description: The emphasis of this course is on the ways in which human beings interact with the values, beliefs, norms, and institutions of a society. The manner in which individuals are socialized into a society is also explored. Students engage in real business, community, and/or government projects to observe and/or apply their understanding to real contexts to learn how interactions play out and affect people and outcomes. This course is competency-based, meaning students will be expected to demonstrate their understanding of the standards and content of the course in contextual performances for authentic audiences. Students complete the course when they have adequately demonstrated their competence in the identified standards. RAI, NCAA, BIG			
Advanced Financial Decision Making	1 credit per semester	1 semester	11th & 12th grade students
Description: This course introduces students to money management and personal finance tasks that students will use in everyday life. Students will learn how to earn money, manage money, make money grow, make sound purchasing decisions, and be a responsible user of credit. BIG, CTE			
Sales and Marketing	1 credit per semester	1 semester	10th - 12th grade students
Description: Students learn the seven steps of completing a sale, human relations skills, job application procedures, how to succeed on the job and in sales, attitudes and techniques needed for success in sales. BIG, CTE			
Entrepreneurship	1 credit per semester	1 semester	None
Description: Students will explore the process of starting and owning a business. Topics include customer discovery, product selection and development, and feasibility. Determining who the customers will be, learning how to market the business, obtaining financing, managing employees, and more. BIG, CTE			
Sports Marketing	1 credit per semester	1 semester	None
Description: Students will explore the world of marketing sports teams by interacting with local sports markets to learn the ins and outs of this slice of the entertainment industry. Students will learn how to promote sports teams, events, and products, leveraging sponsorships, media partnerships, and fan engagement. This will equip students with the skills to effectively market within this dynamic and fast-paced field while building key relationships in the community. BIG			
Cybersecurity	1 credit per semester	1 semester	10th - 12th grade students
Description: Students will be introduced to the fundamental concepts, tools, and practices of protecting digital systems and data from unauthorized access, damage or theft. We will also put together a team to participate in cyber competitions. BIG			

Course	Credit	Length	Prerequisite
Video Game Development	1 credit per semester	1 semester	None
Description: Students will explore the process of creating a video game. They will enter a game into a state-wide contest and will need to create the storyline, assets, backgrounds, sounds, etc. BIG			
Art 101	1 credit per semester	1 semester	None
Description: This course focuses on the basics of visual literacy, helping students create, analyze, and interpret art. Through hands-on collaborative projects with local artists/ organizations, how art communicates meaning and tells stories will be explored. They will learn the elements and principles of art to express ideas and contribute to community-focused projects, building creativity, critical thinking, and a deeper connection to the role of art in the world." Art 101 is a prerequisite for all art courses including AP Studio Art and Kirkwood dual credit courses. BIG			
Painting 1	1 credit per semester	1 semester	None
Description: This course helps students develop painting skills through hands-on projects that connect art to the community. Students will learn color theory and painting techniques inspired by lessons from art history. Collaborating with local artists and organizations, students will create meaningful works that explore real-world themes while understanding how compositional choices impact visual storytelling. BIG			
Photography 1	1 credit per semester	1 semester	Grades 10-12
Description: This course provides students exposure to photography techniques like aperture, shutter speed, and ISO while improving technical and compositional skills. Through hands-on projects and collaborations with local photographers/ community partners, they will create meaningful photo projects on real-world themes. Students will also develop critical thinking by critiquing their own work and others' photography. BIG			
Digital Art 1	1 credit per semester	1 semester	None
Description: This course teaches students to use technology for creative expression and visual communication. Through hands-on projects and collaborations with local artists/ organizations, students will improve composition and creative thinking skills. They will explore digital art techniques using tools like computers, Adobe software, and pen tablets, covering topics like graphic design, photo editing, motion graphics, and copyright. Projects will focus on real-world themes with community connections, preparing students for today's tech-driven world. BIG			
Digital Art II	1 credit per semester	1 semester	Digital Art 1
Description: In this advanced course, students expand their digital art skills through deeper exploration of design, storytelling, and professional creative practice. Building on the foundations of Digital Art I, they will tackle more complex projects involving branding, animation, digital illustration, and multimedia production. Students will collaborate with community partners or clients to create real-world visual content, applying design principles and project management strategies. Emphasis is placed on developing a personal artistic style, curating a digital portfolio, and understanding how digital media shapes culture and communication in today's world. BIG			
Illustrator I	1 credit per semester	1 semester	Grades 10-12
Description: This course introduces students to Adobe Illustrator for graphic communication. Through hands-on projects and community collaborations, students will learn basic drawing/ tracing techniques, creating line art, logos and simplification strategies, and creative use of type. Students learn how to set up color for reproduction and also how to save and manage files created using these programs, as well as how these files interact with page layout and paint (raster) programs. Projects will address real-world design challenges, preparing students for real world graphic design application. BIG			

CAREER ACADEMIES AT KIRKWOOD'S LINN COUNTY REGIONAL CENTER

Kirkwood partners with area high school districts to prepare students to learn essential skills and earn college credit through a variety of concurrent enrollment options. Credits earned through these partnerships count toward a student's high school diploma AND their future college degree – all at NO COST to the student or their family! The Career Academy programs or majors are specialized, supportive learning environments for high school students, designed around a college and career theme. They prepare students for post-secondary education and careers by offering a college-preparatory curriculum focused on a specific career theme, and often feature partnerships with employers, community organizations, and local colleges, providing access to resources and experiential learning opportunities. Academies consist of three or more courses in a career-focused series, where students learn alongside peers with similar career interests.

ADVANCED MANUFACTURING AND WELDING KIRKWOOD CAREER ACADEMY

This academy experience gives you the skills to weld and run the tech that keeps industries moving. You'll learn from people who've been in the field and know what it takes to get the job done right. Includes OSHA-10, NIMS Credentials, and AWS SENSE Certifications.

Course	Credit	Length	Prerequisite	Schools Offering
Introduction to Safety & Health of Welders (WEL-228)	1 credit per semester	1 semester (Fall Only)	None	J-K-W-M
Description: Provides an orientation to the welding profession, including basic safety and health within the welding profession. This is a Kirkwood class. W, CC, CTE				
Gas Metal Arc Welding Spray Transfer (WEL-245)	2 credits per semester	1 semester (Fall Only)	None	J-K-W-M
Description: 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. Prepares students to take an AWS welder certification test, which is recommended for its successful completion. This is a Kirkwood class. Must be taken at the same time as Introduction to Safety & Health of Welders (WEL-288) , CC, CTE				
Gas Metal Arc Welding Short Circuit Transfer (WEL-244)	2 credits per semester	1 semester (Fall Only)	None	J-K-W-M
Description: 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. Prepares students to take an AWS welder certification test, which is recommended for its successful completion. This is a Kirkwood class. Must be taken at the same time as Introduction to Safety & Health of Welders (WEL-288) W, CC, CTE				
Print Reading and Welding Symbol Interpretation (WEL-233)	3 credits per semester	1 semester (Fall Only)	Welding Mathematics (MAT-765)	J-K-W-M
Description: Provides instruction in interpreting elements of welding prints (drawings or sketches), focusing on measurement, American Welding Society welding symbols, and fabrication requirements. Focuses on preparing, assembling and tacking welding parts according to drawings or sketches, using proper materials and tools. This is a Kirkwood class. W, CC, CTE				
Gas Tungsten Arc Welding (GTAW) for Carbon Steel (WEL-215)	2 credits per semester	Semester (Spring Only)	None	J-K-W-M
Description: Focuses on proper weld safety, machine setup and welding techniques for Gas Tungsten Arc Welding. Prepares students to perform American Welding Society-compliant welds on carbon steel in flat, horizontal, vertical, and overhead positions. Qualifies students to take an AWS welder certification test, which is recommended for successful completion of this course. This is a Kirkwood class. Must be taken at the same time as Introduction to Safety & Health of Welders (WEL-288) W, CC, CTE				

Course	Credit	Length	Prerequisite	Schools Offering
CNC Mill Operator (MFG-173)	2 credits per semester	Semester (Spring Only)	None	J-K-W-M
Description: 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 is a Kirkwood class. W, CC, CTE				
CNC Lathe Operator (MFG-174)	2 credits per semester	Semester (Spring Only)	None	J-K-W-M
Description: 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 is a Kirkwood class. W, CC, CTE				
Introduction to Fabrication (WEL-208)	2 credits per semester	Semester (Spring Only)	Welding for Maintenance (WEL-267)	J-K-W-M
Description: Introduces hands-on fabrication basics used by welding industries. Covers layout, reading blueprints, applied math, cost estimation, jigs and fixtures, and introduction to shearing, bending, drilling, sawing, and other manufacturing processes associated with welding fabrication. This is a Kirkwood class. W, CC, CTE				

ALLIED HEALTH KIRKWOOD CAREER ACADEMY

Allied Health Careers Academy offers hands-on career exploration, engage with current healthcare professionals, learn the language of medicine, and earn relevant college credits for a variety of healthcare programs

Course	Credit	Length	Prerequisite	Schools Offering
Explorations of Health Careers (HSC-205)	3 credits per semester	Semester (Fall Only)	None	J-K-W-M
Description: Explorations of Health Careers (HSC-205) Explores multiple aspects of health care and careers in the health field. Covers the past, present and future of health care. Introduces key career cluster terms and career pathways within each career cluster. Provides career information, including education required for each area, educational costs to attain a degree versus expected career earnings, job descriptions, case studies, and skills needed for specific career areas. This is a Kirkwood class. W, CC, CTE				
Medical Terminology (HSC-115)	4 credits per semester	Semester (Fall Only)	None	J-K-W-M
Description: 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. This is a Kirkwood class. W, CC, CTE				
Basic Anatomy & Physiology (BIO-161)	3 credits per semester	Semester (Spring Only)	None	J-K-W-M
Description: Presents an overview of human form and function through lecture and laboratory. This is a Kirkwood class. W, CC, CTE				
Professionals in Health (HSC-107)	2 credits per semester	Semester (Spring Only)	None	J-K-W-M
Description: Presents skills and characteristics expected for professional preparation and employability. Provides an overview of the health industry as it relates to health and safety regulations. This is a Kirkwood class. W, CC, CTE				

PATIENT CARE EXPLORATION KIRKWOOD CAREER ACADEMY

The Patient Care Exploration Academy is perfect for students who are passionate about helping others and want to make a real difference in people's lives. In this academy, you'll work toward earning your Nurse Aide (CNA) certification. You'll gain real-world experience while exploring a wide range of healthcare careers, and you'll learn medical terminology. Includes CPR and Nurse Aide (CNA) Certifications.

Course	Credit	Length	Prerequisite	Schools Offering
Nurse Aide (HSC-168)	3.5 credits per semester	Fall and Spring Semester	None	J, K, W, M
Description: Required to meet the training requirements for nurse aides in long-term care facilities. Emphasizes achievement of a basic level of knowledge and demonstration of skills to provide safe and effective resident care. The course includes 30 hours of clinical experience in a long-term care facility, supervised by an RN. This is a Kirkwood class. W, CC, CTE				
Explorations of Healthcare Careers (HSC-115)	3 credits per semester	Fall and Spring Semester	None	J-K-W-M
Description: 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. W, CC, CTE				

PRE-MED, NURSING, AND PROFESSIONAL HEALTH CAREERS KIRKWOOD CAREER ACADEMY

These college credit classes give you a head start on understanding the building blocks of medicine and healthcare and how the body and mind function. You'll tackle rigorous, hands-on courses like Human Anatomy & Physiology that bring science to life through interactive labs and real-world simulations. High school Biology, preferably Anatomy and Physiology if offered, with a grade of B or higher, is strongly recommended.

Course	Credit	Length	Prerequisite	Schools Offering
Nutrition (BIO-151)	3 credits per semester	Semester (Fall Only)	None	J-K-W-M
Description: Demonstrates the relationship between sound nutrition and good health. Explores energy requirements, carbohydrates, lipids, proteins, vitamins, minerals, metabolism, physical exercise, dieting, weight problems, evaluation of nutritional claims, vegetarianism, and proper nutrition during pregnancy and lactation. This is a Kirkwood class. W, CC, CTE				
Human Anatomy & Physiology 1 (BIO-168)	4 credits per semester	Semester (Fall Only)	None	J-K-W-M
Description: Introduces the structure and function of the human body. Emphasizes organization at the cellular and tissue level, and selected organ systems. Reinforces concepts through laboratory activities in computer simulations, dissection, and/or human specimens. This is a Kirkwood class. W, CC, CTE				
Human Anatomy & Physiology 2 (BIO-173)	4 credits per semester	Semester (Spring Only)	Human Anatomy & Physiology 1 (BIO-168)	J-K-W-M
Description: Continues the study of human organ systems. Reinforces concepts through laboratory activities in computer simulations, dissection, and/or human specimens. This is a Kirkwood class. W, CC, CTE				
Fundamentals of Oral Communication (SPC-101)	3 credits per semester	Semester (Spring Only)	None	J-K-W-M
Description: Studies basic communication theory and practice, including communication process, interpersonal relationships, small group interaction, and public speaking. This is a Kirkwood class. W, CC, CTE				

PRE-NURSING WITH NURSE AIDE CERTIFICATION KIRKWOOD CAREER ACADEMY

Fast track into required pre-requisite coursework and Nurse Aide certification at Kirkwood Community College. Gaining hands-on experience with clinical hours in a long-term care facility. This program is designed for students who have successfully completed prior science coursework at the high school level and are ready for the rigor of Anatomy & Physiology, Nutrition, and clinical hours for Nurse Aide. High school Biology with a grade of B or higher is also strongly recommended.

Course	Credit	Length	Prerequisite	Schools Offering
Human Anatomy & Physiology 1 (BIO-168)	4 credits per semester	Semester (Fall Only)	None	J-K-W-M
Description: Introduces the structure and function of the human body. Emphasizes organization at the cellular and tissue level, and selected organ systems. Reinforces concepts through laboratory activities in computer simulations, dissection, and/or human specimens. This is a Kirkwood class. W, CC, CTE				
Nutrition (BIO-151)	3 credits per semester	Semester (Fall Only)	None	J-K-W-M
Description: Demonstrates the relationship between sound nutrition and good health. Explores energy requirements, carbohydrates, lipids, proteins, vitamins, minerals, metabolism, physical exercise, dieting, weight problems, evaluation of nutritional claims, vegetarianism, and proper nutrition during pregnancy and lactation. This is a Kirkwood class. W, CC, CTE				
Human Anatomy & Physiology 2 (BIO-173)	4 credits per semester	Semester (Spring Only)	Human Anatomy & Physiology 1 (BIO-168)	J-K-W-M
Description: Continues the study of human organ systems. Reinforces concepts through laboratory activities in computer simulations, dissection, and/or human specimens. This is a Kirkwood class. W, CC, CTE				
Nurse Aide (HSC-168)	3.5 credits per semester	Semester (Spring Only)	None	J-K-W-M
Description: Required to meet the training requirements for nurse aides in long-term care facilities. Emphasizes achievement of a basic level of knowledge and demonstration of skills to provide safe and effective resident care. The course includes 30 hours of clinical experience in a long-term care facility, supervised by an RN. This is a Kirkwood class. W, CC, CTE				

APPLICATION & SOFTWARE DEVELOPMENT KIRKWOOD CAREER ACADEMY

This program provides foundational skills that are in high demand and allows students to explore areas of technical expertise in the broad field of IT, covering things such as software development, cloud computing, application development, networking, data analysis, programming, and project management.

Coursework helps develop critical thinking and problem-solving skills that support a variety of software development and technology-driven careers.

Course	Credit	Length	Prerequisite	Schools Offering
Fundamentals of Web Programming (CIS-207)	3 credits per semester	Semester (Fall Only)	None	J-K-W-M
Description: Presents hypertext markup language and cascading style sheets for encoding Web pages. Introduces Server Side Includes and simple JavaScript for enhancing them. Emphasizes a structured approach to page layout, coding, and styling, exposing students to a variety of software tools. This is a Kirkwood class. W, CC, CTE				
Workplace Project-Based Learning: Information Solutions (WBL-146)	3 credits per semester	Semester (Fall Only)	None	J-K-W-M
Description: Focuses on the concept of project-based learning in the workplace through the incorporation of basic project management, team building, and soft skills. Develops and implements projects in cooperation with local businesses, community organizations, or non-profit agencies in the Information Technology employment sector. Students will construct projects under the supervision of a college faculty member. This is a Kirkwood class. W, CC, CTE				

Computer Concepts (NET-130)	3 credits per semester	Semester (Spring Only)	None	J-K-W-M
Description: Introduces the operation of computers from a hardware and software perspective. Teaches the basic elements of a computer system and develops troubleshooting skills for advanced courses. Covers system boards, storage drives, memory, power supplies, and software considerations (such as BIOS, drivers, and operating systems) necessary to understanding how computers work. Enhances and reinforces understanding of the material covered through low-level laboratory exercises. Offers A+ certification topics for the benefit of those who plan to take the CompTIA exam. This is a Kirkwood class. W, CC, CTE				
Introduction to Programming Logic (CIS-121)	3 credits per semester	Semester (Spring Only)	None	J-K-W-M
Description: Introduces students to basic computer programming ideas and foundational principles such as problem decomposition and step-wise refinement. Explores problem-solving using well-developed programming logic derived with pseudo code, flow charts, and related techniques. Focuses on translating student-developed solutions into simple programs for testing using an instructor-selected, high-level programming or scripting language. This is a Kirkwood class. W, CC, CTE				

ARCHITECTURE, CONSTRUCTION, AND ENGINEERING (ACE) KIRKWOOD CAREER ACADEMY

Enrolling in the ACE Academy is your chance to take the lead — turning blueprints into buildings and plans into reality. With demand for skilled trades growing fast, the architecture, construction, and engineering industries offer solid career opportunities, great pay, and the chance to build things that last. It's perfect for anyone who enjoys solving problems, working with people, and seeing projects come to life. Upon completion of the academy, students will earn the Construction Fundamentals Certificate and OSHA 10 Certification.

Course	Credit	Length	Prerequisite	Schools Offering
Construction Safety (CON-108)	1 credit per semester	Semester (Fall Only)	None	J-K-W-M
Description: Provides an introduction to job safety and best practices as they pertain to the construction industry. Achieves a general philosophy of safety awareness through the study of specific hazards and case studies. Navigates OSHA regulations and personal obligations within the construction industry. Receives the OSHA 10 Construction and Adult First Aid with CPR certifications upon completion of this course. This is a Kirkwood class. W, CC, CTE				
Workbase Learning: Industrial Tech (WBL-148)	2 credits per semester	Semester (Fall Only)	None	J-K-W-M
Description: Explains the concept of project-based learning in the workplace. Develops and implements projects in cooperation with local businesses, community organizations, or non-profit agencies in the Industrial Technology employment sector. Constructs projects under the supervision of a college faculty member. This is a Kirkwood class. W, CC, CTE				
Architectural Plans & Specs (CON-101)	3 credits per semester	Semester (Spring Only)	None	J-K-W-M
Description: Introduces the idea of scaled and technical drawings, including common graphic conventions. Teaches how to navigate, read, and interpret residential and commercial construction documents, including drawings, specifications, and shop drawings. Compares and contrasts residential and commercial documents. This is a Kirkwood class. W, CC, CTE				
Structures and MEP (CON-313)	3 credits per semester	Semester (Spring Only)	Architectural Plans & Specs (CON-101)	J-K-W-M
Description: Provides a fundamental knowledge of mechanical, electrical, and plumbing systems. Analyzes HVAC, lighting, plumbing, fire and security systems regarding their impact on building design, space planning, construction cost, and sustainable design. This is a Kirkwood class. W, CC, CTE				
Construction Lab (CON-190)	3 credits per semester	Semester (Spring Only)	Architectural Plans & Specs (CON-101) & Construction Safety (CON-108)	J-K-W-M
Description: Provides introductory construction lab experience in a project-based environment encompassing teamwork, communication, productivity, and technical skills required for success in the design and construction industries. Performs tasks associated with light wood frame, heavy timber, plastics, and composite framing systems. Addresses personal and environmental safety requirements. This is a Kirkwood class. W, CC, CTE				

AUTOMOTIVE TECHNOLOGY KIRKWOOD CAREER ACADEMY

In this academy experience, you'll get to work with cutting-edge technology and get under the hood of real cars. It's about knowing what to do when things go wrong and having the skills to make them right. From high-tech diagnostics to routine engine work, you'll be solving problems every single day. Upon completion of the academy, students will earn the Fundamentals of Automotive Technology Certificate and several other industry-recognized credentials, including ASE G1 certification. This academy experience requires a strict attendance policy in order to meet industry standards for certification.

Course	Credit	Length	Prerequisite	Schools Offering
Technical Lab I (AUT-888)	4 credits per semester	Semester (Fall Only)	None	J-K-W-M
Description: Simulated automotive repair environment. Learning activities include complaints, causes, and corrections to customer vehicles. Parts and labor calculations are also covered. This is a Kirkwood class. W, CC, CTE				
Industrial Math (MAT-715)	3 credits per semester	Semester (Fall Only)	None	J-K-W-M
Description: 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. This is a Kirkwood class. W, CC, CTE				
Automotive Suspension and Steering (AUT-402)	2 credits per semester	Semester (Fall Only)	Maintenance & Light Repair (AUT-100) or Technical Lab I (AUT-888)	J-K-W-M
Description: Introduces chassis fundamentals, including tire and wheel service. Focuses on front and rear chassis system principles and components. Teaches how to remove and replace steering and suspension components, and how to perform wheel alignment procedures. Reinforces theories in a practical hands-on application through lab activities. This is a Kirkwood class. W, CC, CTE				
Automotive Brake Systems (AUT-502)	2 credits per semester	Semester (Spring Only)	None	J-K-W-M
Description: Introduces automotive brake hydraulic system fundamentals. Covers brake system operation and servicing. Instructs how to machine rotors and drums and inspect disc/drum brakes. Reinforces theories in practical, hands-on classroom and lab exercises. This is a Kirkwood class. W, CC, CTE				
Automotive Heat & Air Conditioning (AUT-702)	2 credits per semester	Semester (Spring Only)	Maintenance & Light Repair (AUT-100) or Technical Lab I (AUT-888)	J-K-W-M
Description: Introduces HVAC fundamentals. Focuses on refrigerant identification, recovery/recycling, evacuation, recharging, and leak testing skills. Covers identifying components, operational theory, and servicing HVAC systems. Includes EPA 609 Technician Certification. Reinforces theories in practical, hands-on classroom and lab exercises. This is a Kirkwood class. W, CC, CTE				
Technical Lab II (AUT-889)	4 credits per semester	Semester (Spring Only)	Maintenance & Light Repair (AUT-100) or Technical Lab I (AUT-888), Automotive Electrical I (Aut-614), and Industrial Math (MAT-715)	J-K-W-M
Description: Continues to explore an automotive repair environment. Learning activities include complaints, causes, and corrections to customer vehicles. Parts and labor calculations are also covered. This is a Kirkwood class. W, CC, CTE				

BUSINESS KIRKWOOD CAREER ACADEMY

You'll explore entry-level courses in business, marketing, and management, giving you a broad look into the industry and how it all works.
This will give you a good foundation if you plan to continue studying the field after high school

Course	Credit	Length	Prerequisite	Schools Offering
Introduction to Business (BUS-102)	3 credits per semester	Semester (Fall Only)	None	J-K-W-M
<p>Description: 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. This is a Kirkwood class. W, CC, CTE</p>				
Principles of Marketing (MKT-110)	3 credits per semester	Semester (Fall Only)	None	J-K-W-M
<p>Description: Studies the process of planning and executing the conception, pricing, promotion, and distribution of ideas, goods, and services to create exchanges that satisfy individual and organizational goals. This is a Kirkwood class. W, CC, CTE</p>				
Human Relations in Management (MGT-145)	3 credits per semester	Semester (Fall Only)	None	J-K-W-M
<p>Description: 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. This is a Kirkwood class. W, CC, CTE</p>				
Principles of Macroeconomics (ECN-120)	3 credits per semester	Semester (Fall Only)	None	J-K-W-M
<p>Description: 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. This is a Kirkwood class. W, CC, CTE</p>				

CRIMINAL JUSTICE & HUMAN SERVICES KIRKWOOD CAREER ACADEMY

While criminal justice primarily deals with law enforcement, legal processes, and public safety, human services focus on helping individuals and communities overcome social, emotional, and economic barriers. This academy blends the two fields to explore foundational coursework and experiences for students exploring careers for police, probation and corrections, social work, youth and juvenile court-appointed advocacy, counseling, first responder, mental health, domestic violence and homelessness advocacy.

Course	Credit	Length	Prerequisite	Schools Offering
Introduction to Criminal Justice (CRJ-100)	3 credits per semester	Semester (Fall Only)	None	J-K-W-M
<p>Description: Provides an overview of the American criminal justice system and examines the process of justice administration through the agencies of law enforcement, courts and corrections. This is a Kirkwood class. W, CC, CTE</p>				
Introduction to Human Services (HSV-109)	3 credits per semester	Semester (Fall Only)	None	J-K-W-M
<p>Description: Introduces the value base of human services and evaluates problems that can be encountered in working with people when these values conflict with client needs. Introduces the framework of human services approach, specifically information of individual values, systems analysis, problem solving and conflict resolution. Concepts of systems analysis are accompanied by application of these concepts to problems. This is a Kirkwood class. W, CC, CTE</p>				
Health & Psychosocial Rehabilitation (HSC-282)	3 credits per semester	Semester (Spring Only)	Intro to Criminal Justice (HSV-109) or Intro to Criminal Justice (CRJ-100), AND Intro to Sociology (SOC-110) AND Social Problems (SOC-115).	J-K-W-M
<p>Description: Focuses on an overview of health, substance abuse, and mental health issues of individuals. Develops skills in identification, planning, assessment, treatment/interventions, and the development of social support systems and community resources. This is a Kirkwood class. W, CC, CTE</p>				
Police and Society (CRJ-111)	3 credits per semester	Semester (Spring Only)	Introduction to Criminal Justice (CRJ-100)	J-K-W-M
<p>Description: Examines police as part of society's official control apparatus. Studies police history, police role and organization, the making of a police officer, police behavior, stress, delivery of effective police services, and the future of law enforcement. Explores community-oriented policing philosophy and problem-oriented policing methods. This is a Kirkwood class. W, CC, CTE</p>				

DENTAL KIRKWOOD CAREER ACADEMY

This academy program introduces foundational coursework necessary to jump-start your degree and career pathway in the dental field, blending hands-on learning while learning the language of dental terminology, understanding dental nutrition, exploring dental anatomy and honing professional health skills

Course	Credit	Length	Prerequisite	Schools Offering
Dental Terminology (DEN-110)	2 credits per semester	Semester (Fall Only)	None	J-K-W-M
<p>Description: Enlists a comprehensive study of dental terminology for dental program preparation, career entry or review. Explains the composition of dental terms by exploring prefix, root combination and suffix divisions. Discusses common dental procedures, practices and disease processes. This is a Kirkwood class. W, CC, CTE</p>				
Professionals in Health (HSC-107)	2 credits per semester	Semester (Fall Only)	None	J-K-W-M
<p>Description: Presents skills and characteristics expected for professional preparation and employability. Provides an overview of the health industry as it relates to health and safety regulations. This is a Kirkwood class. W, CC, CTE</p>				
Dental Nutrition (DEN-220)	1 credit per semester	Semester (Fall Only)	Dental Terminology (DEN-110) or Human Anatomy Physiology I (BIO-168), AND Dental Terminology (DEN-120)	J-K-W-M
<p>Description: Studies the role of diet upon oral structures and application of the role of dietary analysis to the treatment plan of a dental patient. Emphasizes analysis of the complete diet and preventive recommendations. This is a Kirkwood class. W, CC, CTE</p>				
Dental Anatomy (DEN-120)	3 credits per semester	Semester (Spring Only)	None	J-K-W-M
<p>Description: Introduces students to basics of embryology, histology, terms and anatomy of the oral cavity including a detailed study of crown and root morphology of both primary and permanent dentition. This is a Kirkwood class. W, CC, CTE</p>				
Head and Neck Anatomy (DEN-130)	1.5 credits per semester	Semester (Spring Only)	None	J-K-W-M
<p>Description: Utilizes a systems approach to the gross anatomy of the head and neck with emphasis on the maxilla, mandible, oral tissues, neuromuscular and circulatory function, supporting structures and the temporomandibular joint. This is a Kirkwood class. W, CC, CTE</p>				
Microcomputer Literacy (BCA-179)	1 credit per semester	Semester (Spring Only)	None	J-K-W-M
<p>Description: Develops knowledge of multimedia and social media concepts by studying multimedia software components and social media platforms. Assessment projects are used by students for the demonstration of knowledge of multimedia elements. This is a Kirkwood class. W, CC, CTE</p>				

DIGITAL/VISUAL ARTS, SOCIAL MEDIA, AND MARKETING KIRKWOOD CAREER ACADEMY

Explore the world of Social Media, Marketing and the emerging technology tools that influencers and content creators are using. You'll uncover the strategies behind digital ads, content creation, and branding—all the tricks companies use to get your attention. These courses give you real, hands-on experience, teaching you how to build and engage with an audience, craft viral content, and create a brand.

Course	Credit	Length	Prerequisite	Schools Offering
Digital Photography (ART-186)	3 credits per semester	Semester (Fall Only)	None	J-K-W-M
<p>Description: Provides an understanding of the unique cultural and historic context of digital photographic technology. Develops familiarity and proficiency with digital cameras, computers, and printers. Studies technical and aesthetic issues in visual communication and digital image capture/presentation. This is a Kirkwood class. W, CC, CTE</p>				
Principles of Marketing (MKT-110)	3 credits per semester	Semester (Fall Only)	None	J-K-W-M
<p>Description: 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. This is a Kirkwood class. W, CC, CTE</p>				
Emerging Tech Trends (BCA-179)	3 credits per semester	Semester (Spring Only)	None	J-K-W-M
<p>Description: Develops knowledge of multimedia and social media concepts by studying multimedia software components and social media platforms. This is a Kirkwood class. W, CC, CTE</p>				
Social Media in Business (MKT-130)	3 credits per semester	Semester (Spring Only)	Principles of Marketing (MKT-110)	J-K-W-M
<p>Description: Outlines the fundamentals of social media marketing in business. Addresses strategies for integrating a solid social media plan with traditional marketing plans and/or organizational goals for utilizing social media, and determining the best social media platforms. This is a Kirkwood class. W, CC, CTE</p>				

EDUCATION KIRKWOOD CAREER ACADEMY

Explore the rewarding world of teaching while developing leadership, patience, and communication skills through hands-on experiences. Upon successful completion of the Education Academy, along with 10 hours of supervised experience in a K-12 classroom, students are able to test for the State of Iowa Paraeducator Generalist Certification.

Course	Credit	Length	Prerequisite	Schools Offering
Exploring Teaching (EDU-110)	3 credits per semester	Semester (Fall Only)	None	J-K-W-M
<p>Description: Introduces the rewards, challenges, roles and responsibilities of beginning teachers and paraeducators. Develops generic teaching skills applicable from preschool through high school. Utilizes microteaching to simulate actual teaching situations, and discusses common teaching problems through case studies. Includes 10 hours of hands-on service learning in a K-12 classroom. This is a Kirkwood class. W, CC, CTE</p>				
Introduction to Early Childhood Education (ECE-103)	3 credits per semester	Semester (Fall Only)	None	J-K-W-M
<p>Description: Provides a historical and philosophical foundation within the field of early childhood education. Includes an overview of assessment and evidence-based practices. Addresses the influences of family-centered practice, inclusion, culture and language. Explores early childhood careers. This is a Kirkwood class W, CC, CTE</p>				
Topics in Education (EDU-200)	1 credit per semester	Semester (Fall Only)	None	J-K-W-M
<p>Description: Provides an opportunity to study a current issue in education. Topics are selected from the following categories: teaching methods, learning theory, motivation and professionalism. This is a Kirkwood class. W, CC, CTE</p>				
Child Health, Safety, and Nutrition (ECE-133)	3 credits per semester	Semester (Spring Only)	None	J-K-W-M
<p>Description: Focuses on evidence-based concepts in the fields of health, safety and nutrition, and their relationship to the growth and development of the young child ages birth to eight. Blends current theory with problem solving, practical applications and assessments. Includes collaboration with families and assesses the role of culture, language and ability on health, safety and nutrition decisions in early childhood settings. This is a Kirkwood class. W, CC, CTE</p>				
Behavior Management (EDU-119)	3 credits per semester	Semester (Spring Only)	None	J-K-W-M
<p>Description: Develops research-based, effective, and respectful skills of prevention, observation, data collection, diagnosis, and change of the behavior of students in K-12 classrooms. Develops strategies for helping others manage their own behavior. Meets part of the requirement for the Iowa Paraeducator Generalist Certification. This is a Kirkwood class. W, CC, CTE</p>				

ADDITIONAL KIRKWOOD COMMUNITY COLLEGE COURSES AVAILABLE

Course	Credit	Length	Prerequisite	Schools Offering
Introduction to Accounting (ACC-111)	3 credits per semester	Semester	None	J-K-W-M
Description: Introduces accounting principles for non-accounting majors. Includes analyzing, classifying and recording business transactions. Emphasizes understanding the complete accounting cycle and preparing financial statements, bank reconciliations and payroll. W, CC, CTE				
ART History 2 (ART-204)	3 credits per semester	Semester	Art History 1 (ART-203)	J-K-W-M
Description: Introduces the history of art chronologically, from the Renaissance to the 21st century. Cultivates meaningful recognition of different styles, concepts, and concerns through an analysis of selected paintings, sculpture, architecture, and other mediums. Emphasizes the thematic issues prevalent in various time periods and geographic/cultural areas. Examines interpretation, concepts, theories, and comparison of styles and techniques through readings, visual presentations, lectures, and discussion. W, CC, CTE				
Computer Science Principles (Project Lead the Way) (CIS-450)	3 credits per semester	Semester	None	J-K-W-M
Description: Develops computational thinking, generates excitement for career paths utilizing computing, and introduces professional tools to foster creativity and collaboration. Develops programming expertise and explores the functionality of the Internet. Offers projects and problem-solving associated with computing, including application development, visualization of data, cybersecurity, and simulation. W, CC, CTE				
Personal Wellness (PEH-111)	3 credits per semester	Semester (Spring Only)	None	J-K-W-M
Description: Emphasizes the importance of personal responsibility in health and wellness. Focuses on personal decision-making in cardiovascular fitness, muscular fitness, nutrition, and weight control, as well as aging and health. Reinforces improvement and maintaining quality of life through health and healthy decisions. W, CC, CTE				
Introduction to Sociology (SOC-110)	3 credits per semester	Semester (Fall Only)	None	J-K-W-M
Description: 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. W, CC, CTE				
Intermediate Computer Business Applications (BCA-213)	3 credits per semester	Semester (Fall Only)	None	J-K-W-M
Description: Extends basic knowledge of Microsoft Word, Access, Excel, and PowerPoint. Demonstrates proficiency at the core level of the MOS (Microsoft Office Specialist) certification. W, CC, CTE				
Introduction to Entrepreneurship (MGT-300)	3 credits per semester	Semester (Fall Only)	None	J-K-W-M
Description: Examines the feasibility of a new business concept and the fundamentals of organizing a small business. Students measure their potential as entrepreneurs, identify business opportunities, examine entry strategies, understand the advantages and disadvantages of buying a business, and evaluate the value of that business. Focuses on realizing business strengths, weaknesses, opportunities, and threats. Implements the planning process through feasibility and business plans. W, CC, CTE				
Principles of Fashion Merchandising (APP-130)	3 credits per semester	Semester (Fall Only)	None	J-K-W-M
Description: Examines the apparel and textiles industry. Explores careers, terminology, fashion product life cycles, and industry practices. Provides instruction on how to develop portfolio artifacts for a student's chosen career. Participates in discussions with industry speakers. W, CC, CTE				

Course	Credit	Length	Prerequisite	Schools Offering
Principals of Sports Marketing (PEH-255)	3 credits per semester	Semester (Fall Only)	None	J-K-W-M
Description: Provides an overview of the theories and practices related to management and leadership in the fitness and sports industries. W, CC, CTE				
Survey of World Religion (REL-101)	3 credits per semester	Semester (Fall Only)	None	J-K-W-M
Description: Introduces the beliefs, values, and practices of several world religions. Explores the historical development of the traditions from their beginnings to today. Includes a study of some of the following: Native American traditions, Hinduism, Buddhism, Confucianism, Daoism, Shinto, Judaism, Christianity, and Islam. W, CC, CTE				
Workplace Project-Based Learning: Bus, Fin, Mkt & Mgt (WBL-145)	3 credits per semester	Semester (Fall Only)	None	J-K-W-M
Description: Teaches the concept of project-based learning in the workplace by developing and implementing projects in cooperation with local businesses, community organizations, or non-profit agencies in the Business, Finance, Marketing, and Management employment sectors. W, CC, CTE				
Educational Psychology (EDU-240)	3 credits per semester	Semester (Spring Only)	Intro to Psychology (PSY-111)	J-K-W-M
Description: Applies psychological concepts to the field of education. Major focus is on cognitive, behavioral and humanistic theories. Areas of emphasis include child and adolescent development, learning theory, memory, motivation, intelligence, instruction and measurement. W, CC, CTE				
Human Biology (BIO-154)	3 credits per semester	Semester	None	J-K-W-M
Description: Examines how human form and function work together to maintain homeostatic balance, and how dysfunctions can lead to disease processes. Explores fundamental biological principles as they apply to the human body. W, CC, CTE				
Statistics (MAT-156)	3 credits per semester	Semester (Spring Only)	Survey of Data (MAT-607), Intermediate Algebra (MAT-102), or Mathematics and Society (MAT-115), or a qualifying placement score.	J-K-W-M
Description: 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 means and proportions, and applications to business and other fields. W, CC, CTE				
Cultural Anthropology (ANT-105)	3 credits per semester	Semester	None	J-K-W-M
Description: Explores what it means to be human. A comparative, holistic study of group life in various cultures is undertaken. Selected aspects of physical and cultural anthropology perspectives provide the basis for these cross-cultural examinations. W, CC, CTE				

IOWA JOBS FOR AMERICA'S GRADUATES (IJAG) PROGRAM

The iJAG (Iowa's Jobs for America's Graduates) elective course focuses on Seven Essential Constructs: Career Readiness, Character and Self Development, Communication and Technology, Critical Thinking and Productivity, Life Skills, Self Advocacy and Conflict Resolution, and Work Based Learning. Lessons and activities are student-centered, using project-based learning (PBL) as the mode of instruction, with a Trauma Informed Care Approach. iJAG's interactive class has a student-led Career Association where students focus on careers, leadership, and social and civic responsibility. Students will participate in state-wide conferences with an opportunity to attend national conferences showcasing their talents in competitions involving careers and employment opportunities. iJAG students are given the opportunity to experience work-based learning through job shadowing, internships, apprenticeships and on-the-job-training. The iJAG class will support young leaders to find their passion and purpose through individualized planning and then connect them with the resources they need to move into the workforce and thrive.

*Additionally, seniors will receive 12 months of school-to-work follow-up services after high school.

GRADE LEVELS: 9/10, 11/12

CATEGORY: Elective

SCHOOLS OFFERED: Jefferson & Washington

PREREQUISITE: None

LENGTH: 1 Academic Year (2 semester)

Please contact your school guidance counselor for more information about this program and class offerings.



Non Discrimination Policy

It is the policy of the Cedar Rapids Community School District not to discriminate in educational programs and/or activities on the basis of race, creed, color, gender, sex, sexual orientation, marital status, gender identity, socioeconomic status, national origin, religion, disability, age (except for permitting/prohibiting students to engage in certain activities) or genetic information and in employment opportunities on the basis of age, race, creed, color, gender, sex, sexual orientation, gender identity, national origin, religion, disability or genetic information. There is a grievance procedure for processing complaints of discrimination. If you have questions or a grievance related to this policy, please contact Darius Ballard, Educational Leadership and Support Center, 2500 Edgewood Rd NW, Cedar Rapids, IA, (319) 558-2000. Updated 6/2023