

2017-2018

CLOUD COUNTY CATALOG



Degree & certificate requirements | Student information, services, & policies | Program & course descriptions

CLOUD COUNTY COMMUNITY COLLEGE

Concordia • Geary County • Online & Outreach

www.cloud.edu • 800.729.5101



CLLOUD COUNTY COMMUNITY COLLEGE

CONCORDIA CAMPUS

2221 Campus Drive
Concordia, Kansas 66901
785-243-1435
1-800-729-5101

GEARY COUNTY CAMPUS

631 Caroline
Junction City, Kansas 66441
785-238-8010

WWW.CLOUD.EDU

CATALOG 2017-2018



Cloud County Community College is accredited by The Higher Learning Commission, a commission of the North Central Association of Colleges and Schools, 230 South LaSalle Street, Suite 7-500, Chicago, IL, 60604, 800-621-7440.

Cloud County Community College operates under the authority of the Kansas Board of Regents, 1000 SW Jackson St., Suite 520, Topeka, KS, 66612-1368, 785-296-3421.

The information contained in this publication is subject to change at anytime without notification.

Per veterans requirements: The College certifies that content and policies outlined in the 2017-2018 catalog are true and correct to the best of our knowledge.

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Academic Calendar • 2017-2018

FALL SEMESTER, 2017

Aug 3	Outreach Instructor In-Service - Concordia
Aug 10	GCC Adjunct Faculty In-Service
Aug 14-18, 21	Faculty Contract Days
Aug 17	Student Services Day - GCC
Aug 19	Move-In Day - Concordia
Aug 20	Move-In Day - Concordia
	New Student Orientation - Concordia
Aug 21	New Student Orientation (Con't) & Student Services Day - Concordia / New Student Orientation - GCC / Faculty Contract Day
Aug 22	Classes begin - All campuses (Full Session & First Session)
Sep 2	No Saturday classes
Sep 4	Labor Day - COLLEGE CLOSED - No classes (all locations)
Oct 9-13	Mid-Term Exams for Full Session Classes
Oct 10-11	Final Exams - 1st Session
Oct 12	First Session ends
Oct 16	In-Service - No Classes (All locations)
Oct 18	2nd Session begins
Nov 10	Veterans Day Observed - COLLEGE CLOSED - No classes (all locations)
Nov 22-24	Thanksgiving Break - COLLEGE CLOSED - No classes (all locations)
Nov 25	No Saturday classes
Dec 8-9	Final Exams (Fri or Sat classes only)
Dec 11-14	Final Exams for Full & 2nd Session Classes
Dec 15	Faculty Contract Day
Dec 21-Jan 2	Winter Break - COLLEGE CLOSED - No Classes (all locations)

INTERTERM, 2017-2018

Dec 16, 18-20	8:00 a.m. - 1:00 p.m.
Jan 3-6	8:00 a.m. - 1:00 p.m.

SPRING SEMESTER, 2018

Jan 8-12, 16	Faculty Contract Days
Jan 9	Adjunct Faculty In-Service - GCC
Jan 11	Student Services Day - GCC
Jan 15	Martin Luther King Jr. Day - COLLEGE CLOSED
Jan 16	Student Services Day - Concordia/ New Student Orientation - GCC/ Faculty Contract Day
Jan 17	Classes begin - All Locations (Full Session & First Session)
Feb 19	President's Day - COLLEGE CLOSED - No classes (all locations)
Feb 20	In-Service - No classes (all locations)
Mar 5-9	Mid-Terms - Full Session
Mar 7-8	Final Exams - 1st Session
Mar 12	Second Session Begins
Mar 19-24	Spring Break - No classes (all locations)
Mar 30	Good Friday - COLLEGE CLOSED - No classes (all locations)
Mar 31	No Saturday classes
May 7-10	Final Exams (Full & 2nd Session Classes)
May 11	Commencement - 7 p.m. at Concordia for all graduates
May 14	Faculty Contract Day
May 28	Memorial Day - COLLEGE CLOSED - Concordia & GCC

Academic Calendar • 2017-2018

SUMMER SESSION, 2018 (Classes held Monday-Thursday)

May 29	Summer School begins - (Full & 1st Session)
Jun 27	Last Day for Summer Session I
Jul 2	Summer School begins - (2nd Session)
Jul 4-5	Independence Day - COLLEGE CLOSED - No classes (all locations)
Aug 2	Last Day for Summer School - (Full & 2nd Session)



Cloud County Community College prepares students to lead successful lives and enhances the vitality of our communities.

General Information

LOCATION

The Concordia campus of Cloud County Community College is located at the south edge of Concordia. The campus of the college blends into the rolling topography of North Central Kansas. Nestled in the Republican River Valley, Concordia, served by U.S. Highway 81, is within easy driving distance of Salina, Manhattan, Junction City, Hays, Topeka, and Wichita. U.S. Highways 36, 24, and Interstate 70, along with Kansas Highway No. 9, provide easy access to Concordia. The city, with a population in excess of 6,000, offers many services and activities normally found only in much larger communities. Excellent medical facilities and churches contribute to the physical and spiritual welfare of the community.

The Geary County Campus (GCC) is housed in a modern multi-building site located in western Junction City amidst an area of growth and city expansion. The Campus provides a full curriculum of course and degree programs designed to transfer to other colleges and universities, as well as ones focused on career preparation. GCC offers daytime, evening, weekend, and Internet course schedules, along with extra-curricular activities in a personal, friendly environment. The Campus is easily accessed from Highways 77 and 18, or Interstate 70, via exit 295, and is a short drive from Manhattan, Abilene, Salina, and Herington. It is presently non-residential, but with ample housing conveniently located nearby. Scholarships, tuition assistance and payment plans are available for qualified students.

HISTORY OF THE COLLEGE

The College was established as the Concordia Junior College in 1965 as a part of the Concordia Public Schools. Classes first met on February 8, 1965, using the Concordia School facilities.

On July 1, 1965, the Concordia Junior College became a member of the state system of community colleges under the name Cloud County Community Junior College. Classes began in the Commons in the fall of 1968. The College is now known as Cloud County Community College.

Four buildings called the Commons, grouped together on three levels, are connected by a central Library. Additionally Tech West, which houses the Nursing Department and the Child Care Center; a greenhouse; and 15 campus apartment buildings comprise the campus.

The Grandview Plaza attendance center in Junction City was opened in 1994 to better meet the needs of the population of the southeastern portion of Cloud's service area. In January 1998, the College opened the Geary County Campus on a site in the western part of Junction City. The campus is composed of three new buildings, and offers a full range of academic programs and student support services. The Geary County Campus is an integral part of Cloud County Community College, although its campus is distinguished by its own architecture and campus plan.

CONCORDIA LANDMARKS

The famous Brown Grand Theatre, now restored to its original splendor, is the cultural center of Concordia. Live entertainment, including music, plays and concerts are held there. The Brown Grand Players and the Community Concert Association welcome student membership and participation. The Frank Carlson Library

offers a pleasant atmosphere for reading, study and research. The National Orphan Train Museum is located in the fully restored Union Pacific Depot, and offers a look into the history of the Orphan Train movement.

MISSION STATEMENT

Cloud County Community College prepares students to lead successful lives and enhances the vitality of our communities.

Guiding Values

Success

Students are our central focus, and we strive to see every student succeed.

"We champion individual success"

Excellence

We deliver forward thinking programs of study as well as industry-best practices that reflect the highest academic standards.

"We are committed to excellence"

Service

We make a positive difference in the lives of our students, community members, and each other through meaningful relationships.

"We make a difference"

Integrity

We uphold the highest standards of ethics and public stewardship.

"We do what is right"

Diversity

We encourage active citizenship and embrace the diversity of people and ideas.

"We are better together"

Accessibility

We provide the best value for a high quality, holistic education.

"We ensure every student has opportunities"

Sustainability

We promote renewable energy as well as sustainable lifestyles in our changing world.

"We are Black, Gold, and Green"

NOTICE OF NONDISCRIMINATION

Cloud County Community College does not discriminate on the basis of race, religion, color, national origin, sex, age, disability, or ancestry in admission to, access to, treatment of, or employment in, its programs and activities. If you have questions, please contact the Section 504 coordinator at 2221 Campus Drive, Concordia, KS 66901 or at (785) 243-1435, ext 251 or 800-729-5101.

ACCOMMODATION FOR DISABILITY

Academic: If academic adjustment is needed for any type of disability, students should contact the Director of Advisement and Retention Services, located in The Advisement Center. Students requiring auxiliary aids and services need to request accommodation six to eight weeks in advance of the start of the semester.

Other than Academic: If special arrangements are needed for accessibility, contact the Vice President for Administrative Services at least 72 hours in advance.

General Information

Emergency Evacuation: Students desiring assistance during emergency evacuations will need to complete a registration form each semester in the Advisement Center on the Concordia Campus or the Student Services Office on the Geary County Campus.

ACCREDITATION

Cloud County Community College is accredited by the Higher Learning Commission, a commission of the North Central Association of Colleges and Schools, 230 South LaSalle Street, Suite 7-500 Chicago, Illinois, 60602, or (800) 621-7440.

TOBACCO-FREE FACILITY

Smoking and tobacco usage, in all forms, is not allowed within college-owned buildings or college-leased or rented facilities, and public areas. Tobacco usage is defined as the burning, chewing, or any other method of inhaling or otherwise consuming any natural tobacco or tobacco-derived products through the use of, but not limited to: cigarettes (clove, bidis, kerteks), electronic cigarettes, cigars and cigarillos, hookah-smoked products and oral tobacco (spit and spitless, smokeless, chew, snuff).

These indoor and public areas where tobacco usage is not allowed include, but are not limited to: restrooms, all campus buildings, college-owned housing, private offices, vestibules, entrances, exits, stairwells, college-owned vehicles and the college sports fields.

Tobacco use outdoors is limited to areas that are 20 feet from entrances and exits, providing doors, windows, and air intake vents are closed. If the building has an overhang, the 20-foot radius is measured from the outside perimeter of the overhang. Appropriate receptacles will be placed in these tobacco usage areas.

This policy applies to all faculty, staff, students, and any persons who visit, rent, or lease College premises.

STUDENT EDUCATIONAL RECORDS - RIGHTS OF PRIVACY (FERPA)

Cloud County Community College complies with the Family Education Rights and Privacy Act of 1974 (FERPA). FERPA is a Federal law that protects the privacy of student education records. The law applies to all schools that receive funds under an applicable program of the U.S. Department of Education.

FERPA gives the student certain rights with respect to their education records. These rights begin when the student enrolls at Cloud County Community College. Students to whom the rights have transferred are “eligible students.”

- Eligible students have the right to inspect and review their education records. The College will not provide copies of student records unless it is impossible for eligible students to review the records for reasons such as great distance. The College will charge for copies based on Board Policy B6.
- Eligible students have the right to request the College correct records that they believe to be inaccurate or misleading. This request must be in writing to the Registrar. If the College decides not to amend the record, the eligible student then has the right to a formal hearing. The hearing will be scheduled within 10 working days following the student request, in writing, to hold the hearing. The hearing will be with the Registrar, College vice presidents, and

the president. After the hearing, if the College still decides not to amend the record, the eligible student has the right to place a statement within the record setting forth his or her view about the contested information.

- The College must have written permission from the eligible student in order to release any non-directory information from a student’s education record. However, FERPA allows the College to disclose those records, without consent, to the following parties or under the following conditions (34 CFR § 99.31):

- School officials with legitimate educational interest;
- Other schools to which a student is transferring;
- Specified officials for audit or evaluation purposes;
- Appropriate parties in connection with financial aid to a student;
- Organizations conducting certain studies for or on behalf of the school;
- Accrediting organizations;
- To comply with a judicial order or lawfully issued subpoena;
- Appropriate officials in cases of health and safety emergencies; and
- State and local authorities within a juvenile justice system pursuant to specific State law.

The College may disclose, without consent, “directory” information. Directory information is limited to:

- Name
- Address(es)
- Telephone number(s)
- Email address(es)
- Dates of attendance
- Classification (freshman, sophomore, etc.)
- Enrollment status (full-time, half-time, etc.)
- Class type (day, evening, etc.)
- Previous institution(s) attended
- Major field(s) of study
- Awards, honors (includes Honor Roll)
- Degrees conferred (including dates)
- Past and present participation in officially recognized sports and activities
- Physical factors (height, weight of athletes)

Students may withhold free disclosure of Directory Information (on all or none basis) to non-institutional persons or organizations. Students have the option to protect their privacy and not have such information as address and telephone number released. A written request to withhold this information should be submitted to the Office of Student Records. Otherwise, the College assumes you approve of disclosure of that information. Requests will be honored for only one academic year; therefore, requests to withhold Directory Information must be filed annually.

FERPA release forms are available through iCloud, from the Advisement Center on the Concordia Campus, and Student Services on the Geary County Campus. Completed FERPA forms may be submitted to the Advisement Center on the Concordia Campus or Student Services on the Geary County Campus. The signed FERPA releases are maintained in the official student record in the Office of Student Records.

Admissions

ADMISSION REQUIREMENTS

A student wishing to be admitted to Cloud County Community College must meet one of the following requirements:

- A graduate of an accredited high school
- A recipient of a general educational development (GED) diploma
- A high school sophomore, junior or senior student with written permission from the high school principal
- A high school freshman enrolled in a recognized gifted program with an IEP and with written permission from the high school principal.

Applicants who do not meet any of the above requirements should seek admission as a special student.

Cloud County Community College reserves the right to deny a student admission or readmission if it is determined to be in the best interest of the college community to do so, or if the College is unable to provide the services, courses, or program(s) needed to assist the student in meeting educational objectives.

Special Student Status

Applicants who do not meet one of the above requirements will be admitted with “special student” status and are considered non-degree seeking students. Special student status may be changed to degree seeking status upon graduation from an accredited high school, successful completion of a GED examination, or completion of 6 hours of college credit that are applicable to a degree or certificates offered by Cloud County Community College with a minimum GPA of a 2.0. A student admitted as a special student will not be eligible for federal financial aid and must follow all college regulations, pay all fees, attend class, and maintain satisfactory progress.

ADMISSION PROCEDURES

New Students

Students applying for admission to Cloud County Community College who have not completed previous coursework with the College should follow these steps:

1. Complete and submit an application for admission and return to the Admissions Office on either campus. Applications are available at any CCCC site, or online at www.cloud.edu.
2. Request an official high school transcript, including final grade and graduation date, or GED examination results to be directly sent to the Admissions Office, 2221 Campus Drive, Concordia, KS 66901. Students enrolling at the Geary County Campus should have these documents sent to: Geary County Campus, 631 Caroline Avenue, Junction City, KS 66441.
3. Request official transcripts from all previously attended post-secondary institutions be directly sent to Admissions Office, 2221 Campus Dr., Concordia, KS 66901. Students enrolling at the Geary County Campus should have these documents sent to: Geary County Campus, 631 Caroline Avenue, Junction City, KS 66441.
4. Transcripts of college credit earned prior to attendance at Cloud County Community College will be evaluated in their

entirety. All transfer credit will be converted to the semester-hour system.

5. Submit ACT, Accuplacer, or SAT scores (Accuplacer testing is available through the CCCC Advisement Center and the Geary County Campus.

Official transcripts must be received to complete the student file or further enrollment may be denied.

All students who are using Federal Financial Aid must have all previous college transcripts submitted and evaluated for Satisfactory Academic Progress before aid will be awarded and disbursed. Official high school transcripts or GED examination results must be received before any Federal Financial Aid will be disbursed.

ACT, Accuplacer or SAT scores are required for placement in Math and English courses. Accuplacer testing is available on the Geary and Concordia campuses. English placement scores are valid if taken within five years of enrolling in an English course. Math placement scores are valid if taken within three years of enrolling in a Math course.

(Note: All required documents must be on file before the end of the student's first semester or further enrollment at CCCC may be denied. If all admission requirements have not been met, an Academic Hold is placed on the student, and no transcript of work completed at CCCC will be released.)

Transfer Students

Transfer students seeking a degree or certificate must request high school transcripts/GED scores and official transcripts from all previously attended post-secondary institutions be sent directly to the Admissions Office, 2221 Campus Drive, Concordia, KS 66901. Students enrolling at the Geary County Campus should have these documents sent to the Geary County Campus, 631 Caroline Avenue, Junction City, KS 66441. Transfer credit will be evaluated on a course-by-course basis and converted to the semester-hour system. Transfer students with academic sanctions from previous institutions may enroll at CCCC on probation. All transfer students who are using Financial Aid must have their high school transcript/GED scores and previous college transcripts submitted before Financial Aid will be packaged and awarded.

High School Students

Cloud County Community College will follow the same eligibility guidelines as established for concurrent enrollment partnerships for enrollment of all secondary students in college classes. High school sophomores, juniors and seniors, including home-schooled students, may enroll concurrently in college courses with written permission from the high school principal. A yearly cooperative agreement with the school district or the home study school must be on file with the College for college credit to be granted. Students can contact the high school counselor, local site coordinator or CCCC Coordinator of Concurrent Enrollment for more information.

Admissions

Gifted Students

Students who are freshmen in high school and enrolled in a recognized gifted program may enroll in college courses. Written permission from the high school principal and a copy of the student's IEP must be on file at the College for college credit to be granted. The IEP must be renewed each academic year. Students below 9th grade level will not be allowed to enroll in or to audit college classes.

Continuing Students

Former Cloud County Community College students who have not attended in the previous year must complete a new application, which is available online at www.cloud.edu, or at any campus location.

It is the responsibility of all students to inform Cloud County Community College of attendance at other institutions and provide the College with official transcripts from those institutions. If admissions requirements are not met, a student may be placed on Academic Hold with no transcript of coursework being released until the requirements are filled.

Non-Degree Seeking Students

Students who are admitted as non-degree seeking are required to submit official transcripts for any courses with a pre-requisite. Should the student status change to "degree seeking", all official transcripts must be received before financial aid, including scholarships and grant-in-aid awards will be dispersed.

Transient Students

Transient students are non-degree seeking students enrolled in CCCC courses with the intent of transferring CCCC credit hours back to his/her home institution. Students taking CCCC courses with a prerequisite will need to submit an official transcript from his/her home institution as proof of meeting prerequisite.

A transient student is defined as one of the following:

1. Currently enrolled (taking classes) as a student at another college or university referred to here as "home institution" **OR**
2. Taking a break in attendance (not enrolled in the current term) from a home institution AND the intention of transferring any earned CCCC credits back to a home institution without making a declaration to graduate from CCCC.

International Students

Acceptance for admissions to Cloud County Community College is at the discretion of the Principle Designated School Official (PDSO) and/or the Designated School Official (DSO).

1. Complete the Application for Admissions (APPLY NOW link)
2. Every International Student requirement must be submitted. A **COMPLETE** packet of documents must be scanned and emailed to admit@cloud.edu. In the subject line of the email, you must include the student's full name and anticipated semester and year of attendance. Failure to submit the completed packet may delay the acceptance processes.

**REQUIREMENTS

- An official copy of high school diploma and/or matriculation certificate and official copies of complete high school transcripts.
- Official test scores demonstrating proficiency in both oral and written use of the English language. A score of 500 (paper based test or PBT), 173 (computer based test or cBT) or 61 (Internet based test or iBT) on the TOEFL Examination is the minimum requirement for admission subject to the following exceptions:
 - 548 or higher (PBT), 210 or higher (cBT), or 79 or higher (iBT), will not be required to enroll in ESL courses.
 - 500-547 (PBT), 173-209 (cBT), or 61-78 (iBT) will be required to successfully complete one semester of ESL coursework (ESL II).
 - 410-499 (PBT), 100-172 (cBT), or 40-60 (iBT) will be required to successfully complete two semesters of ESL coursework (ESL I & ESL II).
- A completed statement of financial support, signed by both a financial sponsor (usually a parent or legal guardian) and by the student.
- A certified bank statement dated within six months of the start of classes showing the equivalent of \$11,000 USD. This verifies that the sponsor has sufficient funds for sponsoring one year of study at Cloud. This is the estimated one year cost for tuition, books, fees, housing and living expenses.
- Each international student must have proof of health insurance. All international students must purchase a plan from the College's agreed upon options. (See policy E7)

After these steps are completed, the Principal Designated School Official (PDSO) and/or the Designated School Official (DSO) will review the contents and make a decision regarding the student's admission. If the decision is favorable, an I-20 form and official letter of admission will be mailed directly to the student. These documents will allow the student to apply to the nearest U.S. Consular Office for an F-1 non-immigrant student visa. Once the visa has been obtained, the student will be permitted to enter the United States and begin full-time studies at CCCC.

3. Complete the Housing Application ([link to iCloud](#))
4. Tuberculosis Blood Test- International students from countries of high incidence (follow the link for the list of countries requiring a test) will be required to have a TB Blood test before attending classes. Tests are available at the expense of the student. <http://www.health.nsw.gov.au/infectious/tuberculosis/documents/countries-incidence.pdf>
5. INTERNATIONAL STUDENT INSURANCE: Each student on a F1 visa is required to have proof of international student health insurance. F1 students will purchase insurance through International Student Insurance (ISI), Cloud County Community College's selected provider. For more information on the International Student Health Insurance requirement or to purchase the insurance please go to <http://www.cloud.edu/Admissions/international-students/international-insurance/index>

Admissions

SCHOLARSHIPS

Scholarships at the Concordia Campus fall into four categories: Departmental (academic), Special Ability (music, drama, journalism, and livestock judging), Athletics, and Continuing and Endowed Scholarships. Scholarships at the Geary County Campus include: Presidential, Departmental, Continuing Education, and Activity Awards. Applications received prior to April 1 receive priority consideration. The counselor's verification of the student's transcript is required. For more information on scholarships, contact the Admissions Office at either campus, or go to www.cloud.edu.

ACADEMIC STANDARDS FOR SCHOLARSHIP AND STIPEND ACTIVITIES

Students in the following scholarship funded or stipend activities must meet academic standards to maintain their scholarship or stipend: Band, Chamber Singers, Pep Band, Student Senate, Cheer/Yell Leading, Dance Team, Thor (mascot), Drama, Student Ambassadors, Student Activities Board, Athletic Trainers, Crops Judging Team, Soils Judging Team, Livestock Judging Team, Quiz Bowl, Rodeo Club, Horse Judging, Resident Assistants, KVCO Radio, Newspaper Staff, and Yearbook Staff.

The Academic Standards are as follows:

1. Complete at least 12 hours each semester (remain full time to earn scholarship/stipend).
2. Earn a minimum semester GPA of 2.00.
3. Students may use the winter interterm and the summer session to meet the academic guidelines.
4. Scholarship/stipend may be revoked or prorated at any given time throughout the semester:
 - a. If the student drops below full-time status, 12 credit hours.
 - b. If the student fails to meet standards set forth by the activity sponsor.



Enrollment and Registration

Before pre-registering for courses, students must complete the Admission process and be admitted to the College.

ENROLLMENT

New students will meet with advisors during a Freshman Enrollment Day to discuss academic goals and to enroll in courses. Returning students will schedule appointments to meet with their advisor to enroll in courses during designated enrollment periods. These dates are scheduled and published throughout the year. Early enrollment is encouraged due to a greater course selection and to provide time to complete the enrollment process. After students complete the personal information update within their iCloud account, if required, students will be ready to pre-register in courses. At the time of enrollment, official transcripts or placement scores must be on file. Refer to the Placement Test section for more details.

The pre-registration for courses holds a space in each course but does not confirm registration. Students must make payment arrangements for the pre-registered courses to complete the registration process. This registration process is repeated each term the student enrolls in courses.

Students taking off-campus or online courses should enroll through iCloud or contact an advisor.

Prior to the first day of class, students are required to identify the prescribed textbook and all materials which will be required for each course. These books and materials can be obtained from the T-Bird Bookstore located on the Concordia Campus and at tbirdbookstore.com. They may also be obtained from outside vendors but care should be taken in procuring the correct copy and edition. Books may also be rented from the T-Bird Bookstore and various sources.

PLACEMENT TEST

Students who have not completed college-level math or English must provide ACT or placement test scores prior to enrollment. Accuplacer scores that are no more than three years old for Math and five years old for English are acceptable. Students without scores on file are given a placement test and will incur a test fee that will be due at the time of testing. There is a 2-month waiting period for retake tests. The same fee applies to retake tests. Scores from the test will be used to determine the appropriate math, English or reading courses for the student. Depending on the scores, students may be required to take developmental courses. These courses will prepare the student for college courses, will appear on the official transcript and be included in the career GPA. Developmental courses do not count toward the graduation requirements.

High school students in the CCCC service area, who are enrolling in concurrent courses through CCCC, are given the placement test during designated periods at the high schools. The test fee will be due prior to or at the time of testing. See the coordinator at your high school for more information.

Students enrolling in courses at Cloud may take the placement

test at the Concordia or Geary County campuses throughout the year. Students wishing to schedule a time to test can call 800.658.4655, ext. 275 for the Concordia campus or 800.658.4655, ext. 714 for the Geary County Campus.

The Concordia and Geary County campuses are remote test sites. Students studying at other institutions can call the Advisement Center at the Concordia campus or the Student Services Office at the Geary County Campus for information regarding testing details and fees.

ADVISING

Degree-seeking students enrolled in more than six credit hours are assigned a faculty advisor within their program of study. Students should discuss their specific degree requirements with their faculty advisor throughout their academic career. While a faculty advisor is to be of help to a student in planning and confirming the student's progress toward graduation, ultimately, it is the student's responsibility to be familiar with the requirements for graduation, to be aware of their progress toward graduation, and to determine the transferability of the College's courses to other post-secondary institutions.

If a student plans to transfer to another institution, it is recommended to declare a transfer institution early in their academic career and to be familiar with the transfer requirements. Refer to the Reverse Transfer section of the catalog for more details about earning a degree from Cloud after transferring to another institution.

Students who are uncertain about future plans may want to list their major as general studies. Students are able to explore different academic areas until a definite goal has been established. To change advisors or a degree program, contact the Advisement Center or GCC Student Services.

Concordia campus, online and outreach students should contact their advisor at 800-729-5101, ext. 275, advisement@cloud.edu or stop by the Advisement Center, which is located in the Student Union on the Concordia campus.

Students studying at the Geary County campus should contact the Student Services Office located in the Russell Johnson Administration Building at 800-729-5101, ext. 714, by e-mail at GCadvisement@cloud.edu or stop by the office.

ONLINE COURSES

Any eligible student may enroll in online classes. There are three options for course length: full session, first session, and second session. During enrollment, students can discuss these options with their advisor to determine the best suitable plan.

Although online students do not have face-to-face meetings with their instructors, they are required to follow the deadlines their instructors have outlined in their syllabi regarding assignments, exams, and other due dates. Online students must purchase the required materials for each class. To view a list of required materials please visit tbirdbookstore.com.

Enrollment and Registration

To ensure academic integrity of our online classes and adherence to NCAA guidelines, certain assignments or exams will be proctored. The following are the guidelines for obtaining a proctor:

- Proctors must have a computer on which the student can take the test.
- Proctors must have a business e-mail address in order to be sent the exam password.
- Proctors may not be a spouse, fellow student, neighbor, relative, coach, member of an athletic department, or close friend of the student.
- Identify a proctor who meets one of the following criteria:
 1. a librarian or someone in an administrative position in a library,
 2. a certified teacher, school counselor, administrator or other school official,
 3. a faculty member in an accredited college or university,
 4. a military officer with a higher rank than the student being proctored, or
 5. a corporate or government agency educational official.
 6. Fees associated with proctoring services (if any) are the responsibility of the student.

Instructors will approve proctors and provide to them information pertinent to testing procedures. In the event there is a reason to question a student's identity or academic integrity, instructors may require the use of a proctoring site or service selected by the instructor.

Students may also use the fee based Cloud County Community College's fee based online proctoring service, ProctorU. For information on ProctorU, contact your instructor. Link: <http://www.proctoru.com/cloud/>



Student Services

RESIDENCE LIFE

On Campus

A unique experience in college housing is available at Cloud County Community College. On campus housing and two non-campus buildings provide housing for 364 students. Some apartments have their own kitchen, living room, dining area, two bedrooms and a bath shared by 4 residents. Others offer a private bedroom and a semi-private bath. An off campus apartment building offers students a chance to enjoy on campus benefits, but the independence of living off campus.

An Honor's house is located right across the street from the campus. This living arrangement is by application only and is for those students who demonstrate great leadership in the classroom and elsewhere.

A campus apartment handbook is provided to each campus resident and is available upon request. Contact the Residence Life department for a current housing contract.

The Residence Life Office also provides many activities and socials for all students. The Resident Assistants strive to make the on campus living a memorable and positive experience.

Off Campus

The Residence Life Office maintains a list of off-campus rentals. Some are within walking distance of the college.

LIBRARY

The library supports and enhances the educational experience by providing access to numerous online databases as well as access to traditional resources and services. The Library staff offers individual and classroom instruction in the effective use of resources, and provides access to resources not owned by the library through interlibrary loan and databases.

The library currently has two collections – Concordia Campus and Concordia AV. The Concordia Campus collection contains book and DVD resources for check-out while the Concordia AV collection contains instructional materials which faculty use to enhance class instruction. Viewing of instructional materials outside of class can be done in the library utilizing our two viewing stations that are available. Materials in both collections can be found through the online Library catalog located on the Library Webpage. In addition, the library provides approximately 60 databases that can be accessed through the Library webpage.

Other services provided by the Library include: access to 20 computers, a scanner and a printer for student use, several print magazines and newspapers available, and an inviting atmosphere to enjoy.

HAVA JAVA COFFEE SHOP

The Library is also home to the Hava Java Coffee Shop which is open on instructional days from 8:00 am - 8:00 pm on Monday through Thursday and 8:00 am - 4:00 pm on Fridays. Hava Java offers a variety of hot drinks to purchase including coffees, lattes, mochas, cappuccinos, hot chocolate and a variety of hot teas as well as on-the-go snacks. Stop in on your way to class or stay awhile to study and enjoy the atmosphere of our renovated library.

STUDENT SUCCESS CENTER

The mission of the Student Success Center at Cloud County Community College is to provide instruction and services to support the academic success of all students and assist faculty effectiveness in classroom teaching. The Student Success Center offers a variety of services to support students; these include tutoring, test proctoring, and academic coaching. For students who present documentation of specific disabilities, accommodations are provided. Writing assistance and editing for academic papers is also provided for students through the SSC.

The Student Success Center provides tutoring services for a variety of courses each semester FREE of charge to CCCC students. Students in need of tutoring may stop by the SSC or make an appointment. To become a peer tutor, students must have already taken the course for which they tutor or have demonstrated competency in the subject being tutored. Peer tutors must also have a minimum 3.0 grade point average, obtained a grade of "A" or "B" in the class tutored, have the recommendation of the course instructor, and receive training in tutoring theory and skills.

The Student Success Center staff will proctor tests for students who need to take a make-up test or need accommodations. Proctoring is provided for CCCC courses, online courses, and non-CCCC courses. Instructions given by the instructor are strictly followed. The instructor will be notified of any test discrepancies. To schedule test proctoring call the SSC at 243-1435, x231.

The Student Success Center is open Monday through Friday from 8:00 am to 5:00 pm.

TRiO STUDENT SUPPORT SERVICES

The TRiO Student Support Services program is a support network serving students who are historically under-represented in education: First-generation, low-income, and/or students with documented learning disabilities. The TRiO program provides assistance and support toward graduation.

Students at both the Concordia and Geary County campuses can qualify to participate in the TRiO program. They can receive services such as free one-on-one tutoring from an Academic Specialist, workshops and training opportunities, transfer and scholarship assistance, campus visits to four-year universities, cultural enrichment activities, referral services, and every day support for life's ups and downs.

Office hours for TRiO staff are Monday through Friday, from 8 a.m. to 5 p.m. For more information, please contact the TRiO staff at trio@cloud.edu.

ADULT EDUCATION PROGRAM

The Adult Education (AE) program is designed for students who are not yet eligible for admission to the College because of insufficient basic skills or lack of a high school diploma. As a service to the College service area, the program provides teacher directed instruction in math, reading, writing, science and social studies; understanding computer word processing; preparing for the GED to earn a Kansas High School Diploma; and gaining

Student Services

job and living skills. Students also have the opportunity to earn Technology Certificates, WorkReady Credentials and some industry recognized certificates,

In addition to the Centers on the Concordia and Geary County campuses, an outreach center is also located in Clay Center. Because the AE program is grant-funded, classes are free of charge. However, there is a minimal fee for materials and testing.

An individual must be at least 16 years of age and not enrolled in any other school to meet requirements of the program. Classes are scheduled to accommodate adults' schedules.

The AE Center also offers the Official GED Practice Test to individuals interested in taking the Official GED Test. Students in the AE program who pass their GED and receive a Kansas high School Diploma are eligible to participate in an annual GED graduation ceremony and receive a tuition-free scholarship for one three-credit hour class at Cloud County Community College.

VETERANS

Cloud County Community College welcomes any undergraduate veteran, active duty, and reservist students. Veterans may receive college credit for military experience and courses taken on active duty. Contact the Veteran's Representative at our Concordia Campus or the Military Liaison at the Geary County Campus for more information.

HEALTH SERVICES

Students have access to free medical services at the Concordia Campus clinic during the fall and spring semesters. The Student Health Clinic is located above the gym in room UG308 on the Concordia Campus. Clinic medical provider, Lynette Alexander, Physician Assistant, maintains a national board certification and is licensed through the Kansas State Board of Healing Arts. The clinic phone number is 785-243-1435, ext 237. Email contact is lalexander@cloud.edu. Clinic visits are on a walk-in basis, M-W-Th-F from 9:00 am to 4:00 pm.

Services available include sports physicals, medical exams and diagnoses and treatment of illnesses and injuries. When indicated, the Physician Assistant may order lab and x-rays, obtained at the local hospital. Students are responsible for payment of hospital services, as well as for any prescription medications ordered from the pharmacy of the student's choice. The Physician Assistant also provides health counseling services and referrals for specialty medical care.

COUNSELING

The counseling program offers assessment and short-term assistance. The Physician Assistant will determine if additional sessions can be arranged. Normally, however, the Physician Assistant will refer the student to agencies in the community prepared to provide services over an extended period of time. Referrals will be accepted from any source. Students may refer themselves. Referrals of students will also be accepted from other students, parents, faculty, staff, and other agencies in the community. Referrals should be made to the CCCC Physician Assistant.

CHILDREN'S CENTER

Full or part-time child care for children ages six weeks to six years is available at the Children's Center located on the Concordia Campus. Children of full-time students are given priority at the center, which is operated by a professional staff. For more information, call (785) 243-3027, ext 755. The Cloud County Community College Children's Center is licensed through the Kansas Department of Health and Environment

FOOD SERVICE

Food service is provided by an outside vendor. The College hires a contractor who specializes in food service operations for businesses and public institutions. Residence Life students receive 17 meals per week as part of their contract. Off campus students may purchase a 5 or 10 meal plan, pay cash at the register, or purchase a 10 meal punch card. Meal prices change from year to year, however, pricing in any one year will be very competitive with local markets. Details about food service offerings, including current prices, are available from either the Auxiliary Services Office or the Food Service Contractor.

STUDENT UNION

Students like to spend time in the Student Union, as it provides an enjoyable setting for relaxation and conversation. It is close to the T-Bird Café and other Student Services areas.

THUNDERVILLE

Thunderville is the College game room and TV Lounge. The Lounge is used to host special entertainment and gatherings that students enjoy. Foosball, pool, table tennis, and a Wii entertainment center are available for student use.

BOOKSTORE

Striving for superior customer service, the T-Bird Bookstore caters to all of your classroom and apparel needs. They offer textbooks, classroom, and laboratory supplies, and supplemental reading materials. Textbooks can be rented or purchased in new or used condition. At the end of each semester, they offer a book buyback program that offers competitive prices for old textbooks. Customers will also find apparel and other T-Bird gifts for all budgets and tastes. The T-Bird Bookstore also operates their own web site (www.tbirdbookstore.com) that allows customers to purchase textbooks and other items that can be shipped via UPS to your home address.

STUDENT ACTIVITIES, CLUBS, ORGANIZATIONS

An important part of any college experience is the extracurricular activities. Listed below are organizations and activities for student enrichment at CCCC. Each club must recharter each year.

Concordia Campus: Collegiate FFA, Collegiate Farm Bureau, C-Zone (Pep Club), FCCLA, Fellowship of Christian Athletes, Phi Theta Kappa, Student Senate, and Thunderhead Media.

Geary County Campus: A & P Club, Fine Arts Club, Phi Theta Kappa, and Student Veterans Association.

Student Services

PHI THETA KAPPA

For nearly a century, Phi Theta Kappa has signified a commitment to academic excellence and leadership accomplishment for community college students from around the world. Cloud County Community College received its Phi Theta Kappa charter in 1970 and has maintained a strong presence on the Concordia campus, on the Geary County Campus, and in our communities since that time. As a member of Phi Theta Kappa, Cloud County students may find greater accessibility to scholarships at transfer institutions and are also invited to apply to a number of two-year and four-year scholarships available exclusively to Phi Theta Kappa members. In order for students to enjoy these and other benefits of the organization, they must have a 3.5 cumulative GPA after completing 12 college credit hours. New members are invited and initiated once per semester.

INTERCOLLEGIATE ATHLETICS

The intercollegiate athletics programs at Cloud County Community College offer a variety of sports for men and women, giving student-athletes the opportunity to compete at the collegiate level. Cloud County has been a member of the Kansas Jayhawk Community College Conference (KJCCC) since 1996, considered by many as the strongest National Junior College Athletic Association (NJCAA) conference in the country.

Thunderbird teams have competed in national competitions in men's and women's basketball, men's soccer, track and field, cross country, softball and volleyball. Cloud County has won national championships in men's cross country in 1995, women's basketball in 2001, men's half marathon in 2003, and in men's soccer in 2011. The track and field programs have produced dozens of individual national champions, as well as a pair of Olympians in Jeffrey Julmis and Mikel Thomas. Julmis was a hurdler at Cloud County, while Thomas served as an assistant track and field coach before becoming a three-time Olympic athlete.

Hundreds of individual Thunderbird student-athletes have been recognized as NJCAA All-Americans, as well as achieving Academic All-American status. Many Cloud County alumni transfer to NCAA Division I, Division II and NAIA institutions to further their academic and athletic careers. Several have made their way into professional athletics in baseball, track and field, men's and women's basketball and men's soccer. Six Cloud County alumni have even made it to the NFL.

In addition to great intercollegiate athletics, Cloud County has a first-rate coaching staff that is highly decorated and respected throughout the country. Currently, Cloud County Community College offers intercollegiate sports in volleyball, baseball, softball, men's and women's basketball, men's and women's soccer, men's and women's indoor track and field, men's and women's outdoor track and field, and wrestling.

INTRAMURALS

The intramural sports program offers a variety of activities designed to meet the diverse needs and interests of the students, faculty, and staff of Cloud County Community College. This

program offers the opportunity to develop and maintain physical fitness, to compete with and against other members of the campus community, as well as provides a change from the routine of academic life. Participants have the opportunity to choose from various team and individual sports.

LIABILITY STATEMENT

All participants should be duly aware of the risk and hazards involved in intramural/recreational sports and fitness activities. All participants should voluntarily elect to utilize Cloud County Community College facilities, and participate in programs recognizing present conditions and further agree to voluntarily assume all risk of loss, damage, or injury that may be sustained while using college facilities or participating in programs.

Cloud County Community College assumes NO responsibility for cost involved with individual injury or property damage incurred in connection with the use of college facilities.

Participants are reminded that they should review their own situations to determine if they have adequate insurance or protection.

It is recommended that all participants have a complete physical before engaging in any physical activities at Cloud County Community College.

ADVISEMENT CENTER - CONCORDIA CAMPUS

While academic advisement is the primary function of the Advisement Center at the Concordia Campus, several additional services are offered through the Center to support advising. These include orientation, placement test, transfer information, and campus visits from transfer college representatives. The Center also makes on-campus and community referrals for many other services including financial aid, career counseling, student housing, in-depth personal counseling, and health care. Students, who qualify and are seeking academic accommodation, should contact the Center for details.

The Advisement Center has received two national awards for its service to students. The National Academic Advising Association (NACADA) and ACT honored the Advisement Center as the Outstanding Two Year College Advising Program in the nation. This is the highest honor awarded to college advising programs. The advisement Center, along with the Learning Skills Center, also received the National Center for Student Retention Award of Excellence. The first Outstanding Faculty Advisor Award ever given by Region 7 of the National Academic Advising Association was given to a faculty advisor at CCCC.

Concordia campus, online, and outreach students should contact their advisor at 800-729-5101, ext 257, advisement@cloud.edu, or stop by the Advisement Center, which is located in the Student Union on the Concordia Campus.

STUDENT SERVICES OFFICE - GEARY COUNTY CAMPUS

The Student Services Office on the Geary County Campus assists current and prospective students with admissions, placement testing, financial aid, military benefits, enrollment and

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advising, and retention. Student Services staff and faculty advisors work closely with corresponding offices on the Concordia Campus (Admissions, Advisement, Financial Aid, Student Records, and the Career and Transfer Center) to assist Geary County Campus students in all areas of student services.

Students studying at the Geary County Campus should contact the Student Services Office at 800-729-5101, ext 714, by e-mail at GCadvisement@cloud.edu, or stop by the office located in the Russell Johnson Administration Building.

CAREER AND TRANSFER CENTER

The Career and Transfer Center is committed to assisting students in determining their career path and successfully accomplishing their transfer and employment goals. The Career and Transfer Center develops and offers to students numerous programs and services to assist them with career decision making, transfer college planning and job search exploration.

The Career and Transfer Center is available to all students who wish to explore the world of work. Information about careers, firms and agencies; opportunities to meet with prospective employers; assistance to students and alumni in assessing their career decisions; and follow-up services and records is provided. Faculty can help students improve employment potential by acquainting them early with a wide array of services and special opportunities available to them through this office.

Cooperative Education – Opportunities exist to enhance the academic background of the student with an on-the-job work experience related to the student's academic major. See CA220.

Career Exploration – Computer systems and tests that assist in career decision making are available.

Career Assistance – Career exploration, development and resource assistant is available.

Career Development Classes and Workshops – Specialized classes help students in career exploration, development and employment opportunities.

Job Search Class – Specialized class assists students in developing techniques to better prepare them for their job search. Professionally prepared resumes, cover letters and simulated interviews all comprise what will prove to be an edge when searching for employment.

Internet – Internet access and assistance for job search and employer research.

On-Campus Interviews with National and Local Recruiters – Consult the Career and Transfer Center staff regarding contact opportunities.

Employment Listings – An Internet Job Vacancy Bulletin is available on-line or in hard-copy upon request. The Career Center staff is available to assist in temporary, part-time, or full-time job searches both locally and nationally.

Career Information Library – Materials on career planning and development.

Employer Library – Information on employment opportunities for Cooperative Education work experiences, and full and part-time employment.

FEDERAL FINANCIAL AID

Financial Aid Philosophy

Cloud County Community College adheres to the philosophy of the U.S. Department of Education which states that the cost of higher education rightfully should be the responsibility of the student and his or her family, provided they can afford the expense; if the student and family are not financially capable of assuming total educational costs, the federal programs of financial aid are designed to assist the student with his or her unmet need. This philosophy not only provides students with access to higher education, but also gives them a choice of post-secondary institutions.

Financial Aid Mission

It is the goal of the Financial Aid Office to provide the effective delivery of financial assistance to qualified students, allowing them to pursue their educational goals. It is desired that students be provided adequate resources in order to complete a program of study at Cloud County Community College and be prepared for employment or transfer to a four-year institution.

What is Federal Student Aid?

The majority of federal student financial aid is available through the federal government and eligibility is determined by completing the FAFSA. This application is available on-line at <http://www.fafsa.ed.gov/>. CCCC's school code is 001909. Accuracy is of the utmost importance when completing the FAFSA, since verification may be required of the information submitted. If a student's file is selected for verification, supporting documents will be requested.

It may take up to eight weeks to process your FAFSA application, so please apply early to avoid a payment contract or having to make payment arrangements with the business office. We have established the following priority dates for submitting the FAFSA and any forms and documents that Financial Aid may request:

Academic Year	Priority deadline to submit FAFSA	Priority Deadline to submit required document
Fall Semester	June 1	July 1
Spring	November 1	December 1
Summer	April 1	May 1

If you have any questions, or need assistance in completing a FAFSA, call the Financial Aid Office (785-243-1435, ext. 281), or visit the Financial Aid office on the Concordia Campus or Student Services on the Geary County Campus. Students may also contact the Financial Aid Office through the finaid@cloud.edu e-mail address.

CLOUD COUNTY
Start Here

Student Services

Traditional and non-traditional students are encouraged to apply for student financial aid. Selection to receive financial assistance through Cloud County Community College will be made without regard to age, sex, race, color, religion, national origin, or handicap.

Requirements For Federal Student Financial Aid

Every student who meets certain eligibility requirements can get some type of federal student aid, regardless of age, or family income. The most basic requirements are that you must:

- Demonstrate financial need (for most programs);
- Be a U.S. citizen or eligible non-citizen;
- Have a valid Social Security number;
- Register (or have registered) for Selective Service if a male between the ages of 18 and 25;
- Have earned a high school diploma, GED certificate, or have been home-schooled;
- Enroll as a regular student in an eligible degree or certificate program
- Make satisfactory academic progress.

All students who are using Federal Student Financial Aid must have all previous college transcripts submitted and evaluated for Satisfactory Academic Progress before aid will be awarded.

Enrollment Status for Federal Financial Aid

Full-time status – 12 credit hours, or more, per semester

Three-quarter time status – 9-11 credit hours, per semester

Half-time status – 6-8 credit hours, per semester

Less than half-time status - 3-5 credit hours, per semester

- Financial Aid Eligible Hours will be used to determine Enrollment Status.
- Financial Aid Eligible Hours are courses which are eligible to apply toward a CCCC Degree or Certificate.
- If a student is enrolled in hours that do not count toward their degree or certificate program, they cannot be used to determine Financial Aid Enrollment Status unless they are an eligible remedial course.
- The Financial Aid Office will prorate Federal Pell Grant based on the student's Financial Aid Enrollment Status if the student is enrolled in less than 12 Financial Aid Eligible hours during a payment period.
- Direct Loan Eligibility can also change as a result of Financial Aid Enrollment Status.

Financial Aid eligibility is not fixed. Information received at any time during the payment period may require adjustments to be made to the student's financial aid.

Types of Federal Financial Aid

Please visit the Federal Student Aid website at studentaid.ed.gov for additional information regarding Federal Financial Aid Programs.

Federal Pell Grant

The Federal Pell Grant is a need-based grant, funded by the federal government for undergraduate students who have not earned a bachelor's or professional degree. The maximum award is determined every year by the student's Estimated Family Contribution (EFC), and their enrollment status for each semester they attend. This grant money is to be used toward education-related expenses.

Students are eligible to receive a Pell Grant for up to 12 semesters or the equivalent. Equivalency is calculated by adding together the percentage of Pell eligibility that has been received each year to determine whether the total amount exceeds 600%. If the student has exceeded the 12 semester maximum they will lose eligibility for additional Pell Grants.

FEDERAL PELL GRANT FUNDS MAY NOT BE RECEIVED FROM MORE THAN ONE INSTITUTION PER SEMESTER.

Federal Supplemental Educational Opportunity Grant (FSEOG)

The Federal Supplemental Educational Opportunity Grant (FSEOG) is for undergraduate students who have not earned a bachelor's or professional degree. Students who will receive Federal Pell Grants and have the most financial need will be awarded FSEOG's first. This grant money is to be used toward education-related expenses.

Federal Work-Study

The Federal Work-Study Program is considered self-help and provides jobs for students who wish to earn a portion of their college expenses, while gaining practical work experience. At CCCC, a student will normally be employed for one academic year (August through May) and summer employment (June and July) may also be available.

The Work-Study positions may be located on or off campus, and the pay rate is at least the current Federal Minimum Wage. The scheduled hours and pay may vary according to the job position. The amount earned cannot exceed the total amount of the Work-Study award. The student and their supervisor are expected to cooperate in ensuring that the student does not work more than the contracted hours. Failure to stay within the contracted hours may bring about a department without assistance of a Work-Study student.

Monies for hours worked in the Federal Work-Study program will be paid as a payroll check on the 5th of each month by the Human Resource Assistant. If the 5th falls on a weekend, checks will be available the following Monday.

An application and list of work-study jobs is available online at www.cloud.edu under Financial Aid Forms and Worksheets. Priority is given to full-time students in good standing. Students interested in the work-study program are encouraged to apply early as these funds are very limited. Before a student may start working, the Financial Aid Office must have a complete financial aid file and the Financial Aid Office must have a completed Work-Study Job Preference Application, W-4, I-9, and work-study contract on file. A valid government issued photo ID (i.e.

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Driver's license), and social security card or birth certificate will be required to complete the 1-9.

William D. Ford Federal Direct Loan Program

The William D. Ford Federal Direct Loan (Direct Loan) Program is the largest federal student loan program. Under this program, the U.S. Department of Education is the lender. Federal Direct Loans usually have lower interest rates and have more flexible repayment options than loans from banks or other private sources.

Students must be enrolled and attending at least 6 credit hours per semester to be eligible for Federal Direct Loans.

Before students borrow a federal student loan, it is important to understand that a loan is a legal obligation that the student will be responsible for repaying with interest. The student may not have to begin repaying their federal student loans right away, but the student does not have to wait to understand the student's responsibilities as a borrower.

Please visit the Federal Student Loan website at www.studentaid.ed.gov for additional loan information. For repayment calculator please visit www.studentloans.gov.

CCCC requires the student to complete a FAFSA before certifying all loans. Entrance Counseling and a signed Master Promissory Note (MPN) are a requirement under the federal default-reduction regulations before disbursing the loan funds. Please complete at www.studentloans.gov.

Exit Counseling is required shortly before the student borrower ceases at least half-time study at CCCC. This includes graduates and transfer students. Please complete at www.studentloans.gov.

CCCC has partnered with Loan Science to educate our student borrowers with how to best manage their student loans. Contact Loan Science with questions. Phone: 866-311-9450 or e-mail contact@loanscience.com

Direct Subsidized Loans

For undergraduate students who have financial need; US Department of Education pays the interest while the borrower is in school and during grace and deferment periods; the institution determines the amount the student can borrow, and the amount may not exceed the student's financial need; first time borrowers may not receive this type of loan for more than 150% of the length of their program of study; US Department of Education may stop paying interest if a student who received Direct Subsidized Loans for maximum period continues enrollment.

Direct Unsubsidized Loans

For undergraduate, graduate, and professional students; financial need is not required; borrower is responsible for all interest.

Direct PLUS Loans

For parents of dependent undergraduate students and for

graduate and professional students; borrower is responsible for all interest; financial need is not required. For additional information please visit the Studentaid.gov/plus website.

Preparatory Coursework

Preparatory coursework loans allows a student to attend CCCC and receive a Direct Loan for a maximum of one consecutive 12-month period to take pre-arranged program coursework required for admission to another college or university.

Federal provisions limit the amount of Direct Subsidized & Unsubsidized loans students may borrow each academic year.

The limits outlined below do not apply to Direct PLUS loans for parents.

	Maximum Annual Loan Amount	
	Dependent Student	Independent Student
Grade Level 1 (less than 30 completed hrs) - FRESHMAN		
Base Direct Loan Eligibility (subsidized & unsubsidized)	\$3,500	\$3,500
Additional unsubsidized Direct Loan eligibility	\$2,000	\$2,000
Unsubsidized Direct Loan eligibility for independent student or dependent student due to parent ineligibility for PLUS loan		\$4,000
Maximum Grade Level 1 Total	\$5,500	\$9,500

	Maximum Annual Loan Amount	
	Dependent Student	Independent Student
Grade Level 2 (30+ completed hours) - SOPHOMORE		
Base Direct Loan Eligibility (subsidized & unsubsidized)	\$4,500	\$4,500
Additional unsubsidized Direct Loan eligibility	\$2,000	\$2,000
Unsubsidized Direct Loan eligibility for independent student or dependent student due to parent ineligibility for PLUS loan		\$4,000
Maximum Grade Level 2 Total	\$6,500	\$10,500

Aggregate Loan Limits		
Student Type	Total Aggregate Limit	Maximum Subsidized Limit Within the Aggregate
Dependent Student	\$31,000	\$23,000
Dependent Student whose parent is ineligible for PLUS	\$57,500	\$23,000
Independent Undergraduate Student	\$57,500	\$23,000

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These amounts are based on full time enrollment status and all federal aid may not exceed the school's budget or cost of attendance. The annual maximum loan amount an undergraduate student may receive must be prorated when the borrower is enrolled in a program that is one academic year or more in length, but is in a remaining period of study that is shorter than a full academic year.

The interest rate for a William D. Ford Direct Loan is variable, and is adjusted every July 1, and will be set by Congress. Loan funds are to be used towards education related expenses.

Most federal student loans have loan fees that are a percentage of the total loan amount. The loan fee is deducted proportionately from each loan disbursement the borrower receives. This means the money the student receives will be less than the amount actually borrowed. The student is responsible for repayment of the entire amount borrowed. Please borrow responsibly.

All students who are using Financial Aid must have all previous college transcripts submitted and evaluated for Satisfactory Academic Progress before aid will be awarded.

Cloud County Community College does not participate in alternative loan programs.

Disbursement and Refund Information

Disbursement of financial aid funds will be processed and credited to student accounts for allowable charges for students who have a completed financial aid file and/or all direct loan paperwork completed.

Cloud County Community College defines disbursement as the payment of Title IV funds by crediting a student's account or by issuing a refund check made payable to the student and/or parent borrower of a parent PLUS.

Financial Aid will be applied to the student account in the following order:

- Institutional and Outside Scholarships
- Federal Financial Aid (SEOG, Pell Grants, Direct Loans)

If the amount of financial aid applied to a student account exceeds the student's semester charges, a refund will be issued to the student.

Students who are issued a refund check may pick up their checks in the business office prior to 4:00 pm on the scheduled refund day. After 4:00 pm all refund checks will be mailed to the student's legal home permanent address.

Students who have completed the Direct Deposit / EFT Authorization form will have refunds directly deposited to the student's designated account on the scheduled refund day.

Students may use their Federal Financial Aid credit to charge books and supplies from the CCCC bookstore to their student account. In order to charge books using Federal Financial Aid, the student's file must be complete and awarded and have a Federal Financial Aid credit on their student account. CCCC students may opt-out of the student account charge process and receive

an opt-out book refund of their Federal Financial Aid credit to purchase books elsewhere. Students must complete the Opt-Out Book Refund Request and submit to the Financial Aid Office by the first day of the semester.

The Financial Aid Office in conjunction with the Business Office will determine disbursement/refund dates for each academic year. The first refund date will typically be the first Friday in October for the fall semester and the first Friday in March for the spring semester. Disbursement and Refund Date are included in the information that is mailed to the student and also available on our website and in the student handbook.

The Financial Aid office will send students notification of the amount of Title IV aid disbursed to student accounts. This notification will include information regarding the student's right to reduce or cancel any portion of their student loan.

Before receiving funds, students may be required to verify their attendance and certify they are working toward a degree in an eligible program. Student financial aid files that are completed late will be processed and disbursed as received.

Students may be considered for a late disbursement under certain conditions and the Financial Aid Office will determine if the student meets the requirements for a late disbursement.

CCCC must return to the Department of Education any FSA program funds, except FWS Program funds, that it attempts to disburse directly to a student or parent if the student or parent does not receive the funds or cash the check. Students may also check their student account balance on the web through <https://icloud.cloud.edu/ics/>.

Withdrawals and Return of Title IV Funds

Students receiving Federal Financial Aid who withdraw, stop attending, or receive all W, F's or I's may be required to return a portion of Federal Financial Aid received. Federal Financial Aid funds are awarded with the expectation that students will complete the entire period of enrollment.

Students "earn" a percentage of the funds they are disbursed with each day of class attendance. If a student withdraws or stops attending classes, whether any credits have been awarded for the term or not, a portion of the aid received is considered to be unearned and must be returned to the Title IV programs from which it was received.

Students who wish to withdraw must notify the following offices and complete the necessary paperwork:

- Concordia Campus/Outreach and Online students – Advisement Center
- Geary County Campus students - Student Services

The Advisement Center and Student Services will provide the Financial Aid Office a copy of the Application for Total Withdrawal from Courses.

For Title IV purposes, the date of last attendance or withdrawal date is one of the following:

- The date the student provides official notification of their intent to withdraw.

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- If the student requests the withdrawal process by phone and the withdrawal form is mailed to the student by the Advisement Center or Student Services, the date the form is mailed will be the date of official withdrawal.
- If the student did not officially withdraw, the midpoint of the payment period for which financial aid was disbursed or a later date documented by the student's instructor(s).
- The date of documented attendance in an academically related activity (i.e. documented attendance in a class or lab).

Post-Withdrawal Disbursements

If the student withdraws prior to federal financial aid being disbursed to the student account, CCCC will complete the Post-withdrawal calculation and will notify the student of the amount of aid that is available.

Title IV grant funds from a post-withdrawal disbursement will be credited to the student account to pay for tuition, fees, books & supplies, and room and board.

Written confirmation will be required from a student before making any disbursement of loans funds from a post-withdrawal disbursement.

Returning Unearned Funds

Return of Unearned Federal Financial Aid Funds: The school must return the lessor of:

- The amount of program funds that the student does not earn; or
- The amount of institutional costs that the student incurred for the payment period or period of enrollment multiplied by the percentage of funds that was earned.

The student (or parent, if a Federal PLUS Loan) must return the unearned funds for which they are responsible to loan programs in accordance with the terms of the loan, and to grant programs as an overpayment. Grant overpayments are subject to repayment arrangements satisfactory to the school, or overpayment collection procedures prescribed by the US Department of Education.

Order of Return of Federal Financial Aid Funds:

The school will return unearned federal financial aid for which the school is responsible by repaying funds to the following sources, in order, up to the total received from each source until the total amount of the school's responsibility has been satisfied:

- Unsubsidized Stafford loans
- Subsidized Stafford loans
- PLUS loans
- Federal Pell Grant
- Federal Supplemental Educational Opportunity Grants (FSEOG)
- Other Title IV assistance (not including FWS)

If a student attends through 60 percent of the term, all Title IV financial aid is considered earned. However, withdrawing

from classes will affect a student's satisfactory academic progress and eligibility for additional financial aid.

Institutional Refund Policy for Complete Withdrawal of Classes

Full Session Courses

1. 100% of tuition and fees, 1st through 10th class day
2. After 10th class day no refund

* Any refunds due to students will be made by the 20th class day.

Refunds for all courses less than 16 weeks will follow the same refund schedule, but will be pro-rated for the length of the course. (See Refund Payment Policy section for complete refund policy information.)

Satisfactory Academic Progress Policy

Federal Regulations require students receiving Federal Pell Grant, Federal SEOG, Federal Work Study or Federal Direct Loans to be making Satisfactory Academic Progress.

This progress is measured at the end of each semester according to the following three factors:

- Cumulative grade point average (GPA)
- Cumulative completion rate (CR)
- Maximum Time Frame (MTF) allowed for completing a certificate or degree

SAP is calculated for each student at Cloud County Community College and students will be notified by mail and e-mail for Warning and Denial statuses.

Good Standing: Students maintaining the following minimum criteria will be considered in Good Standing for Federal Financial Aid Purposes:

- GPA ~ 2.0 cumulative
- CR ~ 67% cumulative
- MTF ~ students must also be below the maximum timeframe allowed (see below)

Warning: Will occur when a student does not meet the cumulative GPA or CR standards. Students on Financial Aid Warning are eligible for all types of Federal Financial Aid for one additional semester.

- At the end of the Warning Semester if the student meets the cumulative 2.0 GPA and cumulative 67% CR they will be placed back to Good Standing
- Students that do not meet these federally mandated standards will be placed on Financial Aid Denial

Denial: Students placed on Financial Aid Denial are not eligible for any type of Federal Financial Aid including loans.

GPA/CR:

- Student did not meet the requirements of Financial Aid Warning
- Student totally withdrawals or fails to successfully complete any credit hours, (i.e. all W's, F's or I's)

Student Services

Maximum Time Frame:

- Students who have met their program requirements or are not on pace to complete their program requirements within 150% of the published program length

Reinstatement: Students Denied from Federal Financial Aid may be reinstated in the following manners:

Self-Reinstatement for GPA/CR: If an appeal is not submitted or not granted a student must:

- Meet the minimum standards for Good Standing with an cumulative 2.0 GPA and 67% CR
- Students who meet this requirement will have their Federal Financial Aid reinstated upon written request
- It is the student's responsibility to report all grade changes to the Financial Aid Office.

SAP Appeal: Students placed on Financial Aid denial have the right appeal is they feel they have unusual circumstances that warrant an exception to policy. The appeal process is available to any student placed on Financial Aid Denial that has specific mitigating circumstances which prevented the student from maintaining SAP.

Appeal forms are available on CCCC's website or in the Financial Aid Office and should be submitted with all required documentation to the Financial Aid Office.

SAP Appeal Review: Appeals will be reviewed using a SAP Matrix, taking into consideration the student's prior academic and financial aid history. The matrix score will determine if further review by the SAP Appeal Committee is warranted. The SAP Appeal Committee consists of Financial Aid and Advising personnel.

Terms of the appeal may include a limit on the number of hours that a re-instated student may use for enrollment status. Other conditions of re-instatement may be imposed at the discretion of the SAP Appeal Committee and all decisions are final.

An appeal may not be considered if:

- The student has been dismissed from the college.
- The student has not been academically reinstated by the Academic Advising Office.
- The student owes any fees to the college.
- The appeal request is for the current semester and is received after the semester's mid-term.
- Appeals will not be considered for the same circumstances as a previously submitted appeal.

Academic Plans: Students who have been granted an appeal will placed on an Academic Plan and the following will apply:

- Academic Plans are individualized and will be consistent with degree intent in JE.
- Must maintain semester 2.0 GPA and 67% CR unless otherwise specified by the SAP appeal committee.
- Will review Academic Plans several times within the semester to confirm student is meeting the requirements of the Academic Plan.

- If Academic Plan requirements are not met the student will be placed back on Financial Aid Denial and the Academic Plan will be terminated.

Other Financial Aid SAP Guidelines

Only the courses required to complete the student's declared program of study are eligible for Federal Financial Aid.

Included Grades: Courses with a recorded grade of "F" (failure), "I" (incomplete), and "W" (withdrawn) or repeated courses are considered toward total hours attempted. For purposes of determining SAP progress at the end of the semester, "I's" (incompletes) are treated as "F's". If a student completes the course and the "I" grade is changed to an "A", "B", "C", or "D", it is the student's responsibility to notify the Financial Aid Office and provide verification of the completion.

Excluded Grades: Audit hours are NOT considered for Federal Financial Aid.

Developmental Courses: For Financial Aid purposes, GPA's are calculated to include development classes. Once a student has attempted 30 developmental credit hours (whether or not they received Federal Financial Aid for those hours) any additional developmental hours cannot be counted in the student's enrollment status.

Repeated Coursework:

- **Passed Courses:** Once a student has passed a course they can receive Federal Financial Aid funds to repeat the class one additional time.
- **Failed/Withdrawn Courses:** If a student fails (F) or withdraws (W) from a course, which has never been passed they may receive Federal Financial Aid until they pass the class.

Transfer Students: Academic transcripts are reviewed for all previous enrollments including enrollment periods and transfer hours which were completed during a term when financial aid was not requested or received. Transfer hours will be counted as both hours attempted and hours completed.

Federal Student Financial Aid Penalties For Drug Law Violations

This notice provides information on the penalties associated with drug-related offenses under section 484(r) of the Higher Education Act. It also provides notice on how to regain eligibility after conviction of a drug related offense.

The institution will provide a timely notice to each student who has lost eligibility for any grant, loan, or work-study assistance as a result of penalties under 484(r)(1) of the HEA and will advise the student of the ways in which to regain eligibility under section 484(r)(2) of the HEA.

Student Services

Suspension of Eligibility for Drug-related Offenses

A student who has been convicted of any offense under any Federal or State law involving the possession or sale of a controlled substance shall not be eligible to receive any grant, loan, or work assistance under this title during the period beginning on the date of such conviction and ending after the interval specified in the following table:

	Possession of Illegal Drugs	Sale of Illegal Drugs
1st Offense	1 year from date of conviction	2 years from date of conviction
2nd Offense	2 years from date of conviction	Indefinite period
3rd Offense	Indefinite Period	

A student regains eligibility the day after the period of ineligibility ends or when they successfully complete a qualified drug rehabilitation program that includes passing two unannounced drug tests given by such a program. Further drug convictions will make them ineligible again.

Students denied eligibility for an indefinite period can regain eligibility after completing any of the following 3 options:

1. Successfully completing a rehabilitation programs, as described below, which includes passing two unannounced drug tests from such a program;
2. Having the conviction reversed, set aside, or removed from the student's record so that fewer than two convictions for sale or three convictions for possession remain on the record, or
3. Successfully completing two unannounced drug test which are part of a rehab program (the student does not need to complete the rest of the program.

In such cases, the nature and dates of the remaining convictions will determine when the student regains eligibility. It is the student's responsibility to certify they have successfully completed the rehabilitation program.

STUDENT RIGHTS & RESPONSIBILITIES

You have the right to know:

- What financial assistance programs are available.
- The deadline for submitting applications for each of these programs.
- How financial aid eligibility is determined and how financial assistance is awarded.
- An accurate estimate of the total cost of attending CCCC, including tuition/fees, room/board, transportation, books/supplies, and miscellaneous expenses.
- A description of the various awards in your financial aid package.
- The school's refund/repayment policy.
- What portion of financial assistance received must be repaid and what portion is a grant.
- If the assistance is a loan, you have the right to know the

interest rate, the total amount to be repaid, repayment procedures, how much time you have to repay the loan, and when the repayment begins.

- How the school determines whether you are making satisfactory academic progress and what happens if you are not.

In accepting your responsibility, you must:

- Complete all application forms accurately and submit them within deadlines to the appropriate place/person.
- Return all additional documentation, verification, corrections, and new information requested by the CCCC Financial Aid Office.
- Be responsible for reading and understanding all forms you are asked to sign, and for keeping copies of them.
- Meet all obligations of any agreement that you sign.
- Report changes in name, address and telephone to all appropriate offices promptly.
- Be familiar with CCCC policies for class adds/drops and complete withdrawal from school.

Campus Security Report

Campus crime statistics are included in the Student Academic Planner which is available to students and staff each semester. The Annual Campus Security Report can be found at www.cloud.edu under the "Safety" tab or by contacting the Director of Auxiliary Services.

Residency Requirements:

State of Kansas Residency - A student must live in the State of Kansas six months prior to the first day of class for any given semester. They must provide documentation along with a completed Affidavit of Residency form. These forms are available in the Student Records Office.

Resident Aliens will need to provide a copy of their green card at the time of enrollment. For more information contact the Student Records Office.



Student Services

Tuition and Fees

Tuition

Tuition and comprehensive fees, per credit, for the 2017-2018 academic year, are listed below. Tuition and comprehensive fees are subject to change each academic year. Please see fee schedule below for additional fees which may apply.

	<u>Concordia Campus</u>	<u>Geary Co. Campus</u>	<u>Outreach & On-line</u>
Cloud Co. Resident	\$101	\$111	\$101
In-State Resident	\$106	\$116	\$106
Out-of-State Resident	\$109	\$119	\$109

Tuition and Fee Waiver for Dependents of Veterans and Safety Officers

Tuition and Fees will be provided free of charge to the following (subject to provisions of K.S.A. 73-1216 and K.S.A. 75-4364)

- Any dependent of a prisoner of war
- Any dependent of a person missing in action
- Any dependent of a person who has died as a result of service-connected disability suffered during the Vietnam Conflict
- Any dependent or spouse of certain military personnel who died on or after September 11, 2001, while, and as a result of, serving in active military service.
- Any dependent of a public safety officer who died as a result of injury sustained while performing the duties as a public safety officer.
- Tuition and Fees waiver will be applicable as long as the dependent is eligible, but not to exceed twelve (12) semesters of instruction.

Fees

*Nursing Fees - Traditional Track (total for program).....	\$2327
LPN to ADN Track (total for program)	\$1805
Lab Fees	\$60 per nursing course
Audit Fee.....	Same as Tuition
Bowling Fee.....	\$50
First Aid & Safety Fee.....	\$15
*Lab Fee	\$5 per credit hour
Wind Energy Lab Fee.....	\$10 per cr/hr Concordia Campus
Wind Energy Program Fee.....	\$25 per cr/hr Concordia Campus
Parking Permit.....	\$10 Concordia Campus
Private Music Lesson	\$80
Internet Course Processing Fee.....	\$25 per credit hour
Transcript Fee	\$5
Calculator Rental.....	\$100 or \$140
Accuplacer Testing Fee	\$10
Ag Judging Lab Fee	\$200

*fees may vary

Note: Tuition and fees are reviewed annually, and are subject to change.

Refund Payment Policy

Refunds may be issued to students dropping from courses based on the following schedule.

Full Session Courses

1. 100% of tuition and fees, 1st through 10th class day
2. After 10th class day no refund

* Any refunds due to students will be made by the 20th class day.

Refunds for all courses less than 16 weeks will follow the same refund schedule, but will be pro-rated for the length of the course. Refer to the table below for the pro-rated schedule.

Semester Length	100%
16 weeks	10th day
15 weeks	10th day
14 weeks	8th day
13 weeks	8th day
12 weeks	8th day
11 weeks	5th day
10 weeks	5th day
9 weeks	5th day
8 weeks	5th day
7 weeks	4th day
6 weeks	4th day
5 weeks	4th day
4 weeks	4th day
3 weeks	2nd day
2 weeks	2nd day
1 week	

Students may be required to repay all or a portion of their financial aid and/or scholarship(s) after dropping or withdrawing from courses.

Refund requests outside the established timeline will be considered in extraordinary or unusual circumstances as determined by the Vice-President for Administrative Services and Vice-President for Academic Affairs.

Procedure for Refunds:

Concordia Campus - A student must present to the Student Records Office an add/drop form signed by his/her advisor to receive a refund, according to the refund policy stated prior.

Outreach - A student must contact the local coordinator or the Outreach office for a drop/add card to receive a refund according to the refund policy stated prior. It is the student's responsibility to return the form to the Outreach Office.

Online - An online student must contact the Advisement Center at the Concordia Campus for a drop/add card to receive a refund according to the refund policy stated prior.

Geary County Campus - students should submit add/drop forms signed by his/her advisor to Student Services at the Geary County Campus to receive a refund, according to the refund policy stated prior.

Student Services

Bookstore Policy & Guidelines

Refunds:

Textbook refunds may be issued to students dropping courses based on the following schedule: (A receipt is required on all returns. New books/access codes must be unmarked and/or in original wrapping.)

Course Length	100% Refund
16 Weeks	10 weekdays from the start of the semester
15 Weeks	10 weekdays from the start of the semester
14 Weeks	8 weekdays from the start of the semester
13 Weeks	8 weekdays from the start of the semester
12 Weeks	8 weekdays from the start of the semester
11 Weeks	5 weekdays from the start of the semester
10 Weeks	5 weekdays from the start of the semester
9 Weeks	5 weekdays from the start of the semester
8 Weeks	5 weekdays from the start of the semester
7 Weeks	4 weekdays from the start of the semester
6 Weeks	4 weekdays from the start of the semester
5 Weeks	4 weekdays from the start of the semester
4 Weeks	4 weekdays from the start of the semester
3 Weeks	2 weekdays from the start of the semester
2 Weeks	2 weekdays from the start of the semester
1 Week	No Refund

Selling Books:

Textbooks may be sold at the Bookstore at the end of every semester. Specific buyback dates will be announced toward the end of each semester and posted at the Bookstore, around the campuses, and on our website: www.tbirdbookstore.com. Prices for books will vary given the market value at the time of buyback.



T-BIRD

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Bookstore

Academic Regulations

ACADEMIC REGULATIONS

Degrees Offered

The Associate of Arts (AA), the Associate of Science (AS), the Associate of Applied Science (AAS), and the Associate of General Studies (AGS) degrees are offered at Cloud County Community College. The AA and the AS degrees are transfer degrees equivalent to the first two years at a four-year college or university. General education requirements and elective courses used toward these degrees are expected to apply toward a Bachelor's degree. Therefore, technical courses will not fulfill requirements for these degrees. The AAS is awarded to those students who successfully complete a specific occupational program. The AGS is awarded to those who desire to explore a variety of academic disciplines. The AAS or AGS degrees may transfer only to specific degree programs at selected colleges or universities. Generally, these degrees will only apply toward bachelor's degrees for which the purposes are technology occupations. Students should seek degree program evaluation, analysis and advice from the institution to which they plan to enroll. Sixty-two credit hours of 100 level and above courses, fifteen credit hours of which must be from Cloud County Community College, and 124 grade points are minimum requirements for each degree. Actual credits earned will vary dependent upon course selections. Some occupational programs may require additional hours. In order to graduate, students are expected to complete the graduation requirements listed in the catalog that was in effect at the time they first enrolled. However, if graduation requirements change while the student is pursuing a degree, the student will have the choice of continuing with the old requirements, where those courses are available, or accepting the new requirements in order to graduate. If a student sits out two consecutive semesters, the student will be readmitted under the graduation requirement in the current catalog.

GENERAL EDUCATION REQUIREMENTS FOR THE ASSOCIATE OF ARTS AND THE ASSOCIATE OF SCIENCE DEGREES

Associate of Arts

62 credit hours including the following General Education minimum requirements:

- 9 credit hours Communications General Education Courses
 - 6 hours in Written Communications
 - 3 hours in Oral Communications
 - 3 credit hours Mathematics General Education Courses
 - 9 credit hours Humanities General Education Courses
 - From three areas
 - 6 credit hours Social Sciences General Education Courses
 - From two areas
 - 4 credit hours Natural Science General Education Course
 - Either Biological *or* Physical Science Lab Course
- MINIMUM TOTAL 31 credit hours

Associate of Science

62 credit hours, including the following General Education minimum requirements:

- 9 credit hours Communications General Education Courses
 - 6 hours in Written Communications
 - 3 hours in Oral Communications
 - 3 credit hours Mathematics General Education Courses
 - 6 credit hours Humanities General Education Courses
 - From two areas
 - 6 credit hours Social Sciences General Education Courses
 - From two areas
 - 8 credit hours Natural Science General Education Courses
 - Both Biological *and* Physical Science Lab Courses
- MINIMUM TOTAL 32 credit hours

ARTICULATION AGREEMENT WITH REGENT UNIVERSITIES

The successful transfer to a Kansas Regents university is ensured by the following:

A student who completes an Associate of Arts (AA) or Associate of Science (AS) degree based on a baccalaureate-oriented sequence at a state and regionally accredited Kansas public community college and whose degree has met the requirements of the Kansas Public Community College - Kansas Regents Transfer Agreement and Articulation Guide will be accepted with junior standing, and will have satisfied the lower division general education requirements of all Regents universities.

Points of Clarification

1. This agreement applies only to Associate of Arts and Associate of Science degree transfers from state and regionally accredited public community colleges in Kansas. The agreement does not include transfers from nonaccredited community colleges or any other colleges.
2. Transfer students accepted for admission at Kansas Regents universities with the Associate of Arts or Associate of Science degree will automatically be given junior standing with the understanding that:
 - a. Each receiving institution has the right to determine admission standards to the various majors in their institution.
 - b. Transfer students are subject to the same institutional assessment policies and procedures as resident students of the receiving institution.
3. General education is defined as the following:

General education provides students with facility in the use of the English language and a broad intellectual experience in the major fields of knowledge. It insures that each graduate will have experienced some of the content, method and system of values of the various disciplines, which enable humanity to understand itself and its environment at a level of

Academic Regulations

abstract beyond that found in secondary school studies.

Although the following distribution of courses does not correspond to the general education requirements at any Kansas Regents institution, it will be accepted as having satisfied the general education requirements of all Kansas Regents universities.

A minimum of 45 credit hours of general education with distribution in the following fields will be required. General education hours totaling less than 45 will be accepted, but transfer students must complete the remainder of this requirement before graduation from the receiving institution, which may require an additional semester(s).

12 hours of Basic Skills courses, including

- 6 hours of English Composition
- 3 hours of Public Speaking Communication
- 3 hours of college level Mathematics (statistics will be required to transfer students where University curriculum requires it)

12 hours of Humanities courses from at least three of the following disciplines:

Art*	Theatre*	Philosophy
Music*	History	Literature

*Performance courses are excluded

12 hours of Social and Behavioral Science courses from at least three of the following disciplines:

Sociology	Psychology	Political Science
Economics	Geography	Anthropology

9 hours of Natural and Physical Sciences courses from at least two disciplines (lecture with lab)

4. Other associate degrees and certifications may be awarded for programs that have requirements different from baccalaureate-oriented sequences or a primary objective other than transfer. Students in such programs wishing to transfer to Kansas Regents universities are to be considered outside of the terms of this agreement.

Students attempting to transfer into Technology, Engineering or Architecture programs are considered outside this agreement. It is recommended that 2+2 and 2+3 arrangements be developed for the above programs of study.

Acceptance of course credit for transfer from such programs will be determined by the receiving institution on the basis of application of the courses to the baccalaureate program in the major field of the student. Credit for equivalent technical courses may be granted by departmental examination.

5. Each institution will define its own graduation requirements.
6. Foreign language requirements are viewed as graduation requirements, and not as general education requirements for the purpose of this agreement.
7. A transfer student may be required to take freshman or

sophomore courses to meet particular requirements or course prerequisites of a given major or minor.

8. Transfer students preparing for teacher certification must meet the general education requirements as outlined by the State Board of Education. Teacher certification requirements have been incorporated into the degree requirements of Kansas Regents universities.
9. The spirit of the Agreement indicates that transfer students are to be judged academically in the same way as non-transfer students.

GENERAL EDUCATION REQUIREMENTS FOR THE ASSOCIATE OF APPLIED SCIENCE DEGREE *(This degree is not designed for transfer but may transfer only to specific degree programs at selected colleges or universities)*

62 credit hours including the following General Education minimum requirements:

6 credit hours Communications General Education Courses

- 3 hours in Written Communications or Technical Writing
- 3 hours in Oral Communications

3 credit hours Mathematics General Education Courses, Intermediate Algebra, or Survey of Math

3 credit hours Humanities General Education Course

3 credit hours Social Sciences General Education Courses

3 credit hours Natural Science General Education Course or Survey of Science

MINIMUM TOTAL 18 credit hours

Specialized and Related Competencies - Minimum of 44 credit hours from those listed below, to be determined by the department using the requirements of the occupation(s):

- Technical Knowledge
- Technical Skills
- Communication
- Science
- Mathematics
- Interpersonal Skills (employability skills)
- Courses from other technical disciplines

Academic Regulations

COOPERATIVE EDUCATION

Cooperative Education is a structured educational program combining classroom learning with productive work experience in a field related to a student's individualized academic or occupational goals. Work experiences are developed and/or approved by the college as appropriate learning environments, however, the final employment decisions are made by the employer and the student. Students learn the important links between academic learning and what is expected in the workplace. College credit is earned for the development and achievement of college-related learning objectives. In most cases, the student receives income for their work. Cooperative Education is available for all college disciplines, and is required for many vocational programs. Most four-year institutions will accept the Cooperative Education courses that can be completed in conjunction with semester course work (parallel), by working off-campus for a semester (alternate), or by working during the summer. Cooperative Education is a valued partnership between employers, students and educators.

GENERAL EDUCATION REQUIREMENTS FOR THE ASSOCIATE OF GENERAL STUDIES DEGREE

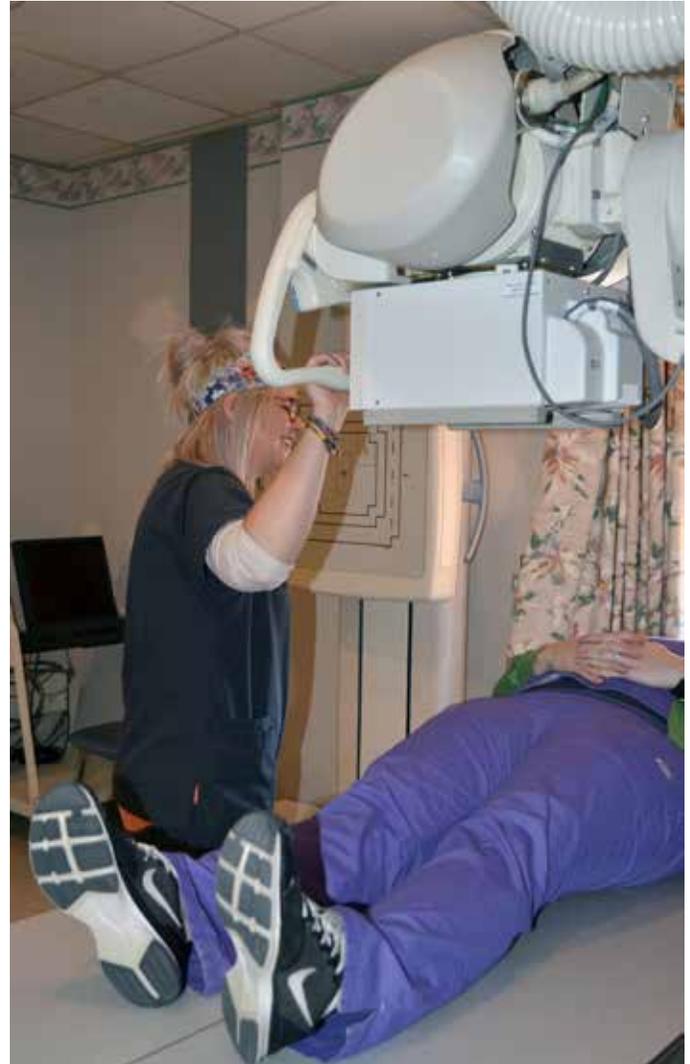
62 credit hours including the following General Education minimum requirements:

- 6 credit hours Communications General Education Courses
 - 3 hours in Written Communications
 - 3 hours in Oral Communications
- 3 credit hours Mathematics General Education Courses or Intermediate Algebra
- 6 credit hours Humanities General Education Courses
 - From two areas
- 6 credit hours Social Sciences General Education Courses
 - From two areas
- 3 credit hours Natural Science General Education Course
 - Either Biological or Physical Science Course

MINIMUM TOTAL 24 credit hours

The awarding of an Associate of General Studies requires a student to complete a minimum of 37 elective credit hours in addition to the 24 hours of General Education listed above.

The Associate of General Studies degree is intended for transfer to a college or university. However, the student may elect to use occupational coursework in part or in whole to fulfill the block of elective credit hours. **Students should be aware that occupational coursework may not be accepted in transfer to another college or university.**



Academic Regulations

GENERAL EDUCATION

General Education Philosophy

General Education expands students' understanding of the world and prepares them for civic, social, and employment responsibilities. General education advances students' abilities to function in diverse and dynamic environments by enhancing communication, stimulating critical thinking, exploring modes of inquiry, developing creative work, fostering constructive attitudes regarding learning, and promoting academic literacy.

The following courses are the approved courses that will fulfill the general education requirements for Cloud County Community College. These courses will fulfill the general education requirements for all degrees unless otherwise stated.

Communications General Education Courses

CM101 English Composition I.....	3 credit hours
CM102 English Composition II.....	3 credit hours
CM240 Interpersonal Communications.....	3 credit hours
CM115 Public Speaking.....	3 credit hours

Humanities General Education Courses

Arts

AR100 Art Appreciation.....	3 credit hours
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Foreign Language

FL105 French I.....	5 credit hours
FL111 Spanish I.....	4 credit hours
FL113 German I.....	4 credit hours

Humanities

HU201 Humanities I.....	3 credit hours
HU202 Humanities II.....	3 credit hours

Music

MU100 Music Appreciation.....	3 credit hours
MU102 World Music.....	3 credit hours
MU101 American Music.....	3 credit hours
MU103 History of Rock Music.....	3 credit hours

Theatre

CM140 Theatre Appreciation.....	3 credit hours
CM148 American Cinema Appreciation.....	3 credit hours

Literature

CM121 Introduction to Literature.....	3 credit hours
CM122 American Literature I.....	3 credit hours
CM123 American Literature II.....	3 credit hours
CM124 World Literature & the Human Experience	3 credit hours

Philosophy

PH100 Introduction to Philosophy.....	3 credit hours
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History

SS124 Introduction to History.....	3 credit hours
SS122 U.S. History I.....	3 credit hours
SS123 U.S. History II.....	3 credit hours
SS120 Western Civilization I.....	3 credit hours
SS121 Western Civilization II.....	3 credit hours
SS108 Women in American Society.....	3 credit hours

Mathematics General Education Courses

MA111 College Algebra.....	3 credit hours
MA115 Linear Algebra/General Calculus.....	3 credit hours
MA120 Analytical Geometry/Calculus I.....	5 credit hours
MA121 Analytical Geometry/Calculus II.....	5 credit hours
MA112 Trigonometry.....	3 credit hours

Natural Sciences General Education Courses

Physical Science

SC103 Physical Science.....	5 credit hours
SC130 General Chemistry.....	5 credit hours
SC131 Chemistry I.....	5 credit hours
SC137 Natural Hazards and Disasters.....	3 credit hours
SC138 Natural Hazards and Disasters Lab.....	1 credit hour
SC140 College Physics I.....	5 credit hours
SC142 University Physics I.....	5 credit hours
SC104 Geology.....	4 credit hours
SC105 General Astronomy.....	4 credit hours
SC107 Meteorology.....	4 credit hours
AG108 Environmental Quality.....	3 credit hours
AG109 Environmental Quality Lab.....	1 credit hour
SC146 Environmental Science & Conservation.....	3 credit hours
SC147 Environmental Science & Conservation Lab.....	1 credit hour
SC109 Applied Physics.....	5 credit hours

Biological Science

SC101 General Biology.....	4 credit hours
SC110 Principles of Biology I.....	5 credit hours
SC120 Human Anatomy & Physiology I.....	4 credit hours
SC126 Anatomy and Physiology.....	5 credit hours

Social & Behavioral Science General Education Courses

Economics

EC101 Economics I.....	3 credit hours
EC102 Economics II.....	3 credit hours

Psychology

SS101 General Psychology.....	3 credit hours
SS105 Human Growth & Development.....	3 credit hours

Sociology

SS106 Marriage and Family.....	3 credit hours
SS130 Introduction to Sociology.....	3 credit hours
SS201 Social Problems.....	3 credit hours

Anthropology

SS125 Introduction to Cultural Anthropology.....	3 credit hours
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Political Science

SS140 U.S. Government: National.....	3 credit hours
SS141 U.S. Government: State and Local.....	3 credit hours
SS142 Current Political Issues.....	3 credit hours

Geography

GE101 World Geography.....	3 credit hours
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Academic Regulations

OCCUPATIONAL CERTIFICATE

Cloud County Community College provides programs of instruction consisting of college credit courses that are designed to prepare students for entry into an occupation, or a closely related cluster of occupations. A certificate is awarded upon satisfactory completion of a planned program, including the demonstration or the attainment of predetermined and specified performance requirements. The courses shall be based in theory and of sufficient complexity and rigor to award college credit. Most certificate programs are designed to allow a full-time student to complete the program within one academic year.

STUDENT CLASSIFICATION

1. Freshman: Any student having fewer than 30 semester hours credit.
2. Sophomore: Any student having 30 or more credit hours
3. Special students, include the following: (1) high school students taking college courses; (2) gifted students, as defined by K.S.A. 72-962(g); (3) students who earned more than 64 hours; and (4) those students not meeting specific requirements for admission.

Enrollment and Withdrawal

Although students are considered to be full-time when enrolled in 12 semester hours, the normal semester load for students is 15-17 hours. The maximum load that a student may enroll for during the fall or spring semester is 20 credit hours. Students may exceed these limits only with permission of the Vice President for Academic Affairs. Students are limited to 12 credit hours for the summer term in any combination of sessions. A student wishing to enroll in more than 12 hours must obtain prior approval from the Vice-President for Academic Affairs.

Students may withdraw from classes according to the dates specified below.

- The time period to withdraw from courses in a full 14-16 week semester is from the 11th class day through November 1 of the fall term and from the 11th class day through April 1 of the spring term or the closest business day following these dates. Prior to the 11th class day, classes may be dropped.
- The time period to withdraw from session one courses is from the 5th class day through September 15 in the fall term and from the 5th class day through February 15 for the spring term or the closest business day following these dates. Prior to the 5th class day, classes may be dropped.
- The time period to withdraw from session two courses is from the 5th class day through November 15 in the fall term and from the 5th class day through April 15 in the spring term or the closest business day following these dates. Prior to the 5th class day, classes may be dropped.
- The time period to withdraw from summer term courses is from the 4th class day through June 15 for session one courses, from the 5th class day through July 1 for full session courses, and from the 4th class day through July 15 for session two courses or the closest business day following these dates. Prior

to the 4th class day of session one or session two, classes may be dropped. Prior to the 5th class day of the full session, classes may be dropped.

- The time period to withdraw from courses in term lengths not described above will be calculated for each term to range from the census date through the closest business day at the 50% mark of the term length. Prior to the calculated census date, classes may be dropped.

A "W" (withdrawn) will appear on the transcript for these courses. Forms for this purpose are available from the Concordia Campus Advisement Center and the Geary County Campus Office of Student Services.

Before a withdrawal can be finalized the instructor must be informed.

Requests for withdrawals, including total withdrawals, outside these established timelines will be considered for extraordinary or unusual circumstances as determined by the Vice President for Academic Affairs.

ADD PROCEDURE

Students may add courses either through iCloud (student web portal) or by contacting their academic advisor at the GCC Student Services Office or the Advisement Center on the Concordia Campus.

Fall and Spring semesters: Students will have through the seventh calendar day from the start of class to add a full-semester course. First-session or second-session courses may be added through the second calendar day from the start of each session.

Winter Term Semester: Figured on an individual basis.

Summer Session: Students will have the first two calendar days from the start of each session (first-session and second-session) on the Concordia Campus. Outreach, GCC, and Internet summer courses may be added through the third calendar day.

GRADING SYSTEM

For each semester hour of graded work, students earn points, as follows:

A	Excellent.....	4 grade points
B.....	Good.....	3 grade points
C.....	Average.....	2 grade points
D	Poor	1 grade points
F	Failing.....	0 grade points
W	Withdrawn.....	0 grade points
P.....	Pass	0 grade points
NP.....	No Pass.....	0 grade points
I.....	Incomplete.....	0 grade points
AU	Audit.....	0 grade points
WIP	Work in Progress	0 grade points
XF	Academic Integrity Violation.....	0 grade points
WA.....	Administrative Withdrawal	0 grade points

Grade Point Average (GPA):

Grade point average is a measure of scholastic performance

Academic Regulations

calculated by dividing the number of grade points by the hours of work attempted, using the grade point scale above. Grades A, B, C, D, F and XF are computed in the Grade Point Average. Grades of W, P, NP, I, AU and WA are not computed in the GPA. The numerical value of each letter grade is multiplied by the credit hour value of the course. The resulting total of grade points is divided by the total number of attempted hours.

W – Withdrawn

Students have the option to withdraw from individual courses when all other actions to retain the student have been unsuccessful. Students also have the option to withdraw completely from the College. See section under *Enrollment and Withdrawal* section for detailed information regarding the withdrawal process. A grade of “W” is recorded for a course withdrawal. If a student stops attending a course and does not follow the withdrawal process, a grade of “F” will be recorded for the course.

P/NP – Pass/No Pass

This “Pass/No Pass” option is available for selected workshops and courses. The P/NP does not compute in the GPA. A “P” equates to a “C” or better.

I - Incomplete

The student must request and receive the approval of the instructor to receive an Incomplete. This grade may be given at the end of the semester if the student has successfully completed more than 75% of the course. The instructor will file a “Request for an Incomplete” form from the Office of Student Records. If the “I” is not completed by the end of the following semester, the grade will be changed to an “F” and the GPA figured accordingly.

AU - Audit

Audit is allowed on a space available basis only. Courses taken for audit will not be granted credit and a grade of “AU” will be recorded. Courses taken for audit are for observation only. The student must complete an enrollment form for auditing a course and on this form receive the approval and signatures of the instructor and Vice-President for Academic Affairs.

ACADEMIC PROBATION & SUSPENSION SANCTIONS

For students at Cloud County Community College, academic probation and academic suspension are not punitive measures or disciplinary actions. The purpose of this policy is to provide opportunities for students to succeed.

The clear intent of these sanctions is:

- To identify students whose academic efforts have not been successful;
- To provide these students the opportunity for guidance in developing strategic plans to succeed at college level learning; and
- To link these students with staff and faculty who can offer support and encouragement to follow their plans through to success.

Satisfactory Academic Progress

To graduate, students must earn a minimum cumulative GPA

of 2.0. To reach this required minimum, students must maintain certain GPA minimums as compared to completed credit hours (see chart below).

Earned credit hour minimum for satisfactory academic progress: Students will pass 50% (grades A, B, C, D, or P) of stated credit hours in any given semester.

Academic Probation

Students who have attempted eleven or more cumulative credit hours at Cloud County Community College shall be placed on academic probation when the cumulative grade point average or semester grade point average is less than that needed to achieve satisfactory academic progress, or a student passes less than 50% of courses for which they are enrolled.

Satisfactory Academic Progress Chart

<u>Total Attempted Credit Hours</u>	<u>Minimum Career GPA</u>	<u>Minimum Semester GPA</u>
1-10 credit hours	N/A	N/A
11-20 credit hours	1.60	1.70
21-30 credit hours	1.70	1.70
31-40 credit hours	1.80	1.70
41-50 credit hours	1.90	1.70
51-94 credit hours	2.00	1.70

To register on academic probation, a student is required to take the following actions:

1. Meet with an academic advisor or the Student Retention Specialist at the Concordia Campus or the Geary County Campus to understand fully the terms of academic probation and the potential, subsequent status of academic suspension.
2. Complete a written action plan with specific academic goals that will facilitate achieving the required ratio of earned credit hours and cumulative GPA.
3. Enroll in the 1 credit hour course, Personal Assessment and Planning, as required by the action plan, to determine progress, as well as any additional action/intervention needed for the student to achieve the academic performance necessary to rise above academic probation and thus avoid academic suspension.

Students on probation or suspension from another college or university will enter Cloud County Community College on probation.

At the close of each semester, the academic performance of students on academic probation will be re-evaluated in terms of satisfactory academic progress.

If the student's semester and cumulative GPA meet the requirements for satisfactory academic progress and the student has completed at least 50% of the courses for which they are enrolled, the student no longer will be considered on academic probation.

Academic Regulations

If the student does not meet satisfactory academic progress requirements, the student will be placed on academic suspension after review by the Academic Probation and Suspension Committee.

The terms of academic suspension shall be as follows:

1. A student on academic suspension will not be eligible to register for the next regular fall or spring semester.
2. After one semester of academic suspension, the student may enroll on continuing academic probation status.

GRADUATION

In order to graduate, students are expected to complete the graduation requirements listed in the catalog that was in effect at the time they first enrolled. However, if graduation requirements change while the student is pursuing a degree, the student will have the choice of continuing with the old requirements, where those courses are available, or accepting the new requirements in order to graduate. If a student sits out two consecutive semesters, the student will be readmitted under the graduation requirement in the current catalog.

Graduation requirements are as follows:

- Completion of the general education requirements
- Completion of a minimum of 62 hours of credit (courses must be 100 level or above). Technical courses typically will not count toward AA or AS degree requirements. Technical courses include courses with prefixes of AH, IE, MS, NR, TD, WE as well as CDL and Agri-Biotechnology courses.
- An overall grade point average of at least 2.0 (courses must be 100 level or above)
- For the Associate of Applied Science Degree, completion of the departmentally approved program.
- Students completing requirements during the fall semester will be part of the May ceremony. Those students must submit a petition by December 1. Students completing requirements during the spring or summer semester must submit a petition by March 1 to participate in the commencement ceremony.
- No more than 12 hours of PE activity course credits can be used towards any of Cloud's associate degrees.
- A student must earn 15 hours of credit as a Cloud County Community College student for completion of the Associate's Degree being sought. For an Occupational Certificate, students must earn 8 of 30 hours of credit or 4 of 16 hours of credit as a CCCC student. These courses must be 100 level or above.

Cloud County Community College holds one commencement ceremony, which takes place in May. It is the responsibility of the student to meet all requirements for graduation, and to check with the Student Records Office well in advance so there are no deficiencies.

HONOR GRADUATE

A student meeting all graduation requirements for Cloud

County Community College and who has a 3.6 GPA or higher for **all college** credit hours completed (Cloud County Community College credits and all transfer hours) may be designated an Honor Graduate.

For commencement ceremony purposes in the spring, tentative Honor Graduates will be recognized based upon the cumulative GPA at the end of the fall semester. However, the official designation will take place after the final GPA is determined based upon the criteria stated above and the degree has been conferred. At that point, the designation of "Honor Graduate" will be noted on the student's transcript.

HONOR ROLL

The President's Honor Roll recognizes students who have earned a semester grade point average of 3.9 - 4.0. The Honor Roll includes students who have earned a semester grade point average of 3.6 to 3.899. In order to be eligible for these honor rolls, a student must complete a minimum of 12 hours in any given semester. These lists are published after the fall and spring semesters.

CREDIT BY EXAMINATION

1. Approval for credit by examination must be obtained from both the Vice President for Academic Affairs and the instructor prior to taking the exam. Forms are available in the Student Records Office. The exam must be taken within the first two weeks of the semester.
2. The student should enroll in the "quiz-out" course. If the examination is passed, the student will be deleted from the course and credit by examination noted on the transcript. The student may then enroll in a sequential course with approval of the Vice-President for Academic Affairs and the instructor. Enrollment in the quiz-out and sequential course may not be done concurrently.
3. An examination fee of \$15.00 will be charged for all attempted quiz-outs. Students will receive a grade for all courses successfully completed via the quiz-out method.
4. High school students are not eligible to quiz-out of a college course.

CREDIT FOR PRIOR LEARNING: AP, CLEP, MILITARY CREDIT, MILITARY AND INDUSTRY TRAINING AND EXPERIENCE

A variety of experiences can qualify a student for college credit. College Level Examination Program (CLEP) credit will be awarded for a minimum of 50 on the general and/or subject examinations. Advanced Placement (AP) credit will be awarded for a minimum score of three (3). These base scores are utilized by all institutions governed or coordinated by the Kansas Board of Regents. Other tests are evaluated by the Vice-President for Academic Affairs on a case-by-case basis.

Military credit that appears in a Joint Services transcript has been evaluated by the American Council on Education. To receive credit, the courses/training must be applicable to the student's program of study. Courses will be transcribed once the student

Academic Regulations

completes 12 credit hours through Cloud County Community College. Tuition will not be charged for any credit awarded through this process

Industry certifications, subject-specific training, and verified work experience can be assessed against course objectives for the awarding of credit. The Registrar's Office should be contacted for an evaluation of all documents regarding credit for prior learning.

CONCURRENT ENROLLMENT

The college cooperates with selected high schools by offering college courses to eligible high school students during the day. This Concurrent Enrollment Program is open to students who meet the eligibility requirements as established by the Kansas Board of Regents and Cloud County Community College. All students must meet established course prerequisites and have the appropriate test scores on file. All courses use college syllabi and textbooks. For more information, contact the Concurrent and Outreach Coordinator at 785-243-1435, ext. 373.

ARTICULATION AGREEMENTS

The college collaborates with area high schools and the State to create articulation agreements for the purpose of providing students with a seamless transition into post-secondary education. Articulation agreements afford students the opportunity to receive advanced training in a particular career and technical area while foregoing the repetitiveness of relearning skills and competencies that have been previously demonstrated. Courses are evaluated on an individual basis by career and technical faculty and may be awarded up to 3 hours of articulated credit. To receive articulated credit, the student must meet the provisions set forth in the agreement. Credit will be awarded to students who have successfully met the criteria of the agreement and have completed 12 credit hours in the career and technical program designated by the agreement at Cloud County Community College.

ACADEMIC DUE PROCESS

In order to provide the highest level of service to the student, Cloud County Community College has adopted a stepwise procedure for addressing any complaint or dispute related to academic matters. Students may obtain the complete grievance policy by contacting the Academic Affairs Office. After obtaining a copy of the policy from the Academic Affairs Office, students who wish to appeal any academic dispute arising from an academic endeavor must start the process by:

Step 1: Within ten (10) working days following the academic dispute, the student shall personally meet with the instructor to discuss resolution of the matter. The student must provide reasonable notice of any objection or complaint to the instructor. Both student and instructor shall make a good faith effort in settling any dispute at this level.

Step 2: If a student is not satisfied with the results of Step 1, the student should present a written summary of the complaint to the appropriate Division Dean within five (5) business days following the completion of Step 1.

Step 3: If resolution is not achieved at Step 2, the student shall present a written summary of the complaint to the Vice-President for Academic Affairs within five (5) business days of the completion of Step 2.

Step 4: Should the matter not be resolved, the student must submit a copy of the complaint to the College President within five (5) business days of Step 3.

Step 5: Issues not resolved in Step 4 must be presented in writing to the Board of Trustees within five (5) business days of the completion of Step 4.

Step 6: Use of this complaint procedure is not a prerequisite to the pursuit of other remedies. In addition to utilizing the college's complaint process, the following outlets exist for seeking redress of grievances. Complaints regarding State Authorization Reciprocity Agreement (SARA) courses may be filed by the student with the Kansas Board of Regents. Complaints regarding an institution's on-going ability to meet the Criteria of Accreditation may be filed by following the guidelines of the North Central Association of the Higher Learning Commission (NCAHLC) at <https://www.hlcommission.org/HLC-Institutions/complaints.html>.

ACADEMIC HONESTY

A standard of honor, fair play, trust, and honesty - fairly applied - is essential to a good learning environment. Students are expected to adhere to such standards in all areas of academic pursuit. Students who compromise the integrity of the classroom are subject to disciplinary action on the part of the College.

ATTENDANCE

Cloud County Community College regards punctual attendance as integral to all courses and expects it of its students. Students are expected to attend all classes as scheduled regardless of delivery format. For online learners, regular, systematic weekly participation is expected according to the tenets established on the course syllabus. See Policy D4 for more information.

Each instructor's attendance requirements will be published in the course syllabus. Penalties for excessive absences, which may include a reduction of the course grade, must be included in the course's syllabus.

The instructor or the Student Retention Specialist may notify students whose class performance has been jeopardized by excessive absences.

LEAVE OF ABSENCE

Cloud County Community College is committed to student success and provides services to help students who need an extended leave of absence due to personal tragedy, family illness, death in the family, or other sudden personal issue.

If a student needs an extended leave of absence due to one of the above circumstances, please notify the Director of Advisement and Retention Services located in the Advisement Center. A form must be completed and signed prior to leaving campus by both the student and their instructors providing an understanding of the estimated time a student will be gone from campus, when the

Academic Regulations

student expects to return to campus, and the course expectations during the leave of absence. The Leave of Absence form does not serve as a contract, but rather a tool for communication between the student and their instructors. In emergency situations when the student is not able to contact the Advisement Center, a family member or friend should notify the Advisement Center for the student. The Director of Advisement and Retention Services will then notify the student's instructors and the Vice President for Academic Affairs.

ASSESSMENT OF STUDENT LEARNING

Assessment of student learning is a critical part of the education process at CCCC. Ongoing assessment of student learning is a means for the College to measure its success in meeting the mission and for continued enhancement of both academic programs and student services. Contributions by students constitute a critical source of assessment data. Throughout their educational career at CCCC, all students will be expected to contribute to the assessment program by completing surveys, standardized tests, submitting academic work products, working with academic advisors, and completing exit interviews as required by specific programs. CCCC believes assessment of student learning leads to decisions which affect the entire college thus CCCC faculty, staff and administration are committed to an ongoing assessment program to continually improve teaching and learning.



Programs of Study

TRANSFER PROGRAM

The transfer program is designed for students planning to enter professions requiring a bachelor's degree. During their time at Cloud, students work toward completing the Associate of Arts or the Associate of Science degree. These degrees contain required General Education courses as well as several credit hours of electives which, with the aid of an Academic Advisor, may be selected to fulfill course needs in the student's desired major at a four-year college or university. Transfer materials for regional colleges and universities are available in the Advisement Center to assist students and advisors with course selection.

Selecting a transfer Associate's degree allows students to complete freshman and sophomore-level courses that will prepare them to pursue majors in the following areas at a technical college or four-year university.

Agriculture
Ag Production & Services
Pre-Veterinary Medicine
Anthropology
Architecture
Art
Business
Counseling
Communications
English
Speech/Theatre
Journalism/Mass Communications
Education - Teacher Licensure
Early Childhood
Elementary
Physical Education K-12
Secondary
Family Studies & Human Services
Health & Human Performance
Athletic Training
Coaching
Kinesiology/Exercise Science
Sport Management

Health Related Professions
Chiropractic
Dental Hygiene
Dentistry
Medical Technology
Medicine
Nursing BSN
Occupational Therapy/
Occupational Therapy Asst.
Pharmacist/Pharmacist Asst.
Physical Therapy/Physical
Therapy Asst.
Physician Assistant
Radiological Technology
Respiratory Therapy
History
Mathematics
Music
Psychology
Political Science/Law
Science
Biology
Chemistry
Physical Science
Physics
Social Science
Social Work
Sociology

Many courses are also offered online. For more information, go to www.cloud.edu, and click on "Online Classes" under the Academics tab.

CAREER PROGRAMS

The career program is for students who want to enter the workforce after obtaining an associate degree. An Associate of Applied Science degree is awarded after completion of a minimum of 62 hours in a departmentally approved program, and 124 grade points. This degree allows students flexibility in selected courses applicable to their needs. Of the hours required, a minimum of 18 hours must be General Education courses. Certificates are also available in the career programs. Many of the courses are available to take online. For more information, go to www.cloud.edu, and click on the "Online Classes" under the Academics tab for an overview of enrollment procedures.

- **Agri-Biotechnology**
- **Agricultural Production and Services**
- **Precision Agriculture**
- **General Business**
- **Communications**
 - **Journalism - Mass Communications**
 - **Visual Communication**
- **Emergency Medical Technician**
- **Nursing & Allied Health**
- **Technical Studies**
- **Unmanned Aircraft Systems**
- **Wind Energy Technology**



KS Degree Stats.org

There are many factors to consider when picking the college and the degree that are the best match for you. Explore: ksdegreestats.org to learn more about the specific costs of each undergraduate degree program offered in Kansas, and the earnings those graduates are making today.

Programs of Study

COURSE TRANSFER

COURSE TRANSFER

The Kansas Board of Regents has now approved a list of courses for guaranteed transfer among all Kansas public post-secondary institutions. A student who completes these courses at any Kansas public community college, technical college, or university can be certain that he or she can transfer that course to any other public institution in Kansas in pursuit of a degree or credential.

A list of the courses approved for the statewide guaranteed transfer may be found at www.kansasregents.org/transfer_articulation. Additional courses are added annually.

status and which courses are needed to finish the related degree. Students who then complete the coursework for a given associate degree will be eligible to receive that degree, administered automatically by correspondence between the new institution and the university, community college or technical college the student last attended.

Visit http://www.kansasregents.org/transfer_articulation for more information.

UNDECLARED EMPHASIS

Students uncertain about future goals may want to enter the undeclared degree program. Many students enroll in this program the first year of college until a definite goal has been established. Students planning to transfer should declare a transfer institution. This program provides students with an opportunity to take introductory courses in several areas of interest.

REVERSE TRANSFER

REVERSE TRANSFER

Students who transfer to a Kansas public university from a Kansas public community college or technical college (or vice versa) are eligible for Reverse Transfer, which allows for the attainment of any associate degree for which one is eligible along the way to additional certificates and degrees. Within a student's first semester, those who transfer coursework from a public university, community college or technical college will be notified if they are eligible to be considered for reverse transfer degree

CURRICULUM GUIDES

The curriculum guides that follow in this catalog are only guides. The general core electives may be rearranged from one semester to another as long as the required electives are completed for the degree sought. Although sixty-two hours are the minimum required for an Associate Degree, actual credits earned will vary dependent upon course selections. Degree requirements and core electives can be found elsewhere in this catalog. Each transfer university accepts different courses to fulfill requirements. Students should check with the Advisement Center before enrolling in courses.



Programs of Study

AGRICULTURE

AGRI-BIOTECHNOLOGY

Associate of Applied Science

The Agri-biotechnology AAS degree and Certificate programs will prepare students for entry-level positions in the emerging biotechnology industry. The program provides a strong scientific background and extensive laboratory experience in methods currently used in research, government, and industry laboratories. Courses incorporate various skills important for employment in entry-level positions in the bioscience industry including laboratory techniques and instrumentation, basic computer skills associated with generating, analyzing and presenting experimental data, documentation of laboratory procedures according to industry standards, and regulatory affairs governing the bioscience industry. Students will learn to effectively work in cooperative teams in a laboratory setting to plan and complete experiments in a timely manner.

*All electives should be selected with assistance from an advisor. Substitutions must be approved by the department chair.

Contact: Taryn Cipra
(785) 243-1435, ext 343
tcypra@cloud.edu

Program Information: The Associates of Applied Science in the agriculture area is designed to enable students to begin a career in a variety of agricultural programs throughout the state of Kansas and across the Midwest.

Recommended Course Sequence:

First Semester: AG160, SC131
Second Semester: SC110, SC111, SC112, AG127
Third Semester: AG236, AG147
Fourth Semester: AG237

Requirements: Depending on ACT scores and/or placement exams, students may be required to take developmental courses which may add to the length of study.

After Cloud: Obtaining an Associate of Applied Science in this area should prepare a student to enter the work force. This is specifically a "School to Work" or "Career Ready" program.

Gainful Employment: The program results in an Associate of Applied Science degree which prepares students to begin a career in the agriculture production and services area. Students who obtain a degree in this field could apply these skills to careers such as agricultural production, agriculture management, or agricultural science related fields. Entry level employments in these fields are in the \$15,000 to \$25,000 range.

Transfer Institution Guide: A student who is interested in pursuing a baccalaureate degree should consult a CCCC advisor and the transfer guide and catalog of the four-year institution.



General Education Required Courses 20 cr

<i>Communication Requirement</i>	6
CM101 English Composition I (3 cr)	
CM115 Public Speaking (3 cr)	
<i>Humanities Requirement (out of following areas)</i>	3
Art	Humanities
Music	Literature
Theatre	Philosophy
Foreign Language	History
<i>Mathematics Requirement</i>	3
MA110 Intermediate Algebra (3 cr) or	
MA105 Survey of Math (3 cr) or	
Mathematics General Education Course	
<i>Natural Science Requirement</i>	5
SC110 Principles of Biology	
<i>Social/Behavioral Science Requirement</i>	3
SS130 Introduction to Sociology	

Required Courses 30 cr

AG127 Ag Science for Agri-Biotechnology	4
AG147 Lab Methods in Agri-Biotechnology	4
AG160 Introduction to Biotechnology	3
AG236 Molecular Biology for Agri-Biotechnology	4
AG237 Integrated Organic Chemistry & Biochemistry for Agri-Biotechnology	5
SC110 Principles of Biology I	5
SC111 Microbiology Lecture	3
SC112 Microbiology Lab	2
SC131 Chemistry I	5

Elective Courses* 17 cr

AG101 Plant Science	4
AG108 Environmental Quality	3
AG109 Environmental Quality Lab	1
AG115 Animal Science	3
AG220 Cooperative Ed Internship	2
SC120 Human Anatomy & Physiology I	4
SC121 Human Anatomy & Physiology II	4

Credits Required 67

Programs of Study

AGRICULTURE

AGRI-BIOTECHNOLOGY

Associate of Applied Science

Suggested Semester Guideline

Semester 1

AG 160	Introduction to Biotechnology	3 credit hours
CM 101	English Composition I	3 credit hours
	Mathematics General Education	3 credit hours
	Social Science General Education	3 credit hours
SC 131	Chemistry I	<u>5 credit hours</u>
	Total:	17 credit hours

Semester 2

AG 127	Ag Science for Agri-Biotechnology	4 credit hours
	Ag Elective	3 credit hours
SC110	Principles of Biology I	5 credit hours
SC111	Microbiology	3 credit hours
SC112	Microbiology Lab	<u>2 credit hours</u>
	Total:	17 credit hours

Semester 3

AG 108	Environmental Quality	3 credit hours
AG 109	Environmental Quality Lab	1 credit hour
AG 147	Lab Methods in Agri-Biotechnology	4 credit hours
AG 236	Molecular Biology for Agri-Biotechnology	4 credit hours
CM 115	Public Speaking	<u>3 credit hours</u>
	Total:	15 credit hours

Semester 4

AG 237	Integrated Organic & Biochemistry for Agri-Biotechnology	5 credit hours
	Social Science General Education	3 credit hours
	Humanities General Education	3 credit hours
	AG Elective	3 credit hours
	AG Elective	<u>4 credit hours</u>
	Total:	18 credit hours
		67 credit hours

Programs of Study

AGRICULTURE

AGRI-BIOTECHNOLOGY

32-Hour Certificate

The Agri-biotechnology AAS degree and Certificate programs will prepare students for entry-level positions in the emerging biotechnology industry. The program provides a strong scientific background and extensive laboratory experience in methods currently used in research, government, and industry laboratories. Courses incorporate various skills important for employment in entry-level positions in the bioscience industry including laboratory techniques and instrumentation, basic computer skills associated with generating, analyzing and presenting experimental data, documentation of laboratory procedures according to industry standards, and regulatory affairs governing the bioscience industry. Students will learn to effectively work in cooperative teams in a laboratory setting to plan and complete experiments in a timely manner.

General Education Required Courses 9 cr

SC101 General Biology	4
SC130 General Chemistry	5

Required Courses 23 cr

CM101 English Composition I	3
AG127 Ag Science for Agri-Biotechnology	4
AG147 Lab Methods for Agri-Biotechnology	4
AG160 Introduction to Biotechnology	3
AG236 Molecular Biology for Agri-Biotechnology	4
AG237 Integrated Organic Chemistry & Biochemistry for Agri-Biotechnology	5

Credits Required 32

*All electives should be selected with assistance from an advisor. Substitutions must be approved by the department chair.

Contact: Taryn Cipra
(785) 243-1435, ext 343
tcipra@cloud.edu

Certificate Information: The Agri-Biotechnology Certificate is designed to enable students to gain training and knowledge in this area or would allow them to continue into an advanced degree.

Recommended Course Sequence:

First Semester: SC101, SC130, AG127, AG160
Second Semester: AG147, AG236, AG237

Requirements: Depending on ACT scores and/or placement exams, students may be required to take developmental courses which may add to the length of study.

After Cloud: Obtaining an Associate of Applied Science in this area should prepare a student to enter the work force. This is specifically a "School to Work" or "Career Ready" program.

Gainful Employment: Obtaining a certificate in Agri-Biotechnology provides the student an opportunity to improve basic skills/knowledge in this field. Gainful Employment data would be comparable to various entry-level positions at or above minimum wage values.

Transfer Institution Guide: A student who is interested in pursuing a baccalaureate degree should consult a CCCC advisor and the transfer guide and catalog of the four-year institution.



Programs of Study

AGRICULTURE

AGRI-BIOTECHNOLOGY

32-Hour Certificate

Suggested Semester Guideline

Semester 1

AG 127	Ag Science for Agri-Biotechnology	4 credit hours
AG 160	Introduction to Biotechnology	3 credit hours
SC 101	General Biology	4 credit hours
SC130	General Chemistry	<u>5 credit hours</u>
	Total:	16 credit hours

Semester 2

AG 147	Lab Methods in Agri-Biotechnology	4 credit hours
AG 236	Molecular Biology for Agri-Biotechnology	4 credit hours
AG 237	Integrated Organic & Biochemistry for Agri-Biotechnology	5 credit hours
CM101	English Composition I	<u>3 credit hours</u>
	Total:	16 credit hours
		32 credit hours



Programs of Study

AGRICULTURE

AGRICULTURE PRODUCTION & SERVICES

AGRICULTURE COMMUNICATIONS EMPHASIS

Associate of Science

This curriculum is designed to help prepare students to work in the business or production areas of agriculture. Courses are selected according to student interests and needs. Upon completion of this program, most students become employees in an ag business or in agriculture production.

Contact: Jamieson Gross
(785) 243-1435, ext 273
jgross@cloud.edu

Degree Information: The Associates of Science in the agriculture area is designed to enable students to transfer into a variety of major programs at K-State, Fort Hays, and other agriculture programs across the Midwest.

Recommended Course Sequence:

First Semester: AG115, AG210, SC131
Second Semester: AG130, AG108, AG109
Third Semester: AG101, AG134
Fourth Semester: AG132

Students can select an area of emphasis: These general areas align with programs at universities and allow students to narrow their focus after they transfer. Faculty advisors will direct students toward basic courses needed for the major program at the university of transfer.

Requirements: Depending on ACT scores and/or placement exams, students may be required to take developmental courses which may add to the length of study.

After Cloud: Obtaining an Associate of Science in this area should prepare a student to transfer into a four-year baccalaureate program. This is not specifically a "School to Work" or "Career Ready" program.

Gainful Employment: The program results in an Associate of Science degree which prepares students for further study at a four-year institution. Students who obtain a bachelor's degree in this field could apply these skills to careers such as agricultural production, agriculture management, or agricultural science related fields. Entry level employments in these fields are in the \$20,000 to \$30,000 range. Ag production degrees are also particularly well-suited to continuing education for the career of high school teacher (requires state certification) or vet medicine related degrees (requires professional degree beyond the Bachelor's degree).

Transfer Institution Guide: A student who is interested in pursuing a baccalaureate degree should consult a CCCC advisor and the transfer guide and catalog of the four-year institution.

Minimum General Education Required Courses 32 cr

<i>Communication Requirement</i>	9
CM101 English Composition I (3 cr)	
CM102 English Composition II (3 cr)	
CM115 Public Speaking (3 cr) or	
CM240 Interpersonal Communications (3 cr)	
<i>Humanities Requirement (2 areas required)</i>	6
Art Humanities	
Music Literature	
Theatre Philosophy	
Foreign Language History	
<i>Mathematics Requirement</i>	3
Mathematics General Education Course	
<i>Natural Science Requirement (2 areas required)</i>	8-10
Physical Science (4-5 cr)	
Biological Science (4-5 cr)	
<i>Social/Behavioral Science Requirement (2 areas required)</i>	6
Economics Anthropology	
Psychology Political Science	
Sociology Geography	

Elective Courses 32 cr

AG101 Plant Science	4
AG108 Environmental Quality	3
AG109 Environmental Quality Lab	1
AG115 Animal Science	3
AG130 Principles of Ag Economics	3
AG132 Agriculture Management	3
AG134 Agriculture Marketing	3
AG210 Agriculture Advertising and Design	3
AG220 Cooperative Ed Internship	1-6
AG155 Comparative Ag	1
AG190 Marketing the Equine Industry	3
AG217 Farm Computer Applications	3
AG300 Commercial Driver's License	3
BE188 Principles of Advertising	3
CM136 Mass Communications Software	3
JN100 Mass Media in Society	3
JN123 Intro to Multi-Media Communication	3

Credits Required 64

*All electives should be selected with assistance from an advisor. These options are general areas that will transfer to focused majors. Substitutions must be approved by the department chair.



Programs of Study

AGRICULTURE

AGRICULTURE PRODUCTION & SERVICES

AGRICULTURE COMMUNICATIONS EMPHASIS

Associate of Science

Suggested Semester Guideline

Semester 1

AG 115	Animal Science	3 credit hours
AG 210	Agriculture Advertising and Design	3 credit hours
CM 101	English Composition I	3 credit hours
	Mathematics General Education	3 credit hours
SC 131	Chemistry I	<u>5 credit hours</u>
	Total:	17 credit hours

Semester 2

AG 108	Environmental Quality	3 credit hours
AG 109	Environmental Quality Lab	1 credit hour
AG 130	Principles of Ag Economics	3 credit hours
CM 102	English Composition II	3 credit hours
	Social Science General Education	3 credit hours
	Humanities General Education	<u>3 credit hours</u>
	Total:	16 credit hours

Semester 3

AG 101	Plant Science	4 credit hours
AG 134	Agriculture Marketing	3 credit hours
CM 115	Public Speaking	3 credit hours
SC 110	Principles of Biology I	5 credit hours
	AG, CM, or JN Elective	<u>1 credit hour</u>
	Total:	16 credit hours

Semester 4

AG 132	Agriculture Management	3 credit hours
	Social Science General Education	3 credit hours
	Humanities General Education	3 credit hours
	AG, CM, or JN Elective	3 credit hours
	AG, CM, or JN Elective	<u>3 credit hours</u>
	Total:	15 credit hours
		64 credit hours

Programs of Study

AGRICULTURE

AGRICULTURE PRODUCTION & SERVICES

AGRICULTURE ECONOMICS EMPHASIS

Associate of Science

This curriculum is designed to help prepare students to work in the business or production areas of agriculture. Courses are selected according to student interests and needs. Upon completion of this program, most students become employees in an ag business or in agriculture production.

Contact: Jamieson Gross
(785) 243-1435, ext 273
jgross@cloud.edu

Program Information: The Associates of Science in the agriculture area is designed to enable students to transfer into a variety of major programs at K-State, Fort Hays, and other agriculture programs across the Midwest.

Recommended Course Sequence:

First Semester: AG115, SC131, AG210
Second Semester: AG130, AG108, AG109
Third Semester: AG101, AG134
Fourth Semester: AG132

Students can select an area of emphasis: These general areas align with programs at universities and allow students to narrow their focus after they transfer. Faculty advisors will direct students toward basic courses needed for the major program at the university of transfer.

Requirements: Depending on ACT scores and/or placement exams, students may be required to take developmental courses which may add to the length of study.

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Gainful Employment: The program results in an Associate of Science degree which prepares students for further study at a four-year institution. Students who obtain a bachelor's degree in this field could apply these skills to careers such as agricultural production, agriculture management, or agricultural science related fields. Entry level employments in these fields are in the \$20,000 to \$30,000 range. Ag production degrees are also particularly well-suited to continuing education for the career of high school teacher (requires state certification) or vet medicine related degrees (requires professional degree beyond the Bachelor's degree).

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Minimum General Education Required Courses 32 cr

<i>Communication Requirement</i>	9
CM101 English Composition I (3 cr)	
CM102 English Composition II (3 cr)	
CM115 Public Speaking (3 cr) or	
CM240 Interpersonal Communications (3 cr)	
<i>Humanities Requirement (2 areas required)</i>	6
Art	Humanities
Music	Literature
Theatre	Philosophy
Foreign Language	History
<i>Mathematics Requirement</i>	3
Mathematics General Education Course	
<i>Natural Science Requirement (2 areas required)</i>	8-10
Physical Science (4-5 cr)	
Biological Science (4-5 cr)	
<i>Social/Behavioral Science Requirement</i>	6
(2 areas required)	
Economics	Anthropology
Psychology	Political Science
Sociology	Geography

Elective Courses 32 cr

AG101 Plant Science	4
AG108 Environmental Quality	3
AG109 Environmental Quality Lab	1
AG115 Animal Science	3
AG130 Principles of Ag Economics	3
AG132 Agriculture Marketing	3
AG134 Agriculture Management	3
AG210 Agriculture Advertising and Design	3
AG220 Cooperative Ed Internship	1-6
AG155 Comparative Ag	1
AG190 Marketing the Equine Industry	3
AG217 Farm Computer Applications	3
AG300 Commercial Driver's License	3
BE188 Principles of Advertising	3
CM136 Mass Communications Software	3
JN100 Mass Media in Society	3
JN123 Intro to Multi-Media Communication	3

Credits Required 64

*All electives should be selected with assistance from an advisor. These options are general areas that will transfer to focused majors. Substitutions must be approved by the department chair.



Programs of Study

AGRICULTURE

AGRICULTURE PRODUCTION & SERVICES

AGRICULTURE ECONOMICS EMPHASIS

Associate of Science

Suggested Semester Guideline

Semester 1

AG 115	Animal Science	3 credit hours
AG 210	Agriculture Advertising and Design	3 credit hours
CM 101	English Composition I	3 credit hours
	Mathematics General Education	3 credit hours
SC 131	Chemistry I	<u>5 credit hours</u>
	Total:	17 credit hours

Semester 2

AG 108	Environmental Quality	3 credit hours
AG 109	Environmental Quality Lab	1 credit hour
AG 130	Principles of Ag Economics	3 credit hours
CM 102	English Composition II	3 credit hours
	Social Science General Education	3 credit hours
	Humanities General Education	<u>3 credit hours</u>
	Total:	16 credit hours

Semester 3

AG 101	Plant Science	4 credit hours
AG 134	Agriculture Marketing	3 credit hours
CM 115	Public Speaking	3 credit hours
SC 110	Principles of Biology I	5 credit hours
	AG, CM, or JN Elective	<u>1 credit hour</u>
	Total:	16 credit hours

Semester 4

AG 132	Agriculture Management	3 credit hours
	Social Science General Education	3 credit hours
	Humanities General Education	3 credit hours
	AG, CM, or JN Elective	3 credit hours
	AG, CM, or JN Elective	<u>3 credit hours</u>
	Total:	15 credit hours
		64 credit hours

Programs of Study

AGRICULTURE

AGRICULTURE PRODUCTION & SERVICES

AGRICULTURE ECONOMICS EMPHASIS

Associate of Applied Science

This curriculum is designed to help prepare students to work in the business or production areas of agriculture. Courses are selected according to student interests and needs. Upon completion of this program, most students become employees in an ag business or in agriculture production.

Contact: Jamieson Gross
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Program Information: The Associates of Applied Science in the agriculture area is designed to enable students to begin a career in a variety of agricultural programs throughout the state of Kansas and across the Midwest.

Recommended Course Sequence:

First Semester: AG115, AG210
Second Semester: AG130, AG108, AG109
Third Semester: AG134, AG101
Fourth Semester: AG132

Requirements: Depending on ACT scores and/or placement exams, students may be required to take developmental courses which may add to the length of study.

After Cloud: Obtaining an Associate of Applied Science in this area should prepare a student to enter the work force. This is specifically a "School to Work" or "Career Ready" program.

Gainful Employment: The program results in an Associate of Applied Science degree which prepares students to begin a career in the agriculture production and services area. Students who obtain a degree in this field could apply these skills to careers such as agricultural production, agriculture management, or agricultural science related fields. Entry level employments in these fields are in the \$15,000 to \$25,000 range.

Transfer Institution Guide: A student who is interested in pursuing a baccalaureate degree should consult a CCCC advisor and the transfer guide and catalog of the four-year institution.

General Education Required Courses 19 cr

<i>Communication Requirement</i>	6
CM101 English Composition I (3 cr)	
CM115 Public Speaking (3 cr)	
<i>Humanities Requirement (out of following areas)</i>	3
Art Humanities	
Music Literature	
Theatre Philosophy	
Foreign Language History	
<i>Mathematics Requirement</i>	3
MA110 Intermediate Algebra (3 cr) or	
MA105 Survey of Math (3 cr) or	
Mathematics General Education Course	
<i>Natural Science Requirement</i>	4
Physical Science or Biological Science	
<i>Social/Behavioral Science Requirement</i>	3
(1 out of 6 areas required)	
Economics Anthropology	
Psychology Political Science	
Sociology Geography	

Required Courses 19 cr

AG101 Plant Science	4
AG115 Animal Science	3
AG130 Principles of Ag Economics	3
AG132 Agriculture Management	3
AG134 Agriculture Marketing	3
AG210 Agriculture Advertising and Design	3

Elective Courses * 24 cr

AG155 Comparative Ag	1
AG157 Equine Industry Management I	3
AG190 Marketing the Equine Industry	3
AG217 Farm Computer Applications	3
AG300 Commercial Driver's License	3
BE161 Accounting I	3
BE162 Accounting II	3
BE188 Principles of Advertising	3
EC101 Economics I	3
AG220 Cooperative Ed Internship	1-6

Credits Required 62

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Programs of Study

AGRICULTURE

AGRICULTURE PRODUCTION & SERVICES

AGRICULTURE ECONOMICS EMPHASIS

Associate of Applied Science Suggested Semester Guideline

Semester 1

AG 115	Animal Science	3 credit hours
AG 210	Agriculture Advertising and Design	3 credit hours
CM 101	English Composition I	3 credit hours
	Mathematics General Education	3 credit hours
SC 131	Chemistry I	<u>5 credit hours</u>
	Total:	17 credit hours

Semester 2

AG 108	Environmental Quality	3 credit hours
AG 109	Environmental Quality Lab	1 credit hour
AG 130	Principles of Ag Economics	3 credit hours
	Humanities General Education	3 credit hours
	Ag or Business Elective	3 credit hours
	Ag or Business Elective	<u>3 credit hours</u>
	Total:	16 credit hours

Semester 3

AG 101	Plant Science	4 credit hours
AG 134	Agriculture Marketing	3 credit hours
CM 115	Public Speaking	3 credit hours
SC 110	Principles of Biology	<u>5 credit hours</u>
	Total:	15 credit hours

Semester 4

AG 132	Agriculture Management	3 credit hours
	Social Science General Education	3 credit hours
	AG or Business Elective	3 credit hours
	AG or Business Elective	3 credit hours
	AG or Business Elective	<u>3 credit hours</u>
	Total:	15 credit hours
		63 credit hours

Programs of Study

AGRICULTURE

AGRICULTURE PRODUCTION & SERVICES

AGRONOMY EMPHASIS

Associate of Science

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Minimum General Education Required Courses 32 cr

<i>Communication Requirement</i>	9
CM101 English Composition I (3 cr)	
CM102 English Composition II (3 cr)	
CM115 Public Speaking (3 cr) or	
CM240 Interpersonal Communications (3 cr)	
<i>Humanities Requirement (2 areas required)</i>	6
Art Humanities	
Music Literature	
Theatre Philosophy	
Foreign Language History	
<i>Mathematics Requirement</i>	3
Mathematics General Education Course	
<i>Natural Science Requirement (2 areas required)</i>	8-10
Physical Science (4-5 cr)	
Biological Science (4-5 cr)	
<i>Social/Behavioral Science Requirement (2 areas required)</i>	6
Economics Anthropology	
Psychology Political Science	
Sociology Geography	

Elective Courses 32 cr

AG101 Plant Science	4
AG102 Intro to Plant Pest Control	3
AG103 Plant & Soils for Crop Production	3
AG105 Range Management	3
AG106 Soil Classification and Evaluation	1
AG107 Agronomy ID & Experimentation	1
AG108 Environmental Quality	3
AG109 Environmental Quality Lab	1
AG112 Agronomy ID & Experimentation II	1
AG115 Animal Science	3
AG130 Principles of Ag Economics	3
AG155 Comparative Ag	1
AG160 Introduction to Biotechnology	3
AG164 Advanced Soil Classification & Evaluation	1
AG210 Agriculture Advertising and Design	3
AG220 Cooperative Ed Internship	1-6
WE240 GIS/GPS	3

Credits Required 64

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Program Information: The Associates of Science in the agriculture area is designed to enable students to transfer into a variety of major programs at K-State, Fort Hays, and other agriculture programs across the Midwest.

Recommended Course Sequence:

First Semester: AG115, SC131, AG210
Second Semester: AG130, AG108, AG109
Third Semester: AG101, AG134
Fourth Semester: AG132

Students can select an area of emphasis: These general areas align with programs at universities and allow students to narrow their focus after they transfer. Faculty advisors will direct students toward basic courses needed for the major program at the university of transfer.

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Gainful Employment: The program results in an Associate of Science degree which prepares students for further study at a four-year institution. Students who obtain a bachelor's degree in this field could apply these skills to careers such as agricultural production, agriculture management, or agricultural science related fields. Entry level employments in these fields are in the \$20,000 to \$30,000 range. Ag production degrees are also particularly well-suited to continuing education for the career of high school teacher (requires state certification) or vet medicine related degrees (requires professional degree beyond the Bachelor's degree).

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Programs of Study

AGRICULTURE

AGRICULTURE PRODUCTION & SERVICES

AGRONOMY EMPHASIS

Associate of Science

Suggested Semester Guideline

Semester 1

AG 115	Animal Science	3 credit hours
AG 210	Agriculture Advertising and Design	3 credit hours
CM 101	English Composition I	3 credit hours
	Mathematics General Education	3 credit hours
SC 131	Chemistry I	<u>5 credit hours</u>
	Total:	17 credit hours

Semester 2

AG 108	Environmental Quality	3 credit hours
AG 109	Environmental Quality Lab	1 credit hour
AG 130	Principles of Ag Economics	3 credit hours
CM 102	English Composition II	3 credit hours
	Humanities General Education	3 credit hours
	Social Science General Education	<u>3 credit hours</u>
	Total:	16 credit hours

Semester 3

AG 101	Plant Science	4 credit hours
AG 134	Agriculture Marketing	3 credit hours
CM 115	Public Speaking	3 credit hours
SC 110	Principles of Biology I	5 credit hours
	Agronomy Elective	<u>1 credit hour</u>
	Total:	16 credit hours

Semester 4

AG 132	Agriculture Management	3 credit hours
	Social Science General Education	3 credit hours
	Humanities General Education	3 credit hours
	Agronomy Elective	3 credit hours
	Agronomy Elective	<u>3 credit hours</u>
	Total:	15 credit hours
		64 credit hours

Programs of Study

AGRICULTURE

AGRICULTURE PRODUCTION & SERVICES

AGRONOMY EMPHASIS

Associate of Applied Science

This curriculum is designed to help prepare students to work in the business or production areas of agriculture. Courses are selected according to student interests and needs. Upon completion of this program, most students become employees in an ag business or in agriculture production.

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jgross@cloud.edu

General Education Required Courses 19 cr

<i>Communication Requirement</i>	6
CM101 English Composition I (3 cr)	
CM115 Public Speaking (3 cr)	
<i>Humanities Requirement (out of following areas)</i>	3
Art	Humanities
Music	Literature
Theatre	Philosophy
Foreign Language	History
<i>Mathematics Requirement</i>	3
MA110 Intermediate Algebra (3 cr) or	
MA105 Survey of Math (3 cr) or	
Mathematics General Education Course	
<i>Natural Science Requirement</i>	4
Science Gen Ed with Lab	
<i>Social/Behavioral Science Requirement</i>	3
(1 out of 6 areas required)	
Economics	Anthropology
Psychology	Political Science
Sociology	Geography

Program Information: The Associates of Applied Science in the agriculture area is designed to enable students to begin a career in a variety of agricultural programs throughout the state of Kansas and across the Midwest.

Recommended Course Sequence:

First Semester: AG115, AG210, SC131
Second Semester: AG130, AG108, AG109
Third Semester: AG101, AG134
Fourth Semester: AG132

Requirements: Depending on ACT scores and/or placement exams, students may be required to take developmental courses which may add to the length of study.

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Transfer Institution Guide: A student who is interested in pursuing a baccalaureate degree should consult a CCCC advisor and the transfer guide and catalog of the four-year institution.

Required Courses 19 cr

AG101 Plant Science	4
AG115 Animal Science	3
AG130 Principles of Ag Economics	3
AG132 Agriculture Management	3
AG134 Agriculture Marketing	3
AG210 Agriculture Advertising and Design	3

Elective Courses * 24 cr

AG102 Intro to Plant Pest Control	3
AG103 Plant & Soils for Crop Production	3
AG104 Soils (Suggested)	4
AG105 Range Management	3
AG106 Soil Classification and Evaluation	1
AG107 Agronomy Id & Experimentation	1
AG108 Environmental Quality	3
AG109 Environmental Quality Lab	1
AG112 Agronomy Id & Experimentation II	1
AG155 Comparative Ag	1
AG160 Introduction to Biotechnology	3
AG164 Advanced Soil Classification & Evaluation	1
AG170 Wildlife Management	3
AG220 Cooperative Ed Internship	1-6
AG300 Commercial Driver's License	1
BE152 Salesmanship	3
WE240 GIS/GPS	3

Credits Required 62



Programs of Study

AGRICULTURE

AGRICULTURE PRODUCTION & SERVICES

AGRONOMY EMPHASIS

Associate of Applied Science Suggested Semester Guideline

Semester 1

AG 115	Animal Science	3 credit hours
AG 210	Agriculture Advertising and Design	3 credit hours
CM 101	English Composition I	3 credit hours
MA 110	Intermediate Algebra or MA105 Survey of Math	3 credit hours
SC 131	Chemistry I	<u>5 credit hours</u>
	Total:	17 credit hours

Semester 2

AG 108	Environmental Quality	3 credit hours
AG 109	Environmental Quality Lab	1 credit hour
AG 130	Principles of Ag Economics	3 credit hours
	Humanities General Education	3 credit hours
	Agronomy Elective	3 credit hours
	Agronomy Elective	<u>3 credit hours</u>
	Total:	16 credit hours

Semester 3

AG 101	Plant Science	4 credit hours
AG 134	Agriculture Marketing	3 credit hours
CM 115	Public Speaking	3 credit hours
SC 110	Principles of Biology I	<u>5 credit hours</u>
	Total:	15 credit hours

Semester 4

AG 132	Agriculture Management	3 credit hours
	Social Science General Education	3 credit hours
	Agronomy Elective	3 credit hours
	Agronomy Elective	3 credit hours
	Agronomy Elective	<u>3 credit hours</u>
	Total:	15 credit hours
		63 credit hours

Programs of Study

AGRICULTURE

AGRICULTURE PRODUCTION & SERVICES

ANIMAL SCIENCE EMPHASIS

Associate of Science

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Minimum General Education Required Courses 32 cr

Communication Requirement 9

- CM101 English Composition I (3 cr)
- CM102 English Composition II (3 cr)
- CM115 Public Speaking (3 cr) or
- CM240 Interpersonal Communications (3 cr)

Humanities Requirement (2 areas required) 6

- Art Humanities
- Music Literature
- Theatre Philosophy
- Foreign Language History

Mathematics Requirement 3

- Mathematics General Education Course

Natural Science Requirement (2 areas required) 8-10

- Physical Science (4-5 cr)
- Biological Science (4-5 cr)

Social/Behavioral Science Requirement (2 areas required) 6

- Economics Anthropology
- Psychology Political Science
- Sociology Geography

Elective Courses 32 cr

- AG101 Plant Science 4
- AG108 Environmental Quality 3
- AG109 Environmental Quality Lab 1
- AG111 Animal Management 3
- AG115 Animal Science 3
- AG118 Principles of Livestock Selection I 1
- AG119 Principles of Livestock Selection II 1
- AG122 Introduction to Horsemanship 2
- AG123 Beef Science 3
- AG125 Horse Science 3
- AG128 Animal Health and Nutrition 3
- AG129 Equine Groundwork Training 2
- AG132 Agriculture Management 3
- AG134 Agriculture Marketing 3
- AG139 Farm Animal Reproduction 3
- AG157 Equine Industry Management I 3
- AG159 Equine Evaluation 1
- AG165 Equine Evaluation II 1
- AG166 Fundamentals of Livestock Nutrition 3
- AG188 Varsity Sports Equestrian/Rodeo Skills 1
- AG189 Varsity Sports Equestrian/Rodeo Skills II 1
- AG190 Marketing the Equine Industry 3
- AG220 Cooperative Ed Internship 1-3
- AG225 Basic Equitation 3
- AG226 Advanced Equitation 3
- AG228 Focused Equitation 3

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Recommended Course Sequence:

First Semester: AG115, AG210, SC131
Second Semester: AG130, AG108, AG109
Third Semester: AG101, AG134
Fourth Semester: AG132

Students can select an area of emphasis: These general areas align with programs at universities and allow students to narrow their focus after they transfer. Faculty advisors will direct students toward basic courses needed for the major program at the university of transfer.

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Credits Required 64

Programs of Study

AGRICULTURE

AGRICULTURE PRODUCTION & SERVICES

ANIMAL SCIENCE EMPHASIS

Associate of Science

Suggested Semester Guideline

Semester 1

AG 115	Animal Science	3 credit hours
AG 210	Agriculture Advertising and Design	3 credit hours
CM 101	English Composition I	3 credit hours
	Mathematics General Education	3 credit hours
SC 131	Chemistry I	<u>5 credit hours</u>
	Total:	17 credit hours

Semester 2

AG 108	Environmental Quality	3 credit hours
AG 109	Environmental Quality Lab	1 credit hour
AG 130	Principles of Ag Economics	3 credit hours
CM 102	English Composition II	3 credit hours
	Social Science General Education	3 credit hours
	Humanities General Education	<u>3 credit hours</u>
	Total:	16 credit hours

Semester 3

AG 101	Plant Science	4 credit hours
AG 134	Agriculture Marketing	3 credit hours
CM 115	Public Speaking	3 credit hours
SC 110	Principles of Biology I	5 credit hours
	Animal Science Elective	<u>1 credit hour</u>
	Total:	16 credit hours

Semester 4

AG 132	Agriculture Management	3 credit hours
	Social Science General Education	3 credit hours
	Humanities General Education	3 credit hours
	Animal Science Elective	3 credit hours
	Animal Science Elective	<u>3 credit hours</u>
	Total:	15 credit hours
		64 credit hours

Programs of Study

AGRICULTURE

AGRICULTURE PRODUCTION & SERVICES

ANIMAL SCIENCE EMPHASIS

Associate of Applied Science

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Recommended Course Sequence:

First Semester: AG115, AG210, SC131
Second Semester: AG130, AG108, AG109
Third Semester: AG101, AG134
Fourth Semester: AG132

Requirements: Depending on ACT scores and/or placement exams, students may be required to take developmental courses which may add to the length of study.

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Transfer Institution Guide: A student who is interested in pursuing a baccalaureate degree should consult a CCCC advisor and the transfer guide and catalog of the four-year institution.

General Education Required Courses 19 cr

<i>Communication Requirement</i>	6
CM101 English Composition I (3 cr)	
CM115 Public Speaking (3 cr)	
<i>Humanities Requirement (out of following areas)</i>	3
Art	Humanities
Music	Literature
Theatre	Philosophy
Foreign Language	History
<i>Mathematics Requirement</i>	3
MA110 Intermediate Algebra (3 cr) or	
MA105 Survey of Math (3 cr) or	
Mathematics General Education Course	
<i>Natural Science Requirement</i>	4
Biological Science	
<i>Social/Behavioral Science Requirement</i>	3
(1 out of 6 areas required)	
Economics	Anthropology
Psychology	Political Science
Sociology	Geography

Required Courses 19 cr

AG101 Plant Science	4
AG115 Animal Science	3
AG130 Principles of Ag Economics	3
AG132 Agriculture Management	3
AG134 Agriculture Marketing	3
AG210 Agriculture Advertising and Design	3

Elective Courses* 24 cr

AG111 Animal Management	3
AG116 Principles of Feeding	3
AG118 Principles of Livestock Selection I	1
AG119 Principles of Livestock Selection II	1
AG128 Animal Health and Nutrition	3
AG139 Farm Animal Reproduction	3
AG155 Comparative Ag	1
AG156 Equine Care	2
AG159 Equine Evaluation	1
AG160 Introduction to Biotechnology	3
AG166 Fundamentals of Livestock Nutrition	3
AG170 Wildlife Management	3
AG220 Cooperative Ed Internship	1-3
AG230 Equine Reproduction	3

Credits Required 62

*All electives should be selected with assistance from an advisor. Substitutions must be approved by the department chair.



Programs of Study

AGRICULTURE

AGRICULTURE PRODUCTION & SERVICES

ANIMAL SCIENCE EMPHASIS

Associate of Applied Science

Suggested Semester Guideline

Semester 1

AG 115	Animal Science	3 credit hours
AG 210	Agriculture Advertising and Design	3 credit hours
CM 101	English Composition I	3 credit hours
MA 111	Intermediate Algebra or MA105 Survey of Math	3 credit hours
SC 131	Chemistry I	<u>5 credit hours</u>
	Total:	17 credit hours

Semester 2

AG 108	Environmental Quality	3 credit hours
AG 109	Environmental Quality Lab	1 credit hour
AG 130	Principles of Ag Economics	3 credit hours
	Social Science General Education	3 credit hours
	Humanities General Education	3 credit hours
	Animal Science Elective	<u>3 credit hours</u>
	Total:	16 credit hours

Semester 3

AG 101	Plant Science	4 credit hours
AG 134	Agriculture Marketing	3 credit hours
CM 115	Public Speaking	3 credit hours
SC 110	Principles of Biology I	<u>5 credit hours</u>
	Total:	15 credit hours

Semester 4

AG 132	Agriculture Management	3 credit hours
	Social Science General Education	3 credit hours
	Animal Science Elective	3 credit hours
	Animal Science Elective	3 credit hours
	Animal Science Elective	<u>3 credit hours</u>
	Total:	15 credit hours
		63 credit hours

Programs of Study

AGRICULTURE

AGRICULTURE PRODUCTION & SERVICES

EQUINE EMPHASIS

Associate of Science

This curriculum is designed to help prepare students to work in the business or production areas of agriculture. Courses are selected according to student interests and needs. Upon completion of this program, most students become employees in an ag business or in agriculture production.

*All electives should be selected with assistance from an advisor. These options are general areas that will transfer to focused majors. Substitutions must be approved by the department chair.

Contact: Jamieson Gross
(785) 243-1435, ext 273
jgross@cloud.edu

Minimum General Education Required Courses 32 cr

Communication Requirement 9

- CM101 English Composition I (3 cr)
- CM102 English Composition II (3 cr)
- CM115 Public Speaking (3 cr) or
- CM240 Interpersonal Communications (3 cr)

Humanities Requirement (2 areas required) 6

- | | |
|------------------|------------|
| Art | Humanities |
| Music | Literature |
| Theatre | Philosophy |
| Foreign Language | History |

Mathematics Requirement 3

Mathematics General Education Course

Natural Science Requirement (2 areas required) 8-10

- Physical Science (4-5 cr)
- Biological Science (4-5 cr)

Social/Behavioral Science Requirement (2 areas required) 6

- | | |
|------------|-------------------|
| Economics | Anthropology |
| Psychology | Political Science |
| Sociology | Geography |

Elective Courses 32 cr

- | | |
|---|-----|
| AG101 Plant Science | 4 |
| AG108 Environmental Quality | 3 |
| AG109 Environmental Quality Lab | 1 |
| AG111 Animal Management | 3 |
| AG115 Animal Science | 3 |
| AG122 Introduction to Horsemanship | 2 |
| AG125 Horse Science | 3 |
| AG128 Animal Health and Nutrition | 3 |
| AG129 Equine Groundwork Training | 2 |
| AG130 Principles of Ag Economics | 3 |
| AG132 Agriculture Marketing | 3 |
| AG134 Agriculture Management | 3 |
| AG139 Farm Animal Reproduction | 3 |
| AG157 Equine Industry Management I | 3 |
| AG159 Equine Evaluation | 1 |
| AG165 Equine Evaluation II | 1 |
| AG166 Fundamentals of Livestock Nutrition | 3 |
| AG188 Varsity Sports Equestrian/Rodeo Skills | 1 |
| AG189 Varsity Sports Equestrian/Rodeo Skills II | 1 |
| AG190 Marketing the Equine Industry | 3 |
| AG210 Agriculture Advertising and Design | 3 |
| AG220 Cooperative Ed Internship | 1-6 |
| AG225 Basic Equitation | 3 |
| AG226 Advanced Equitation | 3 |
| AG228 Focused Equitation | 3 |

Program Information: The Associates of Science in the agriculture area is designed to enable students to transfer into a variety of major programs at K-State, Fort Hays, and other agriculture programs across the Midwest.

Recommended Course Sequence:

First Semester: AG115, AG210, SC131
Second Semester: AG130, AG108, AG109
Third Semester: AG101, AG134
Fourth Semester: AG132

Students can select an area of emphasis: These general areas align with programs at universities and allow students to narrow their focus after they transfer. Faculty advisors will direct students toward basic courses needed for the major program at the university of transfer.

Requirements: Depending on ACT scores and/or placement exams, students may be required to take developmental courses which may add to the length of study.

After Cloud: Obtaining an Associate of Science in this area should prepare a student to transfer into a four-year baccalaureate program. This is not specifically a "School to Work" or "Career Ready" program.

Gainful Employment: The program results in an Associate of Science degree which prepares students for further study at a four-year institution. Students who obtain a Bachelor's degree in this field could apply these skills to careers such as agricultural production, agriculture management, or agricultural science related fields. Entry level employments in these fields are in the \$20,000 to \$30,000 range. Ag production degrees are also particularly well-suited to continuing education for the career of high school teacher (requires state certification) or vet medicine related degrees (requires professional degree beyond the Bachelor's degree).

Transfer Institution Guide: A student who is interested in pursuing a baccalaureate degree should consult a CCCC advisor and the transfer guide and catalog of the four-year institution.

Credits Required 64

Programs of Study

AGRICULTURE

AGRICULTURE PRODUCTION & SERVICES

EQUINE EMPHASIS

Associate of Science

Suggested Semester Guideline

Semester 1

AG 115	Animal Science	3 credit hours
AG 210	Agriculture Advertising and Design	3 credit hours
CM 101	English Composition I	3 credit hours
	Mathematics General Education	3 credit hours
SC 131	Chemistry I	<u>5 credit hours</u>
	Total:	17 credit hours

Semester 2

AG 108	Environmental Quality	3 credit hours
AG 109	Environmental Quality Lab	1 credit hour
AG 130	Principles of Ag Economics	3 credit hours
CM 102	English Composition II	3 credit hours
	Social Science General Education	3 credit hours
	Humanities General Education	<u>3 credit hours</u>
	Total:	16 credit hours

Semester 3

AG 101	Plant Science	4 credit hours
AG 134	Agriculture Marketing	3 credit hours
CM 115	Public Speaking	3 credit hours
SC 110	Principles of Biology I	5 credit hours
	Equine Science Elective	<u>1 credit hour</u>
	Total:	16 credit hours

Semester 4

AG 132	Agriculture Management	3 credit hours
	Social Science General Education	3 credit hours
	Humanities General Education	3 credit hours
	Equine Science Elective	3 credit hours
	Equine Science Elective	<u>3 credit hours</u>
	Total:	15 credit hours
		64 credit hours

Programs of Study

AGRICULTURE

AGRICULTURE PRODUCTION & SERVICES

EQUINE EMPHASIS

Associate of Applied Science

This curriculum is designed to help prepare students to work in the business or production areas of agriculture. Courses are selected according to student interests and needs. Upon completion of this program, most students become employees in an ag business or in agriculture production.

*All electives should be selected with assistance from an advisor. Substitutions must be approved by the department chair.

Contact: Jamieson Gross
(785) 243-1435, ext 273
jgross@cloud.edu

General Education Required Courses 19 cr

<i>Communication Requirement</i>	6
CM101 English Composition I (3 cr)	
CM115 Public Speaking (3 cr)	
<i>Humanities Requirement (out of following areas)</i>	3
Art	Humanities
Music	Literature
Theatre	Philosophy
Foreign Language	History
<i>Mathematics Requirement</i>	3
MA110 Intermediate Algebra (3 cr) or	
MA105 Survey of Math (3 cr) or	
Mathematics General Education Course	
<i>Natural Science Requirement</i>	4
Biological Science	
<i>Social/Behavioral Science Requirement</i>	3
(1 out of 6 areas required)	
Economics	Anthropology
Psychology	Political Science
Sociology	Geography

Program Information: The Associates of Applied Science in the agriculture area is designed to enable students to begin a career in a variety of agricultural programs throughout the state of Kansas and across the Midwest.

Recommended Course Sequence:

First Semester: AG115, AG210, SC131
Second Semester: AG130, AG108, AG109
Third Semester: AG101, AG134
Fourth Semester: AG132

Requirements: Depending on ACT scores and/or placement exams, students may be required to take developmental courses which may add to the length of study.

After Cloud: Obtaining an Associate of Applied Science in this area should prepare a student to enter the work force. This is specifically a "School to Work" or "Career Ready" program.

Gainful Employment: The program results in an Associate of Applied Science degree which prepares students to begin a career in the agriculture production and services area. Students who obtain a degree in this field could apply these skills to careers such as agricultural production, agriculture management, or agricultural science related fields. Entry level employments in these fields are in the \$15,000 to \$25,000 range.

Transfer Institution Guide: A student who is interested in pursuing a baccalaureate degree should consult a CCCC advisor and the transfer guide and catalog of the four-year institution.

Required Courses 19 cr

AG101 Plant Science	4
AG115 Animal Science	3
AG130 Principles of Ag Economics	3
AG132 Agriculture Management	3
AG134 Agriculture Marketing	3
AG210 Agriculture Advertising and Design	3

Elective Courses * 24 cr

AG108 Environmental Quality	3
AG109 Environmental Quality Lab	1
AG111 Animal Management	3
AG116 Principles of Feeding	3
AG122 Introduction to Horsemanship	2
AG128 Animal Health and Nutrition	3
AG139 Farm Animal Reproduction	3
AG155 Comparative Ag	1
AG157 Equine Industry Management	3
AG159 Equine Evaluation	1
AG160 Introduction to Biotechnology	3
AG165 Equine Evaluation II	1
AG166 Fundamentals of Livestock Nutrition	3
AG190 Marketing the Equine Industry	3
AG220 Cooperative Ed Internship	1-3

Credits Required 62



Programs of Study

AGRICULTURE

AGRICULTURE PRODUCTION & SERVICES

EQUINE EMPHASIS

Associate of Applied Science

Suggested Semester Guideline

Semester 1

AG 115	Animal Science	3 credit hours
AG 210	Agriculture Advertising and Design	3 credit hours
CM 101	English Composition I	3 credit hours
MA 110	Intermediate Algebra or MA105 Survey of Math	3 credit hours
SC 131	Chemistry I	<u>5 credit hours</u>
	Total:	17 credit hours

Semester 2

AG 108	Environmental Quality	3 credit hours
AG 109	Environmental Quality Lab	1 credit hour
AG 130	Principles of Ag Economics	3 credit hours
	Humanities General Education	3 credit hours
	Equine Science Elective	3 credit hours
	Equine Science Elective	<u>3 credit hours</u>
	Total:	16 credit hours

Semester 3

AG 101	Plant Science	4 credit hours
AG 134	Agriculture Marketing	3 credit hours
CM 115	Public Speaking	3 credit hours
SC 110	Principles of Biology I	<u>5 credit hours</u>
	Total:	15 credit hours

Semester 4

AG 132	Agriculture Management	3 credit hours
	Social Science General Education	3 credit hours
	Equine Science Elective	3 credit hours
	Equine Science Elective	3 credit hours
	Equine Science Elective	<u>3 credit hours</u>
	Total:	15 credit hours
		63 credit hours

Programs of Study

AGRICULTURE

AGRICULTURE PRODUCTION & SERVICES

PRE-VETERINARY MEDICINE EMPHASIS

Associate of Science

This curriculum is designed to help prepare students to work in the business or production areas of agriculture. Courses are selected according to student interests and needs. Upon completion of this program, most students become employees in an ag business or in agriculture production.

Contact: Jamieson Gross
(785) 243-1435, ext 273
jgross@cloud.edu

Minimum General Education Required Courses 32 cr

<i>Communication Requirement</i>	9
CM101 English Composition I (3 cr)	
CM102 English Composition II (3 cr)	
CM115 Public Speaking (3 cr) or CM240 Interpersonal Communications (3 cr)	
<i>Humanities Requirement (2 areas required)</i>	6
Art Humanities	
Music Literature	
Theatre Philosophy	
Foreign Language History	
<i>Mathematics Requirement</i>	3
Mathematics General Education Course	
<i>Natural Science Requirement (2 areas required)</i>	8-10
Physical Science - Principles of Biology (5 cr) (suggested)	
Biological Science - Chemistry I (5 cr) (suggested)	
<i>Social/Behavioral Science Requirement (2 areas required)</i>	6
Economics Anthropology	
Psychology Political Science	
Sociology Geography	

Elective Courses 32 cr

AG115 Animal Science	3
AG128 Animal Health and Nutrition	3
AG130 Principles of Ag Economics	3
AG139 Farm Animal Reproduction	3
AG166 Fundamentals of Livestock Nutrition	3
AG217 Farm Computer Applications	3
AG220 Cooperative Ed Internship	1-6
MA112 Trigonometry	3
SC110 Principles of Biology I	5
SC111 Microbiology Lectrue	3
SC112 Microbiology Lab	2
SC131 Chemistry I w/lab	5
SC132 Chemistry II w/lab	5
SC140 College Physics I w/lab	5
SC141 College Physics II w/lab	5

Credits Required 64

*All electives should be selected with assistance from an advisor. These options are general areas that will transfer to focused majors. Substitutions must be approved by the department chair.

Program Information: The Associates of Science in the agriculture area is designed to enable students to transfer into a variety of major programs at K-State, Fort Hays, and other agriculture programs across the Midwest.

Recommended Course Sequence:

First Semester: AG115, SC131
Second Semester: AG166, SC132, MA112
Third Semester: AG139, SC110, SC111, SC112, SC140
Fourth Semester: AG130, SC141

Students can select an area of emphasis: These general areas align with programs at universities and allow students to narrow their focus after they transfer. Faculty advisors will direct students toward basic courses needed for the major program at the university of transfer.

Requirements: Depending on ACT scores and/or placement exams, students may be required to take developmental courses which may add to the length of study.

After Cloud: Obtaining an Associate of Science in this area should prepare a student to transfer into a four-year baccalaureate program. This is not specifically a "School to Work" or "Career Ready" program.

Gainful Employment: The program results in an Associate of Science degree which prepares students for further study at a four-year institution. Students who obtain a Bachelor's degree in this field could apply these skills to careers such as agricultural production, agriculture management, or agricultural science related fields. Entry level employments in these fields are in the \$20,000 to \$30,000 range. Ag production degrees are also particularly well-suited to continuing education for the career of high school teacher (requires state certification) or vet medicine related degrees (requires professional degree beyond the Bachelor's degree).

Transfer Institution Guide: A student who is interested in pursuing a baccalaureate degree should consult a CCCC advisor and the transfer guide and catalog of the four-year institution.



Programs of Study

AGRICULTURE

AGRICULTURE PRODUCTION & SERVICES

PRE-VETERINARY MEDICINE EMPHASIS

Associate of Science

Suggested Semester Guideline

Semester 1

CM 101	English Composition I	3 credit hours
MA 111	College Algebra (or higher)	3 credit hours
SC 131	Chemistry I	5 credit hours
	Humanities General Education	3 credit hours
AG 115	Animal Science	<u>3 credit hours</u>
	Total:	17 credit hours

Semester 2

CM 102	English Composition II	3 credit hours
MA 112	Trigonometry (or higher)	3 credit hours
SC 132	Chemistry II	5 credit hours
	Social Science General Education	3 credit hours
AG 166	Fundamentals of Livestock Nutrition	<u>3 credit hours</u>
	Total:	17 credit hours

Semester 3

AG 139	Farm Animal Reproduction	4 credit hours
	Science or Ag Elective*	3 credit hours
	Science or Ag Elective*	3 credit hours
SC 110	Principles of Biology I	<u>5 credit hours</u>
	Total:	15 credit hours

Semester 4

	Social Science General Education	3 credit hours
CM 115	Public Speaking	3 credit hours
	Humanities General Education	3 credit hours
	Science or Ag Elective*	3 credit hours
	Elective Agriculture Course	<u>3 credit hours</u>
	Total:	15 credit hours
		64 credit hours

*Students should consult advisor for science or ag electives during sophomore year of course work.

Programs of Study

AGRICULTURE

AGRICULTURE PRODUCTION & SERVICES

30-Hour Certificate

This curriculum is designed to help prepare students to work in the business or production areas of agriculture. Courses are selected according to student interests and needs. Upon completion of this program, most students become employees in an ag business or in agriculture production.

General Education Required Courses 8 cr

<i>Communication Requirement</i>	3
CM115 Public Speaking (3 cr) or CM240 Interpersonal Communication	
<i>Natural Science Requirement (1 of 2 areas)</i>	5
Physical Science General Education Biological Science General Education	

Required Courses 10 cr

AG101 Plant Science	4
AG115 Animal Science	3
AG130 Principles of Ag Economics	3

Elective Courses * 12 cr

<i>Ag Economics Emphasis</i>	
AG132 Ag Management	3
AG134 Ag Marketing	3
AG155 Comparative Ag	3
AG217 Farm Computer Applications	3
AG210 Ag Advertising and Design	3
AG220 Cooperative Ed Internship	1-6
<i>Agronomy Emphasis</i>	
AG102 Intro to Plant Science	3
AG103 Plants & Soils for Crop Production	3
AG104 Soils	4
AG105 Range Management	3
AG106 Soil Classification and Evaluation	1
AG107 Agronomy ID & Experimentation	1
AG155 Comparative Ag	1
AG160 Intro to Biotechnology	3
AG220 Cooperative Ag Internship	1-6
<i>Animal Science Emphasis</i>	
AG111 Animal Management	3
AG116 Principle of Feeding	3
AG118 Principles of Livestock Selection	2
AG119 Principles of Livestock Selection II	1
AG123 Beef Science	2
AG128 Animal Health & Nutrition	3
AG139 Farm Animal Reproduction	3
AG155 Comparative Ag	1
AG159 Equine Evaluation	1
AG160 Intro to Biotechnology	3
AG166 Fundamentals of Livestock Nutrition	3
AG220 Cooperative Ed Internship	1-6
<i>Equine Science Emphasis</i>	
AG111 Animal Management	2
AG116 Principles of Feeding	3
AG122 Intro to Horsemanship	2
AG128 Animal Health & Nutrition	3

AG139 Farm Animal Reproduction	3
AG155 Comparative Ag	1
AG156 Equine Care	2
AG157 Equine Industry Management I	3
AG159 Equine Evaluation	1
AG160 Intro to Biotechnology	3
AG156 Equine Evaluation II	2
AG166 Fundamentals of Livestock Nutrition	3
AG220 Cooperative Ed Internship	1-6

Credits Required 30

*All electives should be selected with assistance from an advisor. Substitutions must be approved by the department chair.

Contact: Jamieson Gross
(785) 243-1435, ext 273
jgross@cloud.edu

Program Information: The Agriculture Production and Services Certificate in the agriculture area is designed to enable students to gain training and knowledge in their specialized area of agriculture or allow them to continue into an advanced degree.

Recommended Course Sequence:

First Semester: AG115, AG210
Second Semester: AG130, AG108

Requirements: Depending on ACT scores and/or placement exams, students may be required to take developmental courses which may add to the length of study.

After Cloud: Obtaining an Associate of Applied Science in this area should prepare a student to enter the work force. This is specifically a "School to Work" or "Career Ready" program.

Gainful Employment: Obtaining a certificate in one of these areas provides the student an opportunity to gain knowledge in that field or would allow a student to continue into an Associate Degree program. Associate degrees would make students more competitive for most entry level positions. Gainful Employment Data would be comparable to various entry level positions at or above minimum wage values.

Transfer Institution Guide: A student who is interested in pursuing a baccalaureate degree should consult a CCCC advisor and the transfer guide and catalog of the four-year institution.

Programs of Study

AGRICULTURE

AGRICULTURE PRODUCTION & SERVICES

30-Hour Certificate

Suggested Semester Guideline

Semester 1

AG 115	Animal Science	3 credit hours	
AG 132	Principles of Ag Economics	3 credit hours	
	Ag Elective	3 credit hours	
	Science w/lab General Education	<u>5 credit hours</u>	
	Total:	14 credit hours	

Semester 2

AG 101	Plant Science	4 credit hours	
CM 115	Public Speaking	3 credit hours	
	Ag Elective	3 credit hours	
	Ag Elective	3 credit hours	
	Ag Elective	<u>3 credit hours</u>	
	Total:	16 credit hours	30 credit hours

Programs of Study

AGRICULTURE

AGRICULTURE PRODUCTION & SERVICES

16-Hour Certificate

This curriculum is designed to help prepare men and women to work in the business or production areas of agriculture. Courses are selected according to student interests and needs. Upon completion of this program, most students become employees in an ag business or in agriculture production.

Contact: Jamieson Gross
(785) 243-1435, ext 273
jgross@cloud.edu

Program Information: The Agriculture Production and Services Certificate is designed to enable students to gain training and knowledge in the area of agriculture or allow them to continue into an advanced degree.

Requirements: Depending on ACT scores and/or placement exams, students may be required to take developmental courses which may add to the length of study.

After Cloud: Obtaining an Associate of Applied Science in this area should prepare a student to enter the work force. This is specifically a "School to Work" or "Career Ready" program.

Gainful Employment: Obtaining a certificate in one of the ag production area provides the student an opportunity to gain knowledge in the field or would allow a student to continue into an Associate Degree program. Associate degrees would make students more competitive for most entry level positions. Gainful Employment Data would be comparable to various entry level positions at or above minimum wage values.

Transfer Institution Guide: A student who is interested in pursuing a baccalaureate degree should consult a CCCC advisor and the transfer guide and catalog of the four-year institution.

General Education Required Courses 3 cr

<i>Mathematics Requirement</i>	3
MA110 Intermediate Algebra (3 cr) or MA105 Survey of Math (3 cr) or Mathematics General Education Course	

Required Courses 6-7 cr

AG101 Plant Science (4 cr) or AG115 Animal Science (3cr)	3-4
AG132 Agriculture Marketing	3

Elective Courses * 6-7 cr

AG102 Intro to Plant Science	3
AG105 Range Management	3
AG111 Animal Management	3
AG116 Principle of Feeding	3
AG123 Beef Science	2
AG128 Animal Health & Nutrition	3
AG166 Fundamentals of Livestock Nutrition	3
AG170 Wildlife Management	3
AG210 Ag Advertising & Design	3
AG217 Farm Computer Applications	3
AG220 Cooperative Ed Internship	1-4

Credits Required 16

*All electives should be selected with assistance from an advisor. Substitutions must be approved by the department chair.



Programs of Study

AGRICULTURE

AGRICULTURE PRODUCTION & SERVICES

16-Hour Certificate

Suggested Semester Guideline

AG 101	Plant Science or	
	AG115 Animal Science	3-4 credit hours
AG 132	Agriculture Marketing	3 credit hours
MA110	Intermediate Algebra or	
	MA105 Survey of Math	3 credit hours
	Ag Elective	3-4 credit hours
	Ag Elective	<u>3 credit hours</u>
	Total:	16 credit hours

Programs of Study

AGRICULTURE

PRECISION AGRICULTURE

Associate of Applied Science

This curriculum is designed to help prepare students to work in the business or production areas of precision agriculture. Courses are selected according to student interests and needs. Upon completion of this program, most students become employees in a precision agriculture business or production.

General Education Required Courses 19 cr

Communication Requirement 6

CM101 English Composition I (3 cr)

CM115 Public Speaking (3 cr) or

CM240 Interpersonal Communications (3 cr)

Humanities Requirement (out of following areas) 3

Art Humanities

Music Literature

Theatre Philosophy

Foreign Language History

Mathematics Requirement 3

MA110 Intermediate Algebra (3 cr) or

MA105 Survey of Math (3 cr) or

Mathematics General Education Course

Natural Science Requirement (1 out of following areas) 4

Biological Science General Education

Physical Science General Education

Social/Behavioral Science Requirement 3 (1 out of 6 areas required)

Economics Anthropology

Psychology Political Science

Sociology Geography

Required Courses 19 cr

AG101 Plant Science 4

AG102 Introduction to Plant Pest Control 3

AG132 Agriculture Management 3

AG255 Precision Ag Hardware 3

AG256 Precision Ag Software 3

AG257 Precision Ag Machine Data Management 3

Elective Courses * (CCCC) 24 cr

AG103 Plant & Soils for Crop Production 3

AG104 Soils 4

AG105 Range Management 3

AG106 Soil Classification and Evaluation 1

AG107 Agronomy Id & Experimentation 1

AG112 Agronomy Id & Experimentation II 1

AG115 Animal Science 3

AG134 Agriculture Marketing 3

AG160 Introduction to Biotechnology 3

AG164 Advanced Soil Classification & Evaluation 1

AG210 Ag Advertising & Design 3

AG217 Farm Computer Applications 3

UA100 Introduction to UAV's 3

UA201 sUAS Command, Control, & Comm 3

UA210 sUAS Systems & Conceptual Design 3

WE110 Electrical Theory 3

WE240 GIS/GPS 3

Credits Required 62

Courses CCCC will accept as Electives from Highland CC*

AB126 Principles of Agronomy

AB128 Agriculture Electronic Devices & Systems

AB130 Precision Farming Systems

AB136 Intro to Agricultural GIS

AB138 Remote Sensing

AB142 Field Mapping for Decision Making

AB144 Intermediate Agricultural GIS

AB244 Precision Agriculture Capstone

*All electives should be selected with assistance from an advisor. Substitutions must be approved by the department chair.

Contact: Jamieson Gross
(785) 243-1435, ext 273
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Program Information: Cloud County Community College has an agreement with the Regents Universities of Kansas to accept general education courses associated with the Core Outcomes Project. Additionally, CCCC has specifically made cooperating agreements with Highland Community College in which students can take courses at Highland as a part of the HCC Precision Ag degree and seamlessly transfer them into the CCCC Precision Agriculture elective course pool.

Recommended Course Sequence:

First Semester: AG255, UA100

Second Semester: AG132, AG256, WE240

Third Semester: AG257, UA201

Fourth Semester: UA210

Requirements: Depending on ACT scores and/or placement exams, students may be required to take developmental courses which may add to the length of study.

After Cloud: Obtaining an Associate of Applied Science in this area should prepare a student to enter the work force. This is specifically a "School to Work" or "Career Ready" program.

Gainful Employment: Obtaining an Associate of Applied Science in one of these areas should allow a student to enter the workforce. These programs are specifically "School to Work" or "Career Ready" programs. Associate of Applied Science degrees would make students more competitive for most entry level positions. Gainful Employment Data would be comparable to various entry level positions at or above minimum wage values.

Transfer Institution Guide: A student who is interested in pursuing a baccalaureate degree should consult a CCCC advisor and the transfer guide and catalog of the four-year institution.

Programs of Study

AGRICULTURE

PRECISION AGRICULTURE

Associate of Applied Science Suggested Semester Guideline

Semester 1

CM 101	English Composition I	3 credit hours
	Mathematics General Education	3 credit hours
AG101	Plant Science	4 credit hours
AG255	Precision Ag Hardware	3 credit hours
UA100	Introduction to UAV's	<u>3 credit hours</u>
	Total:	16 credit hours

Semester 2

AG102	Introduction to Plant Pest Control	3 credit hours
AG 132	Agriculture Management	3 credit hours
AG 256	Precision Ag Software	3 credit hours
	AG, MG, or WE Elective	3 credit hours
WE 240	GIS / GPS	<u>3 credit hours</u>
	Total:	15 credit hours

Semester 3

AG257	Precision Ag Machine Data Management	3 credit hours
CM115	Public Speaking	3 credit hours
	Social Science General Education	3 credit hours
UA 201	sUAS Systems & Conceptual Design	3 credit hours
WE255	Airfoils and Composite Repair	<u>3 credit hours</u>
	Total:	15 credit hours

Semester 4

SC107	Meteorology with Lab	4 credit hours
UA210	sUAS Systems & Conceptual Design	3 credit hours
	AG, MG, or WE Elective	3 credit hours
	Humanities General Education	3 credit hours
	AG, MG, or WE Elective	<u>3 credit hours</u>
	Total:	16 credit hours
		62 credit hours

Programs of Study

AGRICULTURE

PRECISION AGRICULTURE

30-Hour Certificate

This curriculum is designed to help prepare men and women to work in the business or production areas of precision agriculture. Courses are selected according to student interests and needs. Upon completion of this program, most students become employees in a precision agriculture business or production.

Contact: Jamieson Gross
(785) 243-1435, ext 273
jgross@cloud.edu

Program Information: Cloud County Community College has an agreement with the Regents Universities of Kansas to accept general education courses associated with the Core Outcomes Project. Additionally, CCCC has specifically made cooperating agreements with Highland Community College in which students can take courses at Highland as a part of the HCC Precision Ag degree and seamlessly transfer them into the CCCC Precision Agriculture elective course pool.

Recommended Course Sequence:

First Semester: AG255, WE240

Second Semester: AG256, UA100

Requirements: Depending on ACT scores and/or placement exams, students may be required to take developmental courses which may add to the length of study.

After Cloud: Students completing this program will be more prepared to enter the workforce or continue into an Associate Degree program and further their education on the developing field of precision agriculture.

Gainful Employment: Obtaining a certificate in one of these areas should allow a student to continue into an Associate Degree program. Associate degrees would make students more competitive for most entry level positions. Gainful Employment Data would be comparable to various entry level positions at or above minimum wage values

Transfer Institution Guide: A student who is interested in pursuing a baccalaureate degree should consult a CCCC advisor and the transfer guide and catalog of the four-year institution.



General Education Required Courses 6 cr

Communication Requirement 3

- CM101 English Composition I (3 cr) or
- CM120 Survey of Technical Writing (3 cr)

Mathematics Requirement 3

- MA110 Intermediate Algebra (3 cr) or
- MA105 Survey of Math (3 cr) or
- Mathematics General Education Course

Required Courses 19 cr

- AG101 Plant Science 4
- AG102 Introduction to Plant Pest Control 3
- AG132 Agriculture Management 3
- AG255 Precision Ag Hardware 3
- AG256 Precision Ag Software 3
- AG257 Precision Ag Machine Data Management 3

Elective Courses * (CCCC) 5 cr

- AG103 Plant & Soils for Crop Production 3
- AG104 Soils 4
- AG105 Range Management 3
- AG106 Soil Classification and Evaluation 1
- AG107 Agronomy Id & Experimentation 1
- AG112 Agronomy Id & Experimentation II 1
- AG115 Animal Science 3
- AG134 Agriculture Marketing 3
- AG160 Introduction to Biotechnology 3
- AG164 Advanced Soil Classification & Evaluation 1
- AG210 Ag Advertising & Design 3
- AG217 Farm Computer Applications 3
- UA100 Introduction to UAV's 3
- UA201 sUAS Command, Control, & Comm 3
- UA210 sUAS Systems & Conceptual Design 3
- WE110 Electrical Theory 3
- WE240 GIS/GPS 3

Credits Required 30

Courses CCCC will accept as Electives from Highland CC*

- AB126 Principles of Agronomy
- AB128 Agriculture Electronic Devices & Systems
- AB130 Precision Farming Systems
- AB136 Intro to Agricultural GIS
- AB138 Remote Sensing
- AB142 Field Mapping for Decision Making
- AB144 Intermediate Agriculture GIS
- AB244 Precision Agriculture Capstone

*All electives should be selected with assistance from an advisor. Substitutions must be approved by the department chair.

Programs of Study

AGRICULTURE PRECISION AGRICULTURE 30-Hour Certificate Suggested Semester Guideline

Semester 1

CM 101	English Composition I	3 credit hours
	Mathematics General Education	3 credit hours
AG101	Plant Science	4 credit hours
AG255	Precision Ag Hardware	3 credit hours
UA100	Introduction to UAV's	<u>3 credit hours</u>
	Total:	16 credit hours

Semester 2

AG102	Introduction to Plant Pest Control	3 credit hours
AG132	Agriculture Management	3 credit hours
AG256	Precision Ag Software	3 credit hours
UA210	sUAS Systems & Conceptual Design	3 credit hours
WE240	GIS / GPS	<u>3 credit hours</u>
	Total:	15 credit hours
		31 credit hours

Programs of Study

BUSINESS

GENERAL BUSINESS EMPHASIS Associate of Arts / Associate of Science

This program is designed to prepare students to major in business. The courses will prepare students for advanced study at a four-year institution or assist students in preparation for a business career.

*All electives should be selected with assistance from an advisor. These options are general areas that will transfer to focused majors. Substitutions must be approved by the department chair.

Minimum General Education Required Courses 31-32 cr

<i>Communication Requirement</i>		9
CM101 English Composition I (3 cr)		
CM102 English Composition II (3 cr)		
CM115 Public Speaking (3 cr) or		
CM240 Interpersonal Communications (3 cr)		
<i>Humanities Requirement</i>	(AA- 3 areas required)	9
	(AS - 2 areas required)	6
Art	Humanities	
Music	Literature	
Theatre	Philosophy	
Foreign Language	History	
<i>Mathematics Requirement</i>		3
Mathematics General Education Course		
<i>Natural Science Requirement</i>	(AA- 1 of 2 areas required)	4-5
	(AS- 2 of 2 areas required)	8-10
Biological Science		
Physical Science		
<i>Social/Behavioral Science Requirement</i>		6
	(AA/AS - 2 areas required)	
Economics	Anthropology	
Psychology	Political Science	
Sociology	Geography	

Contact: Shelly Farha
(785) 243-1435, ext 260
sfarha@cloud.edu

Recommended Course Sequence:

First Semester: BE100, EC101, BE161
Second Semester: BE162, EC102, MA115
Third Semester: BE210, CM115
Fourth Semester: BE170, BE121

Requirements: Depending on ACT scores and/or placement exams, students may be required to take developmental courses which may add to the length of study.

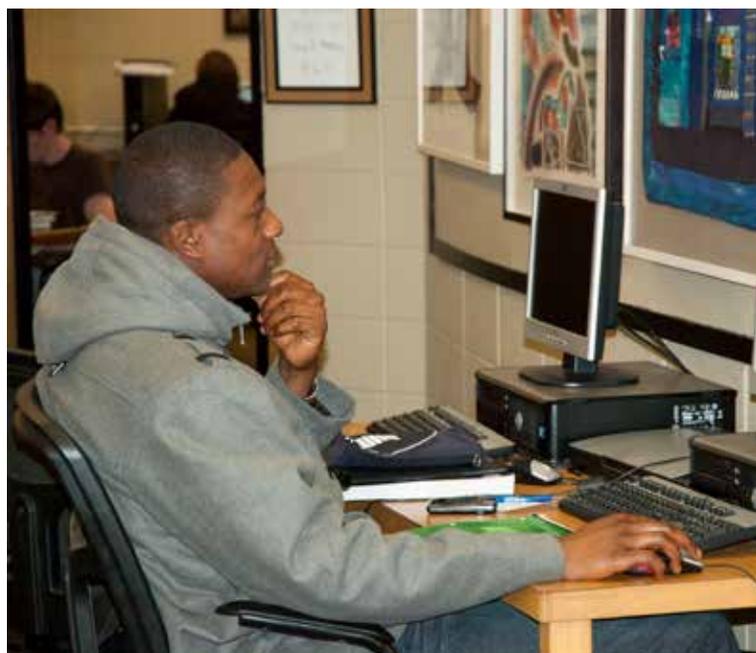
Gainful Employment: Obtaining an Associate of Arts or an Associate of Science degree in business should allow a student to transfer into a four-year baccalaureate program. This degree is not specifically a "School to Work" or "Career Ready" program. Associate degrees would make students more competitive for most entry level positions. Gainful employment data would be comparable to various entry level positions at or above minimum wage values.

Transfer Institution Guide: A student who is interested in pursuing a baccalaureate degree should consult a CCCC advisor and the transfer guide and catalog of the four-year institution.

Elective Courses 33 cr

BE100 Introduction to Business		3
BE121 Business Communications		3
BE152 Salesmanship		3
BE153 Personal Finance		3
BE154 Business Law		3
BE155 Marketing		3
BE160 Business Accounting		3
BE161 Accounting I	(suggested)	3
BE162 Accounting II	(suggested)	3
BE165 Computerized Accounting		3
BE166 Payroll Accounting		3
BE170 Business Statistics	(suggested)	3
BE185 Human Resource Management		3
BE188 Principles of Advertising		3
BE210 Leadership Development		3
BE220 Cooperative Ed Internship		3
CS108 Computer Applications		3
EC101 Economics I	(suggested)	3
EC102 Economics II	(suggested)	3
MA115 Linear Algebra & Gen Calc	(suggested)	3
MG101 Management Principles		3
MG102 Small Business Management		3

Credits Required 64-65



Programs of Study

BUSINESS

GENERAL BUSINESS EMPHASIS

Associate of Arts / Associate of Science

Suggested Semester Guideline

Semester 1

CM 101	English Composition I	3 credit hours
MA 111	College Algebra (or higher)	3 credit hours
BE 161	Accounting I	3 credit hours
EC 101	Economics I	3 credit hours
	Business Elective	<u>3 credit hours</u>
	Total:	15 credit hours

Semester 2

CM 102	English Composition II	3 credit hours
MA 115	Linear Algebra and General Calculus	3 credit hours
BE 162	Accounting II	3 credit hours
EC 102	Economics II	3 credit hours
CS 108	Computer Applications	3 credit hours
	Business Elective	<u>3 credit hours</u>
	Total:	18 credit hours

Semester 3

	Science with Lab General Education	4 credit hours
	Humanities General Education	3 credit hours
	Social Science General Education	3 credit hours
CM 115	Public Speaking	3 credit hours
	Business Elective	<u>3 credit hours</u>
	Total:	16 credit hours

Semester 4

BE 170	Business Statistics	3 credit hours
	Humanities General Education or	
	Science with Lab General Education	3-4 credit hours
	Social Science General Education	3 credit hours
	Humanities General Education	3 credit hour
	Business Elective	<u>3 credit hours</u>
	Total:	15-16 credit hours
		64-65 credit hours

Programs of Study

BUSINESS

GENERAL BUSINESS Associate of Applied Science

This program is designed to prepare students for a career in business with plans to enter the workforce after obtaining an Associate Degree.

An Associate of Applied Science Degree in business is awarded after completion of a minimum of 63 credit hours in a departmentally approved program. This degree allows the student flexibility in selecting courses applicable to their needs/interests. Of the hours required, a minimum of 18 credit hours are general education courses.

*All electives should be selected with assistance from an advisor. Substitutions must be approved by the department chair.

Contact: Shelly Farha
(785) 243-1435, ext 260
sfarha@cloud.edu

General Education Required Courses 18 cr

<i>Communication Requirement</i>	6
CM101 English Composition I (3 cr)	
CM115 Public Speaking (3 cr)	
<i>Humanities Requirement (out of following areas)</i>	3
Art Humanities	
Music Literature	
Theatre Philosophy	
Foreign Language History	
<i>Mathematics Requirement</i>	3
MA105 Survey of Math or	
MA110 Intermediate Algebra or	
Mathematics General Education Course	
<i>Natural Science Requirement</i>	3-5
SC100 Survey of Science or	
Science Gen Ed Course	
<i>Social/Behavioral Science Requirement</i>	3
EC101 Economics I	

Required Courses 33 cr

BE100 Introduction to Business	3
BE115 Business Math or BE170 Business Stats	3
BE121 Business Communications	3
BE152 Salesmanship	3
BE153 Personal Finance	3
BE154 Business Law	3
BE160 Business Accounting or	
BE161 Accounting I	3
BE210 Leadership Development	3
BE220 Cooperative Ed Internship	2
CA221 Job Search	1
CS108 Computer Applications	3
MG101 Management Principles	3

Elective Courses * 12 cr

BE155 Marketing	3
BE160 Business Accounting	3
BE161 Accounting I	3
BE162 Accounting II	3
BE165 Computerized Accounting	3
BE166 Payroll Accounting	3
BE185 Human Resources Management	3
BE188 Principles of Advertising	3
EC102 Economics II	3
MG102 Small Business Management	3

Credits Required 63

Recommended Course Sequence:

First Semester: BE100, BE153, BE160
Second Semester: BE121, BE210, CS108
Third Semester: BE115, EC101
Fourth Semester: BE154

Requirements: Depending on ACT scores and/or placement exams, students may be required to take developmental courses which may add to the length of study.

After Cloud: Obtaining an Associate of Applied Science in this area should prepare a student to enter the work force. This is specifically a "School to Work" or "Career Ready" program.

Gainful Employment: Obtaining an Associate of Applied Science degree in business provides the student an opportunity to gain immediate, entry-level employment in the business industry. The Associate of Applied Science degree would make students more competitive for most entry-level positions at or above minimum wage values.

Transfer Institution Guide: A student who is interested in pursuing a baccalaureate degree should consult a CCCC advisor and the transfer guide and catalog of the four-year institution.



Programs of Study

BUSINESS

GENERAL BUSINESS

Associate of Applied Science Suggested Semester Guideline

Semester 1

CM 101	English Composition I	3 credit hours
MA 110	Intermediate Algebra or MA105 Survey of Math	3 credit hours
BE 100	Introduction to Business	3 credit hours
BE153	Personal Finance	3 credit hours
BE 160	Business Accounting	3 credit hours
CA220	Job Search	<u>1 credit hour</u>
	Total:	16 credit hours

Semester 2

BE 121	Business Communications	3 credit hours
BE 210	Leadership Development	3 credit hours
MG 101	Management Principles	3 credit hours
SC 100	Survey of Science	3 credit hours
CS 108	Computer Applications	3 credit hours
BE 220	Cooperative Ed Internship	<u>2 credit hours</u>
	Total:	17 credit hours

Semester 3

BE 152	Salesmanship	3 credit hours
EC 101	Economics I	3 credit hours
BE 115	Business Math	3 credit hours
	Business Elective	3 credit hours
	Business Elective	<u>3 credit hours</u>
	Total:	15 credit hours

Semester 4

BE 154	Business Law	3 credit hours
CM 115	Public Speaking	3 credit hours
	Business Elective	3 credit hours
	Business Elective	3 credit hours
	Humanities General Education	3 credit hours
	Total:	15 credit hours
		63 credit hours

Programs of Study

BUSINESS

GENERAL BUSINESS

30-Hour Certificate

This course of study is designed to improve skills in order that students are prepared for an entry level position in the business industry.

Contact: Shelly Farha
(785) 243-1435, ext 260
sfarha@cloud.edu

General Education Required Courses 9 cr

Communication Requirement 6
CM101 English Composition I (3 cr)
CM115 Public Speaking (3 cr)

Mathematics Requirement 3
MA105 Survey of Math or
MA110 Intermediate Algebra or
Mathematics General Education Course

Required Courses 18 cr

BE100 Introduction to Business 3
BE121 Business Communications 3
BE152 Salesmanship 3
BE160 Business Accounting or
BE161 Accounting I 3
BE210 Leadership Development 3
MG101 Management Principles 3

Elective Courses * 3 cr

BE115 Business Mathematics 3
BE153 Personal Finance 3
BE154 Business Law 3
BE155 Marketing 3
BE161 Accounting I 3
BE162 Accounting II 3
BE165 Computerized Accounting 3
BE166 Payroll Accounting 3
BE185 Human Resources Management 3
BE188 Principles of Advertising 3
CA221 Job Search 1
CS108 Computer Applications 3
MG102 Small Business Management 3

Credits Required 30

*All electives should be selected with assistance from an advisor. Substitutions must be approved by the department chair.

Recommended Course Sequence:

First Semester: BE100, BE152, BE160, BE210
Second Semester: BE121, MG101

Requirements: Depending on ACT scores and/or placement exams, students may be required to take developmental courses which may add to the length of study.

Gainful Employment: The 30-Hour Certificate in business provides the student an opportunity to improve basic skills/knowledge in the field of business. Gainful employment data would be comparable to various entry-level positions at or above minimum wage values.



CLOUD COUNTY
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Programs of Study

BUSINESS

GENERAL BUSINESS

30-Hour Certificate

Suggested Semester Guideline

Semester 1

CM 101	English Composition I	3 credit hours
BE 100	Introduction to Business	3 credit hours
BE 152	Salesmanship	3 credit hours
BE 160	Business Accounting	3 credit hours
BE 210	Leadership Development	<u>3 credit hour</u>
	Total:	15 credit hours

Semester 2

BE 121	Business Communications	3 credit hours
	Business Elective	3 credit hours
CM 115	Public Speaking	3 credit hours
MA 110	Intermediate Algebra or MA105 Survey of Math	3 credit hours
MG 101	Management Principles	<u>3 credit hours</u>
	Total:	15 credit hours
		30 credit hours

Programs of Study

COMMUNICATIONS

ENGLISH EMPHASIS

Associate of Arts

Students who choose the English emphasis develop the skills to write clearly and effectively, read critically, gather and synthesize materials, analyze literature, and compose creatively.

*All electives should be selected with assistance from an advisor. These options are general areas that will transfer to focused majors. Substitutions must be approved by the department chair.

Minimum General Education Required Courses 31 cr

<i>Communication Requirement</i>	9
CM101 English Composition I (3 cr)	
CM102 English Composition II (3 cr)	
CM115 Public Speaking (3 cr) or	
CM240 Interpersonal Communications (3 cr)	
<i>Humanities Requirement (3 areas required)</i>	9
Art	Humanities
Music	Literature
Theatre	Philosophy
Foreign Language	History
<i>Mathematics Requirement</i>	3
Mathematics General Education Course	
<i>Natural Science Requirement (1 area required)</i>	4-5
Physical Science (4-5 cr)	
Biological Science (4-5 cr)	
<i>Social/Behavioral Science Requirement (2 areas required)</i>	6
Economics	Anthropology
Psychology	Political Science
Sociology	Geography

Elective Courses * 31 cr

CM106 Creative Writing I (suggested)	3
CM107 Creative Writing II	3
CM120 Survey of Technical Writing	3
CM121 Introduction to Literature (suggested)	3
CM122 American Literature I	3
CM123 American Literature II (suggested)	3
CM124 World Literature & the Human Experience	3
CM125 Children's Literature	3
CM127 The Short Story	3
CM136 Mass Communications Software	3
CM137 Intro to Multimedia Communications	3
CM138 Broadcast News	3
CM139 Sports Broadcasting	3
CM140 Theater Appreciation	3
CM141 Intro to Performance: Offstage and On	3
CM142 Advanced Performance: Offstage and On	3
CM143 Play Production	3
CM146 Play Production II	3
CM148 Cinema Appreciation	3
CM155 Digital Magazine Production: Storytelling	3
CM156 Digital Magazine Production: Design & Style	3
CM157 Mass Media Production I	3
CM158 Mass Media Production II	3
CM240 Interpersonal Communication	3
CS107 Graphic Software Applications	3
JN100 Mass Media and Society (suggested)	3
JN101 Basic Media Writing	3

Credits Required 62

Contact: Marc Malone
(785) 243-1435, ext 343
mmalone@cloud.edu

Degree Information: The Associates of Arts in the English Program is designed to enable students to transfer into a variety of English major programs at K-State, Fort Hays, and other programs across the Midwest.

Recommended Course Sequence:

First Semester: CM101, JN100
Second Semester: CM102, CM106
Third Semester: CM115, CM121
Fourth Semester: CM123, CM124

Students can select an area of emphasis: These general areas align with programs at universities and allow students to narrow their focus after they transfer. Faculty advisors will direct students toward basic courses needed for the major program at the university of transfer.

Requirements: Depending on ACT scores and/or placement exams, students may be required to take developmental courses which may add to the length of study.

After Cloud: Obtaining an Associate of Arts in this area should prepare a student to transfer into a four-year baccalaureate program. This is not specifically a "School to Work" or "Career Ready" program.

Gainful Employment: The program results in an Associate of Arts degree which prepares students for further study at a four-year institution. Students who obtain a bachelor's degree in this field could apply these skills to careers such as writer and author, technical writer, or librarian. Entry level employments in these fields are in the \$20,000 to \$30,000 range. English degrees are also particularly well-suited to continuing education for the career of high school teacher (requires state certification) or lawyer (requires professional degree beyond the Bachelor's degree).

Transfer Institution Guide: A student who is interested in pursuing a baccalaureate degree should consult a CCCC advisor and the transfer guide and catalog of the four-year institution.



Programs of Study

COMMUNICATIONS

ENGLISH EMPHASIS

Associate of Arts

Suggested Semester Guideline

Semester 1

CM 101	English Composition I	3 credit hours
JN 100	Mass Media and Society	3 credit hours
	Humanities General Education	3 credit hours
	Math General Education	3 credit hours
	Social Science General Education	<u>3 credit hours</u>
	Total:	15 credit hours

Semester 2

CM 102	English Composition II	3 credit hours
CM 106	Creative Writing I	3 credit hours
	Science with Lab General Education	5 credit hours
	Humanities General Education	3 credit hours
	Elective	<u>3 credit hours</u>
	Total:	17 credit hours

Semester 3

CM 115	Public Speaking	3 credit hours
CM121	Introduction to Literature	3 credit hours
	Social Science General Education	3 credit hours
	Elective	3 credit hours
	Elective	<u>3 credit hours</u>
	Total:	15 credit hours

Semester 4

CM 124	World Literature and the Human Experience or CM123 American Literature II	3 credit hours
	Humanities General Education	3 credit hours
	Elective	3 credit hours
	Elective	3 credit hours
	Elective	<u>3 credit hours</u>
	Total:	15 credit hours
		62 credit hours

Programs of Study

COMMUNICATIONS

JOURNALISM - MASS COMMUNICATIONS EMPHASIS

Associate of Arts

Students who choose the Journalism/Mass Communications focus develop the skills necessary to navigate the new world of convergent media. Students learn to gather and evaluate the credibility of information, compose original content for multiple communications mediums, identify legal and ethical considerations related to mass media professions, and apply those standards to the creation, production, and distribution of messages.

*All electives should be selected with assistance from an advisor. These options are general areas that will transfer to focused majors. Substitutions must be approved by the department chair.

Contact: Marc Malone
(785) 243-1435, ext 343
mmalone@cloud.edu

Minimum General Education Required Courses 32 cr

<i>Communication Requirement</i>	9
CM101 English Composition I (3 cr)	
CM102 English Composition II (3 cr)	
CM115 Public Speaking (3 cr) or CM240 Interpersonal Communications (3 cr)	
<i>Humanities Requirement (3 areas required)</i>	9
Art Humanities	
Music Literature	
Theatre Philosophy	
Foreign Language History	
<i>Mathematics Requirement</i>	3
Mathematics General Education Course	
<i>Natural Science Requirement (1 area required)</i>	4-5
Physical Science (4-5 cr)	
Biological Science (4-5 cr)	
<i>Social/Behavioral Science Requirement (2 areas required)</i>	6
Economics Anthropology	
Psychology Political Science	
Sociology Geography	

Degree Information: The Associates of Arts in the Journalism-Mass Communications Program is designed to enable students to transfer into a variety of major programs at K-State, Fort Hays, and other Mass-Communications programs across the Midwest. Cloud's Journalism-Mass Communications program is aligned so students can acquire a certificate and an Associate of Applied Science degree (AAS) while completing requirements for transfer.

Recommended Course Sequence:

First Semester: JN100, JN101, BE155
Second Semester: BE155
Third Semester: CM155, CM156, CM157, CM158,
Fourth Semester: BE188, Humanities Gen Ed

Students can select an area of emphasis: These general areas align with programs at universities and allow students to narrow their focus after they transfer. Faculty advisors will direct students toward basic courses needed for the major program at the university of transfer.

Requirements: Depending on ACT scores and/or placement exams, students may be required to take developmental courses which may add to the length of study.

Student Organizations: Thunderhead Media allows students hands-on training in video production, radio broadcasting, and online news writing. Additionally, each year Thunderhead Media students compete in the Kansas Association of Broadcaster's Student Awards Competition.

After Cloud: Obtaining an Associate of Arts in this area should prepare a student to transfer into a four-year baccalaureate program. This is not specifically a "School to Work" or "Career Ready" program.

Gainful Employment: The program results in an Associate of Arts degree which prepares students for further study at a four-year institution. Students who obtain a Bachelor's degree in this field could apply these skills to careers in mass communications such as radio and television announcer, camera operator, broadcast news analyst broadcast technicians, film and video editors, and broadcast and sound engineering, with potential entry-level wages as high as \$30,000 in Kansas. These skills may also be applicable to other careers such as advertising, promotions, marketing, and public relations, with potential entry-level wages as high as \$60,000 in Kansas. Associate degrees would make students more competitive for most entry level positions.

*Wage data pulled from the KS Labor Information Center at: klic.dol.ks.gov.

Transfer Institution Guide: A student who is interested in pursuing a baccalaureate degree should consult a CCCC advisor and the transfer guide and catalog of the four-year institution.

Elective Courses * 30 cr

AR129 Intro to Digital Photography (suggested)	3
AR120 Design I	3
AR121 Graphic Design I	3
BE152 Salesmanship	3
BE155 Marketing (suggested)	3
BE188 Principles of Advertising (suggested)	3
CM129 Media Law and Ethics	3
CM136 Mass Communications Software (suggested)	3
CM137 Intro to Multimedia Comm. (suggested)	3
CM138 Broadcast News	3
CM139 Sports Broadcasting (suggested)	3
CM140 Theater Appreciation	3
CM143 Play Production	3
CM148 Cinema Appreciation	3
CM155 Digital Magazine: Storytelling (suggested)	3
CM156 Digital Magazine: Design & Style	3
CM157 Mass Media Production I (suggested)	3
CM158 Mass Media Production II	3
CM240 Interpersonal Communication	3
CS104 Intro to Web Site Design (suggested)	3
CS107 Graphic Software Applications	3
JN100 Mass Media and Society (suggested)	3
JN101 Basic Media Writing	3
JN140 Beyond Web 2.0: Social Media as Identity	3
SS108 Women in American Society	3

Credits Required 62

Programs of Study

COMMUNICATIONS

JOURNALISM-MASS COMMUNICATION EMPHASIS

Associate of Arts

Suggested Semester Guideline

Semester 1

CM 115	Public Speaking	3 credit hours
JN 100	Mass Media and Society	3 credit hours
JN 101	Basic Media Writing	3 credit hours
	Humanities General Education	3 credit hours
	Math General Education	<u>3 credit hours</u>
	Total:	15 credit hours

Semester 2

CM 101	English Composition I	3 credit hours
	Science with Lab General Education	4 credit hours
	Social Science General Education ³	3 credit hours
	Elective	3 credit hours
	Elective	<u>3 credit hours</u>
	Total:	16 credit hours

Semester 3

CM 102	English Composition II	3 credit hours
CM155/CM156/CM157/or CM158	Production Course	3 credit hours
	Humanities General Education	3 credit hours
	Social Science General Education	3 credit hours
	Elective	3 credit hours
	Elective	<u>3 credit hours</u>
	Total:	18 credit hours

Semester 4

	Humanities General Education	3 credit hours
	Elective	<u>3 credit hours</u>
	Total:	15 credit hours
		64 credit hours

Programs of Study

COMMUNICATIONS

JOURNALISM - MASS COMMUNICATIONS

Associate of Applied Science

Students who choose the Journalism/Mass Communications focus develop the skills necessary to navigate the new world of convergent media. Students learn to gather and evaluate the credibility of information, compose original content for multiple communications mediums, identify legal and ethical considerations related to mass media professions, and apply those standards to the creation, production, and distribution of messages.

CM240	Interpersonal Communication	3
CS107	Graphic Software Applications	3
CA220	Cooperative Ed Internship	3

Credits Required 64

*All electives should be selected with assistance from an advisor. These options are general areas that will transfer to focused majors. Substitutions must be approved by the department chair.

General Education Required Courses 19cr

<i>Communication Requirement</i>	6
CM101 English Composition I (3 cr)	
CM115 Public Speaking (3 cr) or	
CM240 Interpersonal Communication (3 cr)	
<i>Humanities Requirement (1 of 8 areas required)</i>	3
Art Humanities	
Music Literature	
Theatre Philosophy	
Foreign Language History	
<i>Mathematics Requirement</i>	3
MA105 Survey of Math or	
MA110 Intermediate Algebra or	
Mathematics General Education Course	
<i>Natural Science Requirement</i>	4
SC107 Meteorology (4 cr)	
<i>Social/Behavioral Science Requirement (1 of 6 areas required)</i>	3
Economics Anthropology	
Psychology Political Science	
Sociology Geography	

Contact: Marc Malone
(785) 243-1435, ext 343
mmalone@cloud.edu

Degree Information: The Associates of Applied Science in the Journalism-Mass Communications Program is designed to send students directly into the workforce. Much of the coursework focuses on hands-on learning with the student-run Thunderhead Media group. Cloud also partners with industry professionals for the teaching of select courses. Students are encouraged to take an internship course where students work directly for one of various media companies in the community including KNCK, the local radio station, and graphic/marketing companies.

Recommended Course Sequence:

First Semester: JN100, CM136, BE155
Second Semester: CM240, BE188, JN101, CM155/156, JN140
Third Semester: AR129, CS104, CM139
Fourth Semester: CM158, SC107, CM129

Requirements: Depending on ACT scores and/or placement exams, students may be required to take developmental courses which may add to the length of study.

Student Organizations: Thunderhead Media allows students hands-on training in video production, radio broadcasting, and online news writing. Additionally, each year Thunderhead Media students compete in the Kansas Association of Broadcaster's Student Awards Competition.

After Cloud: Obtaining an Associate of Applied Science in this area should prepare a student to enter the work force. This is specifically a "School to Work" or "Career Ready" program. Cloud's Journalism-Mass Communications program is aligned so students can acquire a certificate and/or an Associate of Arts (AA) degree while completing the AAS.

Gainful Employment: The program results in an Associate of Applied Science degree which prepares students for entry into employment. Students with this credential would be prepared for employment as radio and TV announcers, radio operators, sound engineering technicians, broadcast technicians, and film and video editors, among others. Kansas wage data shows level positions in these fields range from \$17,000 to \$36,000. With accumulated experience, salaries range from \$37,000 to \$44,000

*Wage data pulled from the KS Labor Information Center at: klic.dol.ks.gov.

Transfer Institution Guide: A student who is interested in pursuing a baccalaureate degree should consult a CCCC advisor and the transfer guide and catalog of the four-year institution.

Required Courses * 33 cr

AR129 Intro to Digital Photography	3
BE155 Marketing	3
BE188 Principles of Advertising	3
CM129 Media Law and Ethics	3
CM136 Mass Communications Software	3
CM139 Sports Broadcasting	3
CM155 Digital Magazine: Storytelling or	
CM157 Mass Media Production I	3
CS104 Intro to Web Site Design	3
JN100 Mass Media and Society	3
JN101 Basic Media Writing	3
JN140 Beyond Web 2.0: Social Media as Identity	3

Elective Courses * 12 cr

AR120 Design I	3
AR121 Graphic Design I	3
AR122 Graphic Design II	3
BE152 Salesmanship	3
BE155 Marketing	3
CM137 Intro to Multimedia Comm.	3
CM138 Broadcast News (suggested)	3
CM156 Digital Magazine: Design & Style	3
CM158 Mass Media Production II (suggested)	3

Programs of Study

COMMUNICATIONS

JOURNALISM-MASS COMMUNICATION

Associate of Applied Science

Suggested Semester Guideline

Semester 1

CM 101	English Composition I	3 credit hours
JN 100	Mass Media and Society	3 credit hours
CM 136	Mass Communications Software	3 credit hours
BE 155	Marketing	3 credit hours
	Math General Education	<u>3 credit hours</u>
	Total:	15 credit hours

Semester 2

CM 240	Interpersonal Communications	3 credit hours
BE 188	Principles of Advertising	3 credit hours
JN 101	Basic Media Writing	3 credit hours
	Humanities General Education	3 credit hours
CM155	Digital Magazine Production: Storytelling or	
CM156	Digital Magazine Production: Design & Style	3 credit hours
JN 140	Beyond Web 2.0: Social Media as Identity	<u>3 credit hours</u>
	Total:	18 credit hours

Semester 3

AR 129	Introduction to Digital Photography	3 credit hours
CS 104	Introduction to Website Design	3 credit hours
CM 139	Sports Broadcasting	3 credit hours
	Journalism-Mass Comm. Elective	3 credit hours
	Social Science General Education	<u>3 credit hours</u>
	Total:	15 credit hours

Semester 4

CM 158	Mass Media Production II	3 credit hours
SC107	Meteorology	4 credit hours
CM 129	Media Law and Ethics	3 credit hours
	Journalism-Mass Comm. Elective	3 credit hours
	Journalism-Mass Comm. Elective	<u>3 credit hours</u>
	Total:	16 credit hours
		64 credit hours

Programs of Study

COMMUNICATIONS

JOURNALISM - MASS COMMUNICATIONS

30-Hour Certificate

Students who choose the Journalism/Mass Communications focus develop the skills necessary to navigate the new world of convergent media. Students learn to gather and evaluate the credibility of information, compose original content for multiple communications mediums, identify legal and ethical considerations related to mass media professions, and apply those standards to the creation, production, and distribution of messages.

General Education Required Courses 6 cr

<i>Communication Requirement</i>	6
CM101 English Composition I (3 cr)	
CM115 Public Speaking (3 cr) or	
CM240 Interpersonal Communications (3 cr)	

Required Courses 24 cr

BE155 Marketing	3
BE188 Principles of Advertising	3
CM136 Mass Communications Software	3
CM139 Sports Broadcasting	3
CM157 Mass Media Production I	3
CM158 Mass Media Production II	3
CM220 Cooperative Ed Internship	3
JN101 Basic Media Writing	3

Credits Required 30

*Substitutions must be approved by the department chair.

Contact: Marc Malone
(785) 243-1435, ext 343
mmalone@cloud.edu

Recommended Course Sequence:

First Semester: CM101/CM240, BE155, JN101, CM139, CM157
Second Semester: BE188, CM157, CM158, CM220

Requirements: Depending on ACT scores and/or placement exams, students may be required to take developmental courses which may add to the length of study.

Student Organizations: Thunderhead Media allows students hands-on training in video production, radio broadcasting, and online news writing. Additionally, each year Thunderhead Media students compete in the Kansas Association of Broadcasters' Student Awards Competition.

After Cloud: Obtaining a certificate in this area does not fully-prepare a student directly for employment. It does, however, develop and strengthen many skills that are considered essential for successful employment in the field. This is not specifically "School to Work" or "Career Ready" program.

Gainful Employment: This certificate is designed to advance specific skills within the Journalism-Mass Communications field. Students with this credential would be more marketable for entry-level work in the field.

Suggested Semester Guideline

Semester 1

BE 155 Marketing	3 credit hours
CM 136 Mass Communications Software	3 credit hours
CM 139 Sports Broadcasting	3 credit hours
CM157 Mass Media Production I	3 credit hours
CM 240 Interpersonal Communications	3 credit hours
Total:	15 credit hours

Semester 2

BE188 Principles of Advertising	3 credit hours
CM101 English Composition I	3 credit hours
CM158 Mass Media Production II	3 credit hours
CA220 Cooperative Ed Internship	3 credit hours
JN101 Basic Media Writing	3 credit hours
Total:	15 credit hours



Programs of Study

COMMUNICATIONS

VISUAL - MASS COMMUNICATIONS

30-Hour Certificate

Students who choose the Journalism/Mass Communications focus develop the skills necessary to navigate the new world of convergent media. Students learn to gather and evaluate the credibility of information, compose original content for multiple communications mediums, identify legal and ethical considerations related to mass media professions, and apply those standards to the creation, production, and distribution of messages.

Suggested Semester Guideline

General Education Required Courses 6 cr

<i>Communication Requirement</i>	6
CM101 English Composition I (3 cr)	
CM115 Public Speaking (3 cr) or	
CM240 Interpersonal Communications (3 cr)	

Required Courses 24 cr

AR120 Design I	3
AR121 Graphic Design I	3
AR122 Graphic Design II or	
CM220 Cooperative Ed Internship	3
AR129 Intro to Digital Photography	3
BE188 Principles of Advertising	3
CS107 Graphic Software Applications	3
CM156 Digital Magazine Prod: Design & Style or	
CM157 Mass Media Production I	3
JN101 Basic Media Writing	3

Credits Required 30

*Substitutions must be approved by the department chair.

Contact: Marc Malone
(785) 243-1435, ext 343
mmalone@cloud.edu

Recommended Course Sequence:

First Semester: CM101/CM240, AR120, CS107, JN101
Second Semester: BE188, CM156, AR129, AR121, CM220

Requirements: Depending on ACT scores and/or placement exams, students may be required to take developmental courses which may add to the length of study.

After Cloud: Obtaining a certificate in this area does not fully-prepare a student directly for employment. It does, however, develop and strengthen many skills that are considered essential for successful employment in the field. This is not specifically "School to Work" or "Career Ready" program.

Gainful Employment: This certificate is designed to advance specific skills within the Journalism-Mass Communications field. Students with this credential would be more marketable for entry-level work in the field.

Semester 1

CM 240 Interpersonal Communications	3 credit hours
AR129 Design I	3 credit hours
CS107 Graphic Software Applications	3 credit hours
JN101 Basic Media Writing	3 credit hours
CM101 English Composition I	<u>3 credit hours</u>
Total:	15 credit hours

Semester 2

BE188 Advertising	3 credit hours
CM156 Digital Magazine Production: Design and Style	3 credit hours
AR120 Intro to Digital Photography	3 credit hours
AR121 Graphic Design I	3 credit hours
CA220 Cooperative Ed Internship	<u>3 credit hours</u>
Total:	15 credit hours

Programs of Study

COMMUNICATIONS

SPEECH / THEATRE EMPHASIS

Associate of Arts

Students in the program refine presentation and performance skills, develop an appreciation for the performing arts, examine the cultural contexts of communication and art, and apply audience analysis and critical inquiry to the discussion, development, creation, and presentation of a message.

*All electives should be selected with assistance from an advisor. These options are general areas that will transfer to focused majors. Substitutions must be approved by the department chair.

Contact: Marc Malone
(785) 243-1435, ext 343
mmalone@cloud.edu

Minimum General Education Required Courses 31 cr

Communication Requirement 9

- CM101 English Composition I (3 cr)
- CM102 English Composition II (3 cr)
- CM115 Public Speaking (3 cr) or
- CM240 Interpersonal Communications (3 cr)

Humanities Requirement (3 areas required) 9

- | | |
|------------------|------------|
| Art | Humanities |
| Music | Literature |
| Theatre | Philosophy |
| Foreign Language | History |

Mathematics Requirement 3

- Mathematics General Education Course

Natural Science Requirement (1 area required) 4-5

- Physical Science (4-5 cr)
- Biological Science (4-5 cr)

Social/Behavioral Science Requirement (2 areas required) 6

- | | |
|------------|-------------------|
| Economics | Anthropology |
| Psychology | Political Science |
| Sociology | Geography |

Elective Courses* 31 cr

- AR130 Drawing I 3
- AR140 Painting I 3
- BE155 Marketing 3
- BE188 Principles of Advertising 3
- CM106 Creative Writing I 3
- CM107 Creative Writing II 3
- CM121 Introduction to Literature (suggested) 3
- CM122 American Literature I 3
- CM123 American Literature II 3
- CM124 World Literature & the Human Experience 3
- CM125 Children's Literature 3
- CM127 The Short Story 3
- CM140 Theater Appreciation (suggested) 3
- CM141 Intro to Performance: (suggested) 3
- CM142 Advanced Performance 3
- CM143 Play Production (suggested) 3
- CM146 Play Production II 3
- CM148 Cinema Appreciation (suggested) 3
- CM240 Interpersonal Communication 3
- MU100 Music Appreciation 3
- MU101 American Music 3
- MU103 History of Rock 3
- MU110 Harmony and Ear Training 3

Degree Information: The Associates of Arts in the Speech/Theatre Program is designed to enable students to transfer into a variety of English major programs at K-State, Fort Hays, and other theatre programs across the Midwest.

Recommended Course Sequence:

- First Semester: CM140, CM143
- Second Semester: CM141,
- Third Semester: Humanities and Social Science Gen Ed
- Fourth Semester: Humanities Gen Ed

Students can select an area of emphasis: These general areas align with programs at universities and allow students to narrow their focus after they transfer. Faculty advisors will direct students toward basic courses needed for the major program at the university of transfer.

Requirements: Depending on ACT scores and/or placement exams, students may be required to take developmental courses which may add to the length of study.

Student Organizations: Students are encouraged to participate in one of the three productions throughout the year. Students are allowed and encouraged to perform in plays as early as their first semester.

After Cloud: Obtaining an Associate of Arts in this area should prepare a student to transfer into a four-year baccalaureate program. This is not specifically a "School to Work" or "Career Ready" program.

Gainful Employment: The program results in an Associate of Arts degree which is intended to prepare students for further study at a four-year institution. Students who obtain a bachelor's degree in this field could apply their skills to careers in the arts such as acting, directing, and producing. They may also be applicable to other careers such as advertising, promotions, marketing, and public relations. Associate degrees would make students more competitive for most entry level positions.

Transfer Institution Guide: A student who is interested in pursuing a baccalaureate degree should consult a CCCC advisor and the transfer guide and catalog of the four-year institution.

Credits Required 62

Programs of Study

COMMUNICATIONS

SPEECH / THEATER EMPHASIS

Associate of Arts

Suggested Semester Guideline

Semester 1

CM 101	English Composition I	3 credit hours
CM 140	Theater Appreciation	3 credit hours
CM 143	Play Production I	3 credit hours
	Humanities General Education	3 credit hours
	Math General Education	<u>3 credit hours</u>
	Total:	15 credit hours

Semester 2

CM 102	English Composition II	3 credit hours
CM 141	Introduction to Performance	3 credit hours
	Science with Lab General Education	4 credit hours
	Social Science General Education	3 credit hours
	Elective	<u>3 credit hours</u>
	Total:	16 credit hours

Semester 3

CM 115	Public Speaking	3 credit hours
	Humanities General Education	3 credit hours
	Social Science General Education	3 credit hours
	Elective	3 credit hours
	Elective	3 credit hours
	Elective	<u>3 credit hours</u>
	Total:	18 credit hours

Semester 4

	Humanities General Education	3 credit hours
	Elective	<u>3 credit hours</u>
	Total:	15 credit hours
		64 credit hours

Programs of Study

EARLY CHILDHOOD EDUCATION AND HUMAN ECOLOGY

DIETETICS

Associate of Science

Cloud County Community College has agreements with various Regent Universities across Kansas where students can take courses at CCCC for two years than transfer into the university system the third year as juniors. Students who plan to major in early childhood education and human ecology with a dietetics emphasis may begin this degree program at CCCC.

Contact: Spencer Farha
(785) 243-1435, ext 269
safarha@cloud.edu

Program Information: The Associates of Science in Early Childhood Education and Human Ecology with a dietetics emphasis is designed to enable students to transfer into a variety of education programs in other colleges and universities across the Midwest. The following list represents a suggested guide towards a program of study and is intended to meet typical requirements of a transfer institution. The program may be modified to reflect student interests and/or the requirements of a particular institution.

Recommended Course Sequence:

First Semester: SC110, SC131
Second Semester: SC132, SS106
Third Semester: HE124, SC134
Fourth Semester: SC111/SC112

Requirements: Depending on ACT scores and/or placement exams, students may be required to take developmental courses which may add to the length of study.

After Cloud: The dietetics, general education, and elective area courses are designed for students who intend to transfer to four-year colleges and universities to complete educational requirements necessary for careers in early childhood educational settings in dietetics and related fields.

Gainful Employment: The program results in an Associate of Science degree which prepares students for further study at a four-year institution. Students who obtain a Bachelor's degree in this field could apply these skills to careers in dietetics and other related fields. Obtaining an Associate of Science in this area should allow a student to transfer into a four-year baccalaureate program. This is not specifically a "School to Work" or "Career Ready" program. Associate degrees may make students more competitive for most entry level positions. Gainful Employment Data would be comparable to various entry level positions at or above minimum wage values.

Transfer Institution Guide: A student who is interested in pursuing a baccalaureate degree should consult a CCCC advisor and the transfer guide and catalog of the four-year institution.

Minimum General Education Required Courses 32 cr

Communication Requirement 9

- CM101 English Composition I (3 cr)
- CM102 English Composition II (3 cr)
- CM115 Public Speaking (3 cr) or
- CM240 Interpersonal Communications (3 cr)

Humanities Requirement (2 areas required) 6

- | | |
|------------------|------------|
| Art | Humanities |
| Music | Literature |
| Theatre | Philosophy |
| Foreign Language | History |

Mathematics Requirement 3

- Mathematics General Education Course

Natural Science Requirement (2 areas required) 8-10

- Physical Science
- Biological Science

Social/Behavioral Science Requirement (2 areas required) 6

- | | |
|------------|-------------------|
| Economics | Anthropology |
| Psychology | Political Science |
| Sociology | Geography |

Elective Courses 32 cr

- | | |
|--|---|
| BE170 Business Statistics or (suggested) | 3 |
| SS130 Introduction to Sociology | 3 |
| EC101 Economics I | 3 |
| CS108 Computer Applications (suggested) | 3 |
| HE124 Nutrition (suggested) | 3 |
| SC111 Microbiology (suggested) | 3 |
| SC112 Microbiology Lab (suggested) | 3 |
| SC120 Human Anatomy & Physiology I | 4 |
| SC121 Human Anatomy & Physiology II | 4 |
| SC131 Chemistry I | 5 |
| SC132 Chemistry II | 5 |
| SC134 Organic Chemistry | 5 |
| SS101 General Psychology | 3 |
| SS106 Marriage & Family (suggested) | 3 |

Credits Required 63

*All electives should be selected with assistance from an advisor. These options are general areas that will transfer to focused majors. Substitutions must be approved by the department chair.

Programs of Study

EARLY CHILDHOOD EDUCATION AND HUMAN ECOLOGY

DIETETICS EMPHASIS

Associate of Science

Suggested Semester Guideline

Semester 1

CM 101	English Composition I	3 credit hours
MA 111	College Algebra	3 credit hours
SC 110	Principles of Biology I w/Lab	5 credit hours
SC 131	Chemistry I w/Lab	<u>5 credit hours</u>
	TOTAL	16 credit hours

Semester 2

CM 102	English Composition II	3 credit hours
MA 114	Elementary Statistics	3 credit hours
SC 132	Chemistry II w/ Lab	5 credit hours
SS 106	Marriage & Family	3 credit hours
	Humanities General Education	<u>3 credit hours</u>
	TOTAL	17 credit hours

Semester 3

SC 120	Human Anatomy & Phys I	5 credit hours
HE 124	Nutrition	3 credit hours
SC 134	Organic Chemistry w/Lab	5 credit hours
CM 115	Public Speaking	<u>3 credit hours</u>
	TOTAL	16 credit hours

Semester 4

	Humanities General Education	3 credit hours
SC 111	Microbiology	3 credit hours
SC 112	Microbiology Lab	2 credit hours
	Social Science General Education	3 credit hours
EC 101	Economics I	<u>3 credit hours</u>
	TOTAL	14 credit hours
		63 credit hours

Programs of Study

EARLY CHILDHOOD EDUCATION AND HUMAN ECOLOGY

FAMILY STUDIES & HUMAN SERVICES

Associate of Science

Cloud County Community College has agreements with various Regent Universities across Kansas where students can take courses at CCCC for two years then transfer into the university system the third year as juniors. Students who plan to major in early childhood education and human ecology with a family studies & human services emphasis may begin this degree program at CCCC. These individuals who earn bachelor's degrees can enter a dynamic and crucially important field which can benefit innumerable families and children in the future.

Contact: Spencer Farha
(785) 243-1435, ext 269
safarha@cloud.edu

Program Information: The Associates of Science in Early Childhood Education and Human Ecology with an emphasis on family studies and human services is designed to enable students to transfer into a variety of programs at K-State, KU, WSU, and other programs across the Midwest. The following list represents a suggested guide towards a program of study and is intended to meet typical requirements of a transfer institution. The program may be modified to reflect student interests and/or the requirements of a particular institution.

Recommended Course Sequence:

First Semester: CM101, HE150, HE151
Second Semester: CM102, SS101
Third Semester: CM115 or CM240, SS105
Fourth Semester: SS106

Requirements: Depending on ACT scores and/or placement exams, students may be required to take developmental courses which may add to the length of study.

After Cloud: The courses in this emphasis are designed for students who intend to transfer to four-year colleges and universities to complete educational requirements necessary for careers in early childhood family studies and related occupations.

Gainful Employment: The program results in an Associate of Science degree which prepares students for further study at a four-year institution. Students who obtain a bachelor's degree in this field could apply these skills to careers in cities as a program coordinator at a large preschool center for children. Entry-level employment with a bachelor's degree in early childhood education with an emphasis on family studies and human services can vary widely depending on the specific position and location. The average salary for specialists in family and human services working similar to social workers can be approximately \$44,400. Obtaining an Associate of Science in this area should allow a student to transfer into a four-year baccalaureate program. This is not specifically a "School to Work" or "Career Ready" program. Associate degrees may make students more competitive for most entry level positions. Gainful employment data would be comparable to various entry level positions at or above minimum wage values.

Transfer Institution Guide: A student who is interested in pursuing a baccalaureate degree should consult a CCCC advisor and the transfer guide and catalog of the four-year institution.

Minimum General Education Required Courses 32 cr

Communication Requirement 9

- CM101 English Composition I (3 cr)
- CM102 English Composition II (3 cr)
- CM115 Public Speaking (3 cr) or
- CM240 Interpersonal Communications (3 cr)

Humanities Requirement (2 areas required) 6

- | | |
|------------------|------------|
| Art | Humanities |
| Music | Literature |
| Theatre | Philosophy |
| Foreign Language | History |

Mathematics Requirement 3

- Mathematics General Education Course

Natural Science Requirement (2 areas required) 8-10

- Physical Science
- Biological Science

Social/Behavioral Science Requirement 6

(2 areas required)

- | | |
|------------|-------------------|
| Economics | Anthropology |
| Psychology | Political Science |
| Sociology | Geography |

Elective Courses * 30 cr

- BE153 Personal Finance 3
- CS108 Computer Applications 3
- HE124 Nutrition 3
- HE150 Early Childhood Development 3
- HE151 Early Childhood Development Lab 1
- HE168 Family and Cultural Perspectives 3
- PE137 Introduction to Recreation 3
- SS101 General Psychology 3
- SS105 Human Growth & Development 3
- SS106 Marriage & Family 3
- SS120 Western Civilization I 3
- SS125 Intro to Cultural Anthropology 3

Credits Required 62

*All electives should be selected with assistance from an advisor. These options are general areas that will transfer to focused majors. Substitutions must be approved by the department chair.

Programs of Study

EARLY CHILDHOOD EDUCATION AND HUMAN ECOLOGY

FAMILY STUDIES & HUMAN SERVICES

Associate of Science

Suggested Semester Guideline

Semester 1

CM 101	English Composition I	3 credit hours
MA 111	College Algebra (or higher)	3 credit hours
HE 150	Early Childhood Development	3 credit hours
HE 151	Early Childhood Development Lab	1 credit hour
	Humanities General Education	3 credit hours
	Humanities General Education	3 credit hours
PE 110	Total Fitness	<u>1 credit hour</u>
	Total:	17 credit hours

Semester 2

CM 102	English Composition II	3 credit hours
SC 104	Geology	4 credit hours
	Humanities General Education	3 credit hours
SS 101	General Psychology	3 credit hours
MA 114	Elementary Statistics	<u>3 credit hours</u>
	Total:	16 credit hours

Semester 3

	Biological Science with Lab General Education	4 credit hours
EC 101	Economics I	3 credit hours
SS 105	Human Growth and Development	3 credit hours
SS 130	Introduction to Sociology	3 credit hours
CM 115	Public Speaking or	
CM240	Interpersonal Communication	<u>3 credit hours</u>
	Total:	16 credit hours

Semester 4

CM 124	World Literature	3 credit hours
SS 125	Introduction to Cultural Anthropology	3 credit hours
	Physical Science with Lab General Education	4 credit hours
SS 106	Marriage and Family	<u>3 credit hours</u>
	Total:	13 credit hours
		62 credit hours

Programs of Study

EARLY CHILDHOOD EDUCATION AND HUMAN ECOLOGY

HUMAN DEVELOPMENT & FAMILY STUDIES: EARLY CHILDHOOD EDUCATION OPTION Associate of Science

Cloud County Community College has agreements with various Regent Universities across Kansas where students can take courses at CCCC for two years than transfer into the university system the third year as juniors. Students who plan to major in early childhood education and human ecology with a human development and family studies: early childhood education option may begin this degree program at CCCC. Individuals who earn bachelor's degrees can enter a wide range of very influential community programs helping families and children.

Contact: Spencer Farha
(785) 243-1435, ext 269
safarha@cloud.edu

Program Information: The Associates of Science in Early Childhood Education and Human Ecology with a emphasis of human development and family studies: early childhood education option is designed to enable students to transfer into a variety of education programs in other colleges and universities across the Midwest. The following list represents a suggested guide towards a program of study and is intended to meet typical requirements of a transfer institution. The program may be modified to reflect student interests and/or the requirements of a particular transfer institution.

Recommended Course Sequence:

First Semester: CM101, HE150, HE151
Second Semester: CM102, HE152, HE153, HE154
Third Semester: CM115/CM240, HE155
Fourth Semester: HE153, HE154

Requirements: Depending on ACT scores and/or placement exams, students may be required to take developmental courses which may add to the length of study.

After Cloud: The courses in this emphasis are designed for students who intend to transfer to four-year colleges and universities to complete educational requirements necessary for careers in early childhood, with an emphasis in human development and family studies focusing on an early childhood option.

Gainful Employment: This program results in an Associate of Science degree which prepares students for further study at a four-year institution. Students who obtain a bachelor's degree in this field could apply these skills to careers in coordinating community programs such as Parents as Teachers, extension office work, and Head Start. Entry-level employment with a bachelor's degree in early childhood education with an emphasis in human development, family studies and an early childhood education option can cover a wide range of responsibilities. The salaries can range from \$30,000 to \$40,000. Obtaining an Associate of Science in this area should allow a student to transfer into a four-year baccalaureate program. None of these are specifically "School to Work" or "Career Ready" programs. Associate degrees may make students more competitive for most entry-level positions. Gainful employment data would be comparable to various entry level positions at or above minimum wage values.

Transfer Institution Guide: A student who is interested in pursuing a baccalaureate degree should consult a CCCC advisor and the transfer guide and catalog of the four-year institution.

Minimum General Education Required Courses 32 cr

<i>Communication Requirement</i>	9
CM101 English Composition I (3 cr)	
CM102 English Composition II (3 cr)	
CM115 Public Speaking (3 cr) or	
CM240 Interpersonal Communications (3 cr)	
<i>Humanities Requirement (2 areas required)</i>	6
Art Humanities	
Music Literature	
Theatre Philosophy	
Foreign Language History	
<i>Mathematics Requirement</i>	3
Mathematics General Education Course	
<i>Natural Science Requirement (2 areas required)</i>	8-10
Physical Science	
Biological Science	
<i>Social/Behavioral Science Requirement (2 of 6 areas required)</i>	6
Economics Anthropology	
Psychology Political Science	
Sociology Geography	

Elective Courses * 30 cr

CS108 Computer Applications	3
HE124 Nutrition	3
HE150 Early Childhood Development	3
HE151 Early Childhood Development Lab	1
HE152 Interaction Techniques w/Young Children	3
HE153 Creative Activities for Young Children	3
HE154 Creative Activities for Yng/Children Lab	1
HE155 Parent/Provider Relations	3
HE156 Develop Program Planning Yng Child>2,5	3
HE157 Dev Program Planning Yng Child>2.5 Lab	1
HE160 Child Care Admin & Organization	3
HE162 Child Care Management	1
SS105 Human Growth & Development	3
SS106 Marriage & Family	3

Credits Required 62

*All electives should be selected with assistance from an advisor. These options are general areas that will transfer to focused majors. Substitutions must be approved by the department chair.

Programs of Study

EARLY CHILDHOOD EDUCATION AND HUMAN ECOLOGY

HUMAN DEVELOPMENT & FAMILY STUDIES: EARLY CHILDHOOD EDUCATION OPTION

Associate of Science

Suggested Semester Guideline

Semester 1

CM 101	English Composition I	3 credit hours
HE 150	Early Childhood Development	3 credit hours
HE 151	Early Childhood Development Lab	1 credit hour
MA 111	College Algebra (or higher)	3 credit hours
SS 101	General Psychology	3 credit hours
	Humanities General Education	3 credit hours
PE 110	Total Fitness	<u>1 credit hour</u>
	Total:	17 credit hours

Semester 2

CM 102	English Composition II	3 credit hours
HE 152	Interactive Techniques with Young Children	3 credit hours
SS 130	Introduction to Sociology	3 credit hours
CM 115	Public Speaking	3 credit hours
MA 114	Elementary Statistics	<u>3 credit hours</u>
	Total:	15 credit hours

Semester 3

EC 101	Economics I	3 credit hours
	Biological Science with Lab General Education	4 credit hours
SS 105	Human Growth and Development	3 credit hours
HE 124	Nutrition	3 credit hours
HE 155	Parent, Providers, and Community Relationships	<u>3 credit hours</u>
	Total:	16 credit hours

Semester 4

SS 106	Marriage and Family	3 credit hours
	Physical Science with Lab General Education ⁿ	4 credit hours
HE 153	Creative Activities for Young Children	3 credit hours
HE 154	Creative Activities for Young Children Lab	1 credit hour
	Humanities General Elective	<u>3 credit hours</u>
	Total:	14 credit hours
		62 credit hours

Programs of Study

EARLY CHILDHOOD EDUCATION AND HUMAN ECOLOGY

FAMILY AND CONSUMER SCIENCES EDUCATION

Associate of Science

Cloud County Community College has agreements with various Regent Universities across Kansas where students can take courses at CCCC for two years then transfer into the university system the third year as juniors. Students who plan to major in early childhood education and human ecology with a human development and family studies: family and consumer sciences education emphasis may begin this degree program at CCCC. Individuals who earn bachelor's degrees can enter a wide range of community programs helping families and children.

*All electives should be selected with assistance from an advisor. These options are general areas that will transfer to focused majors. Substitutions must be approved by the department chair.

Contact: Spencer Farha
(785) 243-1435, ext 269
safarha@cloud.edu

Minimum General Education Required Courses 32 cr

Communication Requirement 9

- CM101 English Composition I (3 cr)
- CM102 English Composition II (3 cr)
- CM115 Public Speaking (3 cr) or
- CM240 Interpersonal Communications (3 cr)

Humanities Requirement (2 areas required) 6

- | | |
|------------------|------------|
| Art | Humanities |
| Music | Literature |
| Theatre | Philosophy |
| Foreign Language | History |

Mathematics Requirement 3

- Mathematics General Education Course

Natural Science Requirement (2 areas required) 8-10

- Physical Science
- Biological Science

Social/Behavioral Science Requirement (2 areas required) 6

- | | |
|------------|-------------------|
| Economics | Anthropology |
| Psychology | Political Science |
| Sociology | Geography |

Elective Courses * 30 cr

- BE153 Personal Finance 3
- CS108 Computer Applications 3
- EC101 Economics I 3
- ED100 Introduction to Education 3
- ED101 Intro to Education Practicum 1
- HE124 Nutrition ** 3
- HE150 Early Childhood Development ** 3
- HE151 Early Childhood Development Lab ** 1
- HE152 Interaction Techniques w/Yng Children ** 3
- HE168 Family & Cultural Perspectives 3
- MA114 Elementary Statistics 3
- PE141 Personal Wellness 3
- SS101 General Psychology 3
- SS105 Human Growth & Development 3
- SS106 Marriage & Family 3
- SS125 Intro to Cultural Anthropology 3
- SS130 Introduction to Sociology 3

** (Suggested)

Program Information: The Associates of Science in Early Childhood Education and Human Ecology with an emphasis of family and consumer sciences education is designed to enable students to transfer into a variety of education programs in other colleges and universities across the Midwest. The following list represents a suggested guide towards a program of study and is intended to meet typical requirements of a transfer institution.

Recommended Course Sequence:

- First Semester: HE150, HE151
- Second Semester: SS125
- Third Semester: ED100, ED101, HE152
- Fourth Semester: HE124

Requirements: Depending on ACT scores and/or placement exams, students may be required to take developmental courses which may add to the length of study.

After Cloud: The courses in this emphasis are designed for students who intend to transfer to four-year colleges and universities to complete educational requirements necessary for careers in early childhood teacher licensure for family and consumer sciences education.

Gainful Employment: This program results in an Associate of Science degree, which prepares students for further study at a four-year institution. Students who obtain a bachelor's degree in this field could apply these skills to careers in public and private schools teaching family and consumer sciences education courses. Entry-level employment with a bachelor's degree in early childhood education with an emphasis in family and consumer sciences education can vary widely depending on the specific position and locations. The salaries vary depending upon if a person teaches at a public or private school and can vary depending upon the state the school is in. Obtaining an Associate of Science in this area should allow a student to transfer into a four-year baccalaureate program. None of these are specifically "School to Work" or "Career Ready" programs. Associate degrees may make students more competitive for most entry level positions. Gainful employment data would be comparable to various entry level positions at or above minimum wage values.

Transfer Institution Guide: A student who is interested in pursuing a baccalaureate degree should consult a CCCC advisor and the transfer guide and catalog of the four-year institution.

Credits Required 62

Programs of Study

EARLY CHILDHOOD EDUCATION AND HUMAN ECOLOGY

FAMILY AND CONSUMER SCIENCES EDUCATION

Associate of Science

Suggested Semester Guideline

Semester 1

CM 101	English Composition I	3 credit hours
HE 150	Early Childhood Development	3 credit hours
HE 151	Early Childhood Development Lab	1 credit hour
MA 111	College Algebra (or higher)	3 credit hours
	Biological Science with Lab General Education	4 credit hours
PE 110	Total Fitness	<u>1 credit hour</u>
	Total:	15 credit hours

Semester 2

CM 102	English Composition II	3 credit hours
SS 125	Intro to Cultural Anthropology	3 credit hours
SS 101	General Psychology	3 credit hours
	Humanities General Education	3 credit hours
MA 114	Elementary Statistics	<u>3 credit hours</u>
	Total:	15 credit hours

Semester 3

SS 130	General Chemistry and Lab	4 credit hours
HE 152	Interaction Techniques with Young Children	3 credit hours
EC 101	Economics I	3 credit hours
ED 100	Intro to Education	3 credit hours
ED101	Intro to Education Practicum	1 credit hour
PE 141	Personal Wellness	<u>3 credit hours</u>
	Total:	17 credit hours

Semester 4

CM 115	Public Speaking	3 credit hours
	Humanities General Education	3 credit hours
SS 106	Marriage and Family	3 credit hours
SS 105	Human Growth and Development	3 credit hours
HE 124	Nutrition	<u>3 credit hours</u>
	Total:	15 credit hours
		62 credit hours

Programs of Study

EDUCATION

ELEMENTARY EDUCATION EMPHASIS

Associate of Arts / Associate of Science

Cloud County Community College has agreements with various Regents Universities across Kansas where students can take courses at CCCC for two years, then transfer into the university system the third year as juniors. Students who plan to major in teaching may begin this bachelor's degree program at Cloud County Community College. Teaching majors with bachelor's degrees enter a profession that has the platform to serve as true leaders and role models to young people.

Contact: Spencer Farha
(785) 243-1435, ext 269
safarha@cloud.edu

Degree Information: The Associate of Science degree in Elementary Education prepares students to transfer to a four-year university to complete the next degree.

Minimum General Education Required Courses 31-32 cr

Communication Requirement 9
CM101 English Composition I (3 cr)
CM102 English Composition II (3 cr)
CM115 Public Speaking (3 cr) or
CM240 Interpersonal Communications (3 cr)

Humanities Requirement (AA- 3 areas required) 9
(AS - 2 areas required) 6

Art
Humanities
Music
Literature (CM121 Intro to Literature -suggested)
Theatre
Philosophy
Foreign Language
History

Mathematics Requirement 3
Mathematics General Education Course

Natural Science Requirement (AA- 1 of 2 areas required) 4-5
(AS- 2 of 2 areas required) 8-10

Biological Science
Physical Science

Social/Behavioral Science Requirement 6
(AA/AS - 2 areas required)

Economics
Anthropology
Psychology (SS101 General Psychology - suggested)
Political Science
Sociology (SS130 Intro to Sociology - suggested)
Geography

Elective Courses* 31 cr

CM125 Literature for Children 3
CS108 Computer Applications 3
ED100 Intro to Education 3
ED101 Intro to Education Practicum 1
GE101 World Geography 3
MA114 Elementary Statistics 3
PE141 Personal Wellness 3
SS105 Human Growth & Development 3
Electives 9

Credits Required 62-63

*All electives should be selected with assistance from an advisor. These options are general areas that will transfer to focused majors. Substitutions must be approved by the department chair.

Recommended Course Sequence:

First Semester: CM101, MA111, SS101
Second Semester: CM102, MA114, SS105
Third Semester: ED100, ED101
Fourth Semester: PE141, SS130

Requirements: Students must maintain at least a 2.75 GPA for acceptance into teacher education.

After Cloud: Most transfer institutions require education majors to pass (30th percentile or higher) the Pre-Professional Skills Test (PPST) BEFORE acceptance into teacher education. The PPST is a test of general knowledge in the areas of reading, mathematics, and writing. Cloud County administers the PPST each fall. For more information, contact the CCCC Advisement Center.

Gainful Employment: Obtaining an Associate of Science or Associate of Arts degree with an emphasis in teaching should allow a student to transfer into a four-year program. This degree is not specifically a "School to Work" or "Career Ready" program. Associate degrees would make students more competitive for most entry level positions. Gainful employment data would be comparable to various entry level positions at or above minimum wage values.

Transfer Institution Guide: A student who is interested in pursuing a baccalaureate degree should consult a CCCC advisor and the transfer guide and catalog of the four-year institution.



Programs of Study

EDUCATION

ELEMENTARY EDUCATION EMPHASIS

Associate of Arts / Associate of Science

Suggested Semester Guideline

Semester 1

CM 101	English Composition I	3 credit hours
MA 111	College Algebra (or higher)	3 credit hours
SS 101	General Psychology	3 credit hours
GE 101	World Geography	3 credit hours
	Humanities General Education	<u>3 credit hours</u>
	Total:	15 credit hours

Semester 2

CM 102	English Composition II	3 credit hours
CM 115	Public Speaking	3 credit hours
SS 105	Human Growth and Development	3 credit hours
MA 114	Elementary Statistics	3 credit hours
CS 108	Computer Applications	<u>3 credit hours</u>
	Total:	15 credit hours

Semester 3

ED 100	Introduction to Education	3 credit hours
ED 101	Introduction to Education Practicum	1 credit hour
	Science with Lab Gen Ed	4 credit hours
CM 121	Introduction to Literature	3 credit hours
CM 125	Literature for Children	3 credit hours
	Elective	<u>3 credit hours</u>
	Total:	17 credit hours

Semester 4

PE 141	Personal Wellness	3 credit hours
	Humanities General Education (AA) or Science General Education (AS)	3/4 credit hours
SS 130	Introduction to Sociology	3 credit hours
	Elective	3 credit hours
	Elective	<u>3 credit hours</u>
	Total:	15/16 credit hours 62/63 credit hours

Programs of Study

EDUCATION

PHYSICAL EDUCATION K-12 EMPHASIS

Associate of Arts / Associate of Science

Cloud County Community College has agreements with various Regents Universities across Kansas where students can take courses at CCCC for two years, then transfer into the university system the third year as juniors. Students who plan to major in teaching may begin this bachelor's degree program at Cloud County Community College. Teaching majors with bachelor's degrees enter a profession that has the platform to serve as true leaders and role models to young people.

Contact: Spencer Farha
(785) 243-1435, ext 269
safarha@cloud.edu

Degree Information: The Associate of Science degree in Elementary Education prepares students to transfer to a 4-year university to complete the next degree.

Minimum General Education Required Courses 31-32 cr

<i>Communication Requirement</i>	9
CM101 English Composition I (3 cr)	
CM102 English Composition II (3 cr)	
CM115 Public Speaking (3 cr) or	
CM240 Interpersonal Communications (3 cr)	

<i>Humanities Requirement</i>	(AA- 3 areas required)	9
	(AS - 2 areas required)	6
Art	Humanities	
Music	Literature	
Theatre	Philosophy	
Foreign Language	History	

<i>Mathematics Requirement</i>	3
Mathematics General Education Course	

<i>Natural Science Requirement</i>	(AA- 1 of 2 areas required)	4-5
	(AS- 2 of 2 areas required)	8-10
Biological Science		
Physical Science		

<i>Social/Behavioral Science Requirement</i>	(AA/AS - 2 areas required)	6
Economics	Anthropology	
Psychology	Political Science	
Sociology	Geography	

Elective Courses* 30-31 cr

ED100 Intro to Education	3
ED101 Intro to Education Practicum	1
MA114 Elementary Statistics	3
PE131 First Aid & Safety	3
PE136 Theory of Coaching	3
PE141 Personal Wellness	3
PE146 Concepts of Team Sports	3
SS105 Human Growth & Development	3
Electives	9

Credits Required 62

*All electives should be selected with assistance from an advisor. These options are general areas that will transfer to focused majors. Substitutions must be approved by the department chair.

Recommended Course Sequence:

First Semester: CM101, PE146
Second Semester: CM102, ED100, ED101, PE141
Third Semester: SC120, PE131,
Fourth Semester: PE136, CM115/CM240, SS105

Requirements: Students must maintain at least a 2.75 GPA for acceptance into teacher education.

After Cloud: Most transfer institutions require education majors to pass (30th percentile or higher) the Pre-Professional Skills Test (PPST) BEFORE acceptance into teacher education. The PPST is a test of general knowledge in the areas of reading, mathematics, and writing. Cloud County administers the PPST each fall. For more information, contact the CCCC Advisement Center.

Gainful Employment: Obtaining an Associate of Science degree with an emphasis in teaching should allow a student to transfer into a four-year program. This degree is not specifically a "School to Work" or "Career Ready" program. Associate degrees would make students more competitive for most entry level positions. Gainful employment data would be comparable to various entry level positions at/or above minimum wage values.

Transfer Institution Guide: A student who is interested in pursuing a baccalaureate degree should consult a CCCC advisor and the transfer guide and catalog of the four-year institution.



Programs of Study

EDUCATION

PHYSICAL EDUCATION K-12 EMPHASIS

Associate of Arts / Associate of Science

Suggested Semester Guideline

Semester 1

CM 101	English Composition I	3 credit hours
MA 111	College Algebra (or higher)	3 credit hours
PE 146	Concepts of Team Sports	3 credit hours
SS 101	General Psychology	3 credit hour
	Humanities General Education	<u>3 credit hours</u>
	Total:	15 credit hours

Semester 2

CM 102	English Composition II	3 credit hours
ED 100	Introduction to Education	3 credit hours
ED 101	Introduction to Education Practicum	1 credit hours
PE 141	Personal Wellness	3 credit hours
	Social Science General Education	3 credit hours
	Elective	<u>3 credit hours</u>
	Total:	16 credit hours

Semester 3

PE 131	First Aid and Safety	3 credit hours
SC 120	Human Anatomy & Physiology I	4 credit hours
	Social Science General Education	3 credit hours
	Humanities General Education	3 credit hours
	Elective	<u>3 credit hours</u>
	Total:	16 credit hours

Semester 4

PE 136	Theory of Coaching	3 credit hours
CM 115	Public Speaking	3 credit hours
	Humanities General Education (AA) or Science with Lab General Education (AS)	3-4 credit hours
SS 105	Human Growth & Development	3 credit hours
	Elective	<u>3 credit hours</u>
	Total:	15/16 credit hours
		62/63 credit hours

Programs of Study

EDUCATION

SECONDARY EDUCATION - AGRICULTURE EMPHASIS

Associate of Science

Cloud County Community College has agreements with various Regents Universities across Kansas where students can take courses at CCCC for two years, then transfer into the university system the third year as juniors. Students who plan to major in education with an agriculture emphasis may begin this bachelor's degree program at Cloud County Community College.

Contact: Spencer Farha Jamieson Gross
(785) 243-1435, ext 269 or (785) 243-1435, ext 253
safarha@cloud.edu jgross@cloud.edu

Minimum General Education Required Courses 32 cr

Communication Requirement 9

CM101 English Composition I (3 cr)

CM102 English Composition II (3 cr)

CM115 Public Speaking (3 cr) or

CM240 Interpersonal Communications (3 cr)

Humanities Requirement (2 areas required) 6

Art

Humanities

Music

Literature (CM121 Intro to Literature -suggested)

Theatre

Philosophy

Foreign Language

History

Mathematics Requirement 3

Mathematics General Education Course

Natural Science Requirement (2 areas required) 8-10

Biological Science

Physical Science

Social/Behavioral Science Requirement (2 areas required) 6

Economics

Anthropology

Psychology (SS101 General Psychology - suggested)

Political Science

Sociology (SS130 Intro to Sociology - suggested)

Geography

Elective Courses 30 cr

AG101 Plant Science 4

AG104 Soils 3

AG115 Animal Science 3

AG130 Principles of Ag Economics 3

AG210 Agriculture Advertising & Design 3

ED100 Elementary Education 3

ED101 Elementary Education Practicum 1

GE101 World Geography 3

MA114 Elementary Statistics 3

SS105 Human Growth & Development 3

Electives 7

Credits Required 62

Degree Information: The Associate of Science in the Secondary Education -Agriculture emphasis is designed to enable students to transfer into a variety of education programs at K-State, KU, or WSU and other programs across the Midwest. The following list represents a suggested guide toward a program of study and is intended to meet typical requirements of a transfer institution.

Recommended Course Sequence:

First Semester: AG130

Second Semester: AG115

Third Semester: AG104, ED100, ED101

Fourth Semester: AG210

Requirements: Students must maintain at least a 2.75 GPA for acceptance into teacher education.

After Cloud: Students will generally take the PPST examination and transfer to a four-year university college of education department where course work and student teaching will lead to certification for public school teaching. The elective area courses are designed for students who intend to transfer to four-year colleges and universities to complete educational requirements necessary for a career in Secondary Education with an emphasis in agriculture.

Gainful Employment: This program results in an Associate of Science degree which prepares students for further study at a four-year institution. Students who obtain a bachelor's degree in this field could apply these skills to careers in education at public or private high schools or related fields. Entry-level employment with a bachelor's degree in education can vary widely depending on the field and location. The starting salary for teachers in Kansas was \$33,386, with a median salary for teachers in Kansas of over \$46,000 in 2013, according to the National Education Association. The median salary figure may reflect positions that require graduate degrees as well.

Obtaining an Associate of Science degree with an emphasis in teaching should allow a student to transfer into a four-year program. This degree is not specifically a "School to Work" or "Career Ready" program. Associate degrees would make students more competitive for most entry level positions.

Transfer Institution Guide: A student who is interested in pursuing a baccalaureate degree should consult a CCCC advisor and the transfer guide and catalog of the four-year institution.

*All electives should be selected with assistance from an advisor. These options are general areas that will transfer to focused majors. Substitutions must be approved by the department chair.

Programs of Study

EDUCATION

SECONDARY EDUCATION - AGRICULTURE EMPHASIS

Associate of Science

Suggested Semester Guideline

Semester 1

CM 101	English Composition I	3 credit hours
MA 111	College Algebra (or higher)	3 credit hours
SS 101	General Psychology	3 credit hour
AG 130	Principles of Ag Economics	3 credit hour
	Humanities General Education	<u>3 credit hours</u>
	Total:	15 credit hours

Semester 2

CM 102	English Composition II	3 credit hours
AG 115	Animal Science	3 credit hours
SS 105	Human Growth & Development	3 credit hours
MA 114	Elementary Statistics	3 credit hours
	Science with Lab General Education	<u>4 credit hours</u>
	Total:	16 credit hours

Semester 3

ED 100	Introduction to Education	3 credit hours
ED 101	Introduction to Education Practicum	1 credit hours
	Science with Lab General Education	4 credit hours
CM 121	Introduction to Literature	3 credit hours
CM 115	Public Speaking	3 credit hours
	Electives	<u>3 credit hours</u>
	Total:	17 credit hours

Semester 4

AG 101	Plant Science	4 credit hours
GE 101	World Geography	3 credit hours
SS 130	Introduction to Sociology	3 credit hours
	Elective	<u>4 credit hours</u>
	Total:	14 credit hours
		62 credit hours

Programs of Study

EDUCATION

SECONDARY EDUCATION - ART EMPHASIS

Associate of Arts

Cloud County Community College has agreements with various Regents Universities across Kansas where students can take courses at CCCC for two years, then transfer into the university system the third year as juniors. Students who plan to major in secondary education with an art emphasis may begin this bachelor's degree program at Cloud County Community College.

Contact: Spencer Farha
(785) 243-1435, ext 269
safarha@cloud.edu

Minimum General Education Required Courses 31 cr

Communication Requirement 9

- CM101 English Composition I (3 cr)
- CM102 English Composition II (3 cr)
- CM115 Public Speaking (3 cr) or
CM240 Interpersonal Communications (3 cr)

Humanities Requirement (3 areas required) 9

- Art Humanities
- Music Literature
- Theatre Philosophy
- Foreign Language History

Mathematics Requirement 3

- Mathematics General Education Course

Natural Science Requirement (1 area required) 4-5

- Physical Science (4-5 cr)
- Biological Science (4-5 cr)

Social/Behavioral Science Requirement (2 areas required) 6

- Economics Anthropology
- Psychology Political Science
- Sociology Geography

Elective Courses * 31 cr

- AR100 Art Appreciation 3
- AR110 Ceramics I 3
- AR120 Design I 3
- AR130 Drawing I 3
- AR131 Drawing II 3
- AR140 Painting I 3
- ED100 Introduction to Education 3
- ED101 Introduction to Education Practicum 1
- MA114 Elementary Statistics 3
- SS101 General Psychology 3
- SS105 Human Growth & Development 3

Credits Required 62

*All electives should be selected with assistance from an advisor. These options are general areas that will transfer to focused majors. Substitutions must be approved by the department chair.

Degree Information: The Associate of Arts in Secondary Education - Art Emphasis is designed to enable students to transfer into a variety of education programs at K-State, KU, or WSU and other programs across the Midwest. The following list represents a suggested guide toward a program of study and is intended to meet typical requirements of a transfer institution.

Recommended Course Sequence:

- First Semester: AR100, AR120
- Second Semester: AR130
- Third Semester: AR110, AR131
- Fourth Semester: ED100, ED101, AR140

Requirements: Students must maintain at least a 2.75 GPA for acceptance into teacher education.

After Cloud: Students will generally take the PPST examination and transfer to a four-year university college of education department where course work and student teaching will lead to certification for public school teaching. The elective area courses are designed for students who intend to transfer to four-year colleges and universities to complete educational requirements necessary for a career in Secondary Education with an emphasis in art.

Gainful Employment: This program results in an Associate of Arts degree which prepares students for further study at a four-year institution. Students who obtain a bachelor's degree in this field could apply these skills to careers in education at public or private high schools or related fields. Entry-level employment with a bachelor's degree in education can vary widely depending on the field and location. The starting salary for teachers in Kansas was \$33,386, with a median salary for teachers in Kansas of over \$46,000 in 2013, according to the National Education Association. The median salary figure may reflect positions that require graduate degrees as well.

Obtaining an Associate of Arts degree with an emphasis in teaching should allow a student to transfer into a four-year program. This degree is not specifically a "School to Work" or "Career Ready" program. Associate degrees would make students more competitive for most entry level positions.

Transfer Institution Guide: A student who is interested in pursuing a baccalaureate degree should consult a CCCC advisor and the transfer guide and catalog of the four-year institution.

Programs of Study

EDUCATION

SECONDARY EDUCATION - ART EMPHASIS

Associate of Science

Suggested Semester Guideline

Semester 1

CM 101	English Composition I	3 credit hours
CM 115	Public Speaking	3 credit hours
SS	Social Science General Education	3 credit hours
AR 100	Art Appreciation	3 credit hours
AR 120	Design I	<u>3 credit hours</u>
	Total:	15 credit hours

Semester 2

CM 102	English Composition II	3 credit hours
MA 111	College Algebra (or higher)	3 credit hours
	Science with Lab General Education	4 credit hours
SS 101	General Psychology	3 credit hours
AR 130	Drawing I	<u>3 credit hours</u>
	Total:	16 credit hours

Semester 3

SS 105	Human Growth and Development	3 credit hours
MA 114	Elementary Statistics	3 credit hours
	Humanities General Education	3 credit hours
	Humanities General Education	3 credit hours
AR 110	Ceramics I	3 credit hours
AR 131	Drawing II	<u>3 credit hours</u>
	Total:	18 credit hours

Semester 4

ED 100	Introduction to Education	3 credit hours
ED 101	Introduction to Education Practicum	1 credit hours
	Elective	3 credit hours
	Elective	3 credit hours
AR 140	Painting I	<u>3 credit hours</u>
	Total:	13 credit hours
		62 credit hours

Programs of Study

EDUCATION

SECONDARY EDUCATION - BIOLOGY EMPHASIS

Associate of Science

Cloud County Community College has agreements with a number of Regents Universities across Kansas. These agreements allow for students to take courses at CCCC for two years, then transfer into the university system the third year classified as juniors. Students who plan to major with a biology education emphasis are a part of these agreements. There is a high demand for STEM teachers, nationally.

Contact: Spencer Farha
(785) 243-1435, ext 269
sfarha@cloud.edu

Minimum General Education Required Courses 32 cr

<i>Communication Requirement</i>	9
CM101 English Composition I (3 cr)	
CM102 English Composition II (3 cr)	
CM115 Public Speaking (3 cr) or CM240 Interpersonal Communications (3 cr)	
<i>Humanities Requirement (2 areas required)</i>	6
Art Humanities	
Music Literature (CM121 Intro to Lit suggested)	
Theatre Philosophy	
Foreign Language History	
<i>Mathematics Requirement</i>	3
Mathematics General Education Course	
<i>Natural Science Requirement (2 of 2 areas required)</i>	8-10
Physical Science (4-5 cr) (SC131 Chemistry I - suggested)	
Biological Science (4-5 cr) (SC110 Principles of Biology - suggested)	
<i>Social/Behavioral Science Requirement (2 areas required)</i>	6
Economics Anthropology	
Geography Political Science	
Sociology (SS130 Intro to Sociology - suggested)	
Psychology (SS101 General Psychology - suggested)	

Elective Courses* 30 cr

ED100 Introduction to Education	3
ED101 Introduction to Education Practicum	1
MA112 Trigonometry	3
SC111 Microbiology Lecture	3
SC112 Microbiology Lab	2
SC120 Human Anatomy & Physiology I	4
SC121 Human Anatomy & Physiology II	4
SC132 Chemistry II	5
SC140 College Physics I	5

Credits Required 62

*All electives should be selected with assistance from an advisor. These options are general areas that will transfer to focused majors. Substitutions must be approved by the department chair.

Degree Information: The Associate of Science in Secondary Education - Biology Emphasis is designed to enable students to transfer into a variety of education programs at K-State, KU, or WSU and other programs across the Midwest. The following list represents a suggested guide toward a program of study and is intended to meet typical requirements of a transfer institution.

Recommended Course Sequence:

First Semester: SC131, MA111, CM101
Second Semester: SC132, SC110, MA112, CM102
Third Semester: ED100, ED101, SC140, SC120
Fourth Semester: SC121, SC111, CM115

Requirements: Students must maintain at least a 2.75 GPA for acceptance into teacher education.

After Cloud: Students will generally take the PPST examination and transfer to a four-year university college of education department where course work and student teaching will lead to certification for public school teaching. The elective area courses are designed for students who intend to transfer to four-year colleges and universities to complete educational requirements necessary for a career in Secondary Education with an emphasis in biology.

Gainful Employment: Obtaining an Associate of Science degree with an emphasis in biology education should allow a student to transfer into a four-year baccalaureate program. This degree is not specifically a "School to Work" or "Career Ready" program. Associate degrees would make students more competitive for most entry level positions.

Transfer Institution Guide: A student who is interested in pursuing a baccalaureate degree should consult a CCCC advisor and the transfer guide and catalog of the four-year institution.



Programs of Study

EDUCATION

SECONDARY EDUCATION - BIOLOGY EMPHASIS

Associate of Science

Suggested Semester Guideline

Semester 1

CM 101	English Composition I	3 credit hours
MA111	College Algebra	3 credit hours
SS 101	General Psychology	3 credit hours
	Humanities General Education	3 credit hours
SC 131	Chemistry I	<u>5 credit hours</u>
	Total:	17 credit hours

Semester 2

CM 102	English Composition II	3 credit hours
MA 112	Trigonometry	3 credit hours
SC 110	Principles of Biology I	5 credit hours
SC 132	Chemistry II	<u>5 credit hours</u>
	Total:	16 credit hours

Semester 3

ED 100	Introduction to Education	3 credit hours
ED 101	Introduction to Education Practicum	1 credit hours
CM 121	Introduction to Literature	3 credit hours
SC 120	Human Anatomy & Physiology I	4 credit hours
SC 140	College Physics I	<u>5 credit hours</u>
	Total:	16 credit hours

Semester 4

CM 115	Public Speaking	3 credit hours
SC 111	Microbiology	3 credit hours
SC 112	Microbiology Lab	2 credit hours
SC 121	Human Anatomy & Physiology II	4 credit hours
SS 130	Introduction to Sociology	<u>3 credit hours</u>
	Total:	15 credit hours
		64 credit hours

Programs of Study

EDUCATION

SECONDARY EDUCATION - CHEMISTRY EMPHASIS

Associate of Science

Cloud County Community College has agreements with a number of Regents Universities across Kansas. These agreements allow for students to take courses at CCCC for two years, then transfer into the university system the third year classified as juniors. Students who plan to major with a chemistry education emphasis are a part of these agreements. Today there is a high demand for STEM teachers, nationally.

Contact: Spencer Farha
(785) 243-1435, ext 269
safarha@cloud.edu

Minimum General Education Required Courses 32 cr

<i>Communication Requirement</i>	9
CM101 English Composition I (3 cr)	
CM102 English Composition II (3 cr)	
CM115 Public Speaking (3 cr) or CM240 Interpersonal Communications (3 cr)	
<i>Humanities Requirement (2 areas required)</i>	6
Art Humanities	
Music Literature (CM121 Intro to Lit suggested)	
Theatre Philosophy	
Foreign Language History	
<i>Mathematics Requirement</i>	3
Mathematics General Education Course	
<i>Natural Science Requirement (2 areas required)</i>	8-10
Physical Science (4-5 cr) (SC131 Chemistry I - suggested)	
Biological Science (4-5 cr) (SC110 Principles of Biology I - suggested)	
<i>Social/Behavioral Science Requirement (2 areas required)</i>	6
Economics Anthropology	
Geography Political Science	
Sociology (SS130 Intro to Sociology - suggested)	
Psychology (SS101 General Psychology - suggested)	

Elective Courses* 30 cr

ED100 Introduction to Education	3
ED101 Introduction to Education Practicum	1
MA112 Trigonometry	3
MA120 Analytic Geometry and Calculus I	5
SC132 Chemistry II	5
SC134 Organic Chemistry I	5
SC135 Organic Chemistry II	5
SC140 College Physics I	5

Credits Required 62

*All electives should be selected with assistance from an advisor. These options are general areas that will transfer to focused majors. Substitutions must be approved by the department chair.

Degree Information: The Associate of Science in Secondary Education - Chemistry emphasis is designed to enable students to transfer into a variety of education programs at K-State, KU, or WSU and other programs across the Midwest. The following list represents a suggested guide toward a program of study and is intended to meet typical requirements of a transfer institution.

Recommended Course Sequence:

First Semester: SC131, MA111
Second Semester: SC132, MA112
Third Semester: SC134, SC140
Fourth Semester: ED100, ED101, SC135

Requirements: Students must maintain at least a 2.75 GPA for acceptance into teacher education.

After Cloud: Students will generally take the PPST examination and transfer to a four-year university college of education department where course work and student teaching will lead to certification for public school teaching. The elective area courses are designed for students who intend to transfer to four-year colleges and universities to complete educational requirements necessary for a career in secondary education with an emphasis in chemistry.

Gainful Employment: Obtaining an Associate of Science degree with an emphasis in chemistry education should allow a student to transfer into a four-year baccalaureate program. Entry-level salary for employment as a high school science teacher is in the \$30,000 to \$40,000 range. This degree is not specifically a "School to Work" or "Career Ready" program. Associate degrees would make students more competitive for most entry level positions.

Transfer Institution Guide: A student who is interested in pursuing a baccalaureate degree should consult a CCCC advisor and the transfer guide and catalog of the four-year institution.



Programs of Study

EDUCATION

SECONDARY EDUCATION - CHEMISTRY EMPHASIS

Associate of Science

Suggested Semester Guideline

Semester 1

CM 101	English Composition I	3 credit hours
MA 111	College Algebra (or higher)	3 credit hours
SS 101	General Psychology	3 credit hours
SC 131	Chemistry I	5 credit hours
	Humanities General Education	<u>3 credit hours</u>
	Total:	17 credit hours

Semester 2

CM 102	English Composition II	3 credit hours
MA 112	Trigonometry	3 credit hours
SC 132	Chemistry II	5 credit hours
SC 110	Principles of Biology	<u>5 credit hours</u>
	Total:	16 credit hours

Semester 3

MA 120	Analytic Geometry and Calculus I	5 credit hours
SC 134	Organic Chemistry I	5 credit hours
SC 140	College Physics I	5 credit hours
	Social Science General Education	<u>3 credit hours</u>
	Total:	18 credit hours

Semester 4

CM 115	Public Speaking	3 credit hours
CM121	Introduction to Literature	3 credit hours
ED100	Introduction to Education	3 credit hours
ED101	Introduction to Education Practicum	1 credit hours
SC 135	Organic Chemistry II	<u>5 credit hours</u>
	Total:	15 credit hours
		66 credit hours

Programs of Study

EDUCATION

SECONDARY EDUCATION - HISTORY EMPHASIS

Associate of Arts / Associate of Science

Cloud County Community College has agreements with various Regents Universities across Kansas where students can take courses at CCCC for two years, then transfer into the university system the third year as juniors. Students who plan to major in history education may begin this bachelor's degree program at Cloud County Community College.

Contact: Spencer Farha
(785) 243-1435, ext 269
safarha@cloud.edu

Minimum General Education Required Courses 31-32 cr

Communication Requirement 9

- CM101 English Composition I (3 cr)
- CM102 English Composition II (3 cr)
- CM115 Public Speaking (3 cr) or
- CM240 Interpersonal Communications (3 cr)

Humanities Requirement (AA- 3 areas required) 9 (AS - 2 areas required) 6

- Art Humanities
- Music Literature
- Theatre Philosophy
- Foreign Language History

Mathematics Requirement 3

Mathematics General Education Course

Natural Science Requirement (AA- 1 of 2 areas required) 4-5 (AS- 2 of 2 areas required) 8-10

- Biological Science
- Physical Science

Social/Behavioral Science Requirement 6 (AA/AS - 2 areas required)

- Economics Anthropology
- Geography Political Science
- Sociology (SS130 Intro to Sociology - suggested)
- Psychology (SS101 General Psychology - suggested)

Elective Courses* 30-31 cr

- ED100 Intro to Education 3
- ED101 Intro to Education Practicum 1
- SS120 Western Civilization I 3
- SS121 Western Civilization II 3
- SS122 U.S. History I 3
- SS123 U.S. History II 3
- SS124 Introduction to History 3
- SS140 U.S. Government: National 3
- SS141 U.S. Government: State/Local 3
- SS142 Current Political Issues 3
- Electives 3

Credits Required 62

*All electives should be selected with assistance from an advisor. These options are general areas that will transfer to focused majors. Substitutions must be approved by the department chair.

Degree Information: The Associate of Arts or Associate of Science in Secondary Education - History Emphasis is designed to enable students to transfer into a variety of education programs at K-State, KU, or WSU and other programs across the Midwest. The following list represents a suggested guide toward a program of study and is intended to meet typical requirements of a transfer institution.

Recommended Course Sequence:

First Semester: SS122, CM101, MA111
Second Semester: SS123, CM102, SS101
Third Semester: SS120, SS142, SS130, ED100, ED101
Fourth Semester: SS121, SS105, CM115

Requirements: Students must maintain at least a 2.75 GPA for acceptance into teacher education.

After Cloud: Students will generally take the PPST examination and transfer to a four-year university college of education department where course work and student teaching will lead to certification for public school teaching. The elective area courses are designed for students who intend to transfer to four-year colleges and universities to complete educational requirements necessary for a career in secondary education with an emphasis in history.

Gainful Employment: Obtaining an Associate of Arts or an Associate of Science degree with an emphasis in History Education should allow a student to transfer into a four-year baccalaureate program. This degree is not specifically a "School to Work" or "Career Ready" program. Associate degrees would make students more competitive for most entry level positions.

Transfer Institution Guide: A student who is interested in pursuing a baccalaureate degree should consult a CCCC advisor and the transfer guide and catalog of the four-year institution.



Programs of Study

EDUCATION

SECONDARY EDUCATION - HISTORY EMPHASIS

Associate of Arts / Associate of Science

Suggested Semester Guideline

Semester 1

SS 122	U.S. History I	3 credit hours
CM 101	English Composition I	3 credit hours
MA 111	College Algebra (or higher)	3 credit hours
SS 140	U.S. Government: National	3 credit hours
	Humanities General Education (AA) or Science with Lab General Education (AS)	<u>3-4 credit hours</u>
	Total:	15-16 credit hours

Semester 2

CM 102	English Composition II	3 credit hours
SS 123	U.S. History II	3 credit hours
SS 101	General Psychology	3 credit hours
SS 141	U.S. Government: State and Local	3 credit hours
SS 124	Introduction to History	<u>3 credit hours</u>
	Total:	15 credit hours

Semester 3

SC	Science with Lab General Education	4 credit hours
SS 120	Western Civilization I	3 credit hours
SS 142	Current Political Issues	3 credit hours
SS 130	Introduction to Sociology	3 credit hours
ED 100	Introduction to Education	3 credit hours
ED 101	Introduction to Education Practicum	<u>1 credit hours</u>
	Total:	17 credit hours

Semester 4

SS 121	Western Civilization II	3 credit hours
SS 105	Human Growth and Development	3 credit hours
CM 115	Public Speaking	3 credit hours
	Humanities General Education	3 credit hours
	Elective	<u>3 credit hours</u>
	Total:	15 credit hours
		62-63 credit hours

Programs of Study

EDUCATION

SECONDARY EDUCATION - MATHEMATICS EMPHASIS

Associate of Science

Cloud County Community College has agreements with a number of Regents Universities across Kansas. These agreements allow for students to take courses at CCCC for two years, then transfer into the university system the third year classified as juniors. Students who plan to major in a Mathematics Education emphasis are a part of these agreements. Today there is a high demand for STEM teachers, nationally.

Minimum General Education Required Courses 32 cr

<i>Communication Requirement</i>	9
CM101 English Composition I (3 cr)	
CM102 English Composition II (3 cr)	
CM115 Public Speaking (3 cr) or CM240 Interpersonal Communications (3 cr)	
<i>Humanities Requirement (2 areas required)</i>	6
Art Humanities	
Music Literature	
Theatre Philosophy	
Foreign Language History	
<i>Mathematics Requirement</i>	3
Mathematics General Education Course	
<i>Natural Science Requirement (2 areas required)</i>	8-10
Physical Science (4-5 cr) (SC140 College Physics suggested)	
Biological Science (4-5 cr)	
<i>Social/Behavioral Science Requirement (2 areas required)</i>	6
Economics Anthropology	
Geography Political Science	
Sociology (SS130 Intro to Sociology - suggested)	
Psychology (SS101 General Psychology - suggested)	

Elective Courses* 30 cr

ED100 Introduction to Education	3
ED101 Introduction to Education Practicum	1
MA114 Elementary Statistics	3
MA112 Trigonometry	3
MA120 Analytic Geometry & Calculus I	5
MA121 Analytic Geometry & Calculus II	5
SS1105 Human Growth & Development	3
Electives	7

Credits Required 62

*All electives should be selected with assistance from an advisor. These options are general areas that will transfer to focused majors. Substitutions must be approved by the department chair.

Contact: Spencer Farha
(785) 243-1435, ext 269
safarha@cloud.edu

Degree Information: The Associate of Science in Secondary Education - Mathematics emphasis is designed to enable students to transfer into a variety of education programs at K-State, KU, or WSU and other programs across the Midwest. The following list represents a suggested guide toward a program of study and is intended to meet typical requirements of a transfer institution

Recommended Course Sequence:

First Semester: MA111
Second Semester: MA112, MA114
Third Semester: MA120
Fourth Semester: ED100, ED101, MA121

Requirements: Students must maintain at least a 2.75 GPA for acceptance into teacher education.

After Cloud: Students will generally take the PPST examination and transfer to a four-year university college of education department where course work and student teaching will lead to certification for public school teaching. The elective area courses are designed for students who intend to transfer to four-year colleges and universities to complete educational requirements necessary for a career in secondary education with an emphasis in mathematics.

Gainful Employment: Obtaining an Associate of Science degree with an emphasis in Mathematics Education should allow a student to transfer into a four-year baccalaureate program. This degree is not specifically a "School to Work" or "Career Ready" program. Associate degrees would make students more competitive for most entry-level positions.

Transfer Institution Guide: A student who is interested in pursuing a baccalaureate degree should consult a CCCC advisor and the transfer guide and catalog of the four-year institution.



Programs of Study

EDUCATION

SECONDARY EDUCATION - MATHEMATICS EMPHASIS

Associate of Science

Suggested Semester Guideline

Semester 1

MA 111	College Algebra	3 credit hours
CM 101	English Composition I	3 credit hours
SC 101	General Biology	4 credit hours
SS 101	General Psychology	3 credit hours
	Elective	<u>3 credit hours</u>
	Total:	16 credit hours

Semester 2

MA 112	Trigonometry	3 credit hours
CM 102	English Composition II	3 credit hours
SS 105	Human Growth & Development	3 credit hours
MA 114	Elementary Statistics	3 credit hours
	Humanities General Education	<u>3 credit hours</u>
	Total:	15 credit hours

Semester 3

CM 115	Public Speaking	3 credit hours
MA 120	Analytic Geometry & Calculus I	5 credit hours
SC 140	College Physics 1	5 credit hours
	Humanities General Education	<u>3 credit hours</u>
	Total:	16 credit hours

Semester 4

MA 121	Analytic Geometry & Calculus II	5 credit hours
ED 100	Introduction to Education	3 credit hours
ED 101	Introduction to Education Practicum	1 credit hour
SS 130	Introduction to Sociology	3 credit hours
	Elective	<u>3 credit hours</u>
	Total:	15 credit hours
		62 credit hours

Programs of Study

EDUCATION

SECONDARY EDUCATION - SOCIAL SCIENCE EMPHASIS

Associate of Arts / Associate of Science

Cloud County Community College has agreements with various Regents Universities across Kansas where students can take courses at CCCC for two years, then transfer into the university system the third year as juniors. Students who plan to major in secondary education with an social science emphasis may begin this bachelor's degree program at Cloud County Community College.

Contact: Spencer Farha
(785) 243-1435, ext 269
safarha@cloud.edu

Degree Information: The Associate of Arts or Associate of Science in the Secondary Education - Social Science emphasis is designed to enable students to transfer into a variety of education programs at K-State, KU, or WSU and other programs across the Midwest. The following list represents a suggested guide toward a program of study and is intended to meet typical requirements of a transfer institution.

Recommended Course Sequence:

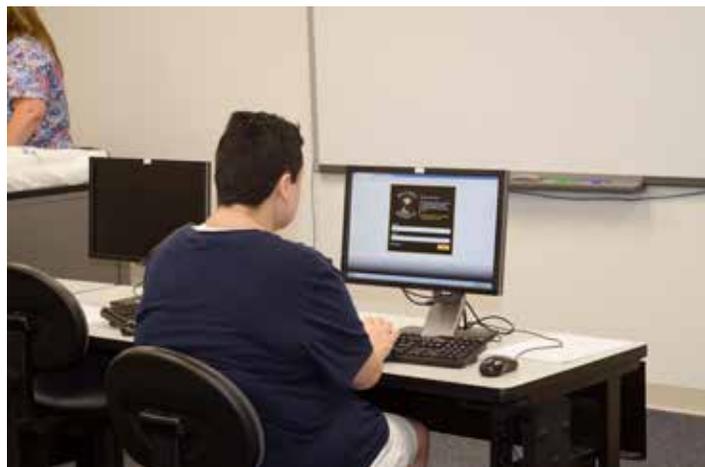
First Semester: SS122, SS140
Second Semester: SS123, SS101, SS142, SS125
Third Semester: SS120, EC101, ED100, ED101, SS130
Fourth Semester: SS121, SS105, EC102

Requirements: Students must maintain at least a 2.75 GPA for acceptance into teacher education.

After Cloud: Students will generally take the PPST examination and transfer to a four-year university college of education department where course work and student teaching will lead to certification for public school teaching. The elective area courses are designed for students who intend to transfer to four-year colleges and universities to complete educational requirements necessary for a career in secondary education with an emphasis in social science.

Gainful Employment: Obtaining an Associate of Arts or an Associate of Science degree with an emphasis in Social Science Education should allow a student to transfer into a four-year baccalaureate program. This degree is not specifically a "School to Work" or "Career Ready" program. Associate degrees would make students more competitive for most entry-level positions.

Transfer Institution Guide: A student who is interested in pursuing a baccalaureate degree should consult a CCCC advisor and the transfer guide and catalog of the four-year institution.



Minimum General Education Required Courses 31-32 cr

Communication Requirement 9

CM101 English Composition I (3 cr)

CM102 English Composition II (3 cr)

CM115 Public Speaking (3 cr) or

CM240 Interpersonal Communications (3 cr)

Humanities Requirement (AA- 3 areas required) 9

(AS - 2 areas required) 6

Art Humanities

Music ** Literature

Theatre Philosophy

Foreign Language History

** (MU100 Music Appreciation - suggested)

Mathematics Requirement 3

Mathematics General Education Course

Natural Science Requirement (AA- 1 area required) 4-5

(AS- 2 areas required) 8-10

Biological Science

Physical Science

Social/Behavioral Science Requirement 6

(AA/AS - 2 areas required)

Economics Anthropology

Geography Political Science

Sociology (SS130 Intro to Sociology - suggested)

Psychology (SS101 General Psychology - suggested)

Elective Courses * 30-31 cr

EC101 Economics I 3

EC102 Economics II 3

ED100 Introduction to Education 3

ED101 Introduction to Education Practicum 1

SS105 Human Growth & Development 3

SS120 Western Civilization I 3

SS121 Western Civilization II 3

SS122 U.S. History I 3

SS123 U.S. History II 3

SS125 Introduction to Cultural Anthropology 3

SS140 U.S. Government: National 3

SS142 U.S. Government: State & Local 3

Credits Required 62

*All electives should be selected with assistance from an advisor. These options are general areas that will transfer to focused majors. Substitutions must be approved by the department chair.

Programs of Study

EDUCATION

SECONDARY EDUCATION - SOCIAL SCIENCE EMPHASIS

Associate of Arts / Associate of Science

Suggested Semester Guideline

Semester 1

SS 122	U.S. History I	3 credit hours
CM 101	English Composition I	3 credit hours
MA 111	College Algebra (or higher)	3 credit hours
SS 140	U.S. Government: National	3 credit hours
MU 100	Music Appreciation	<u>3 credit hours</u>
	Total:	15 credit hours

Semester 2

CM 102	English Composition II	3 credit hours
SS 123	U.S. History II	3 credit hours
SS 101	General Psychology	3 credit hours
SS142	U.S. Government: State and Local	3 credit hours
SS125	Introduction to Cultural Anthropology	<u>3 credit hours</u>
	Total:	15 credit hours

Semester 3

	Science with Lab General Education	4 credit hours
SS 120	Western Civilization I	3 credit hours
EC 101	Economics I	3 credit hours
ED 100	Introduction to Education	3 credit hours
ED 101	Introduction to Education Practicum	1 credit hours
SS 130	Introduction to Sociology	<u>3 credit hours</u>
	Total:	17 credit hours

Semester 4

	Humanities General Education (AA) or Science with Lab General Education (AS)	3-4 credit hours	
CM 115	Public Speaking	3 credit hours	
EC 102	Economics II	3 credit hours	
SS 105	Human Growth and Development	3 credit hours	
SS 121	Western Civilization I	<u>3 credit hours</u>	
	Total:	15-16 credit hours	62-63 credit hours

Programs of Study

EDUCATION

SECONDARY EDUCATION - SPEECH AND DRAMA EMPHASIS

Associate of Arts

Cloud County Community College has agreements with various Regents Universities across Kansas where students can take courses at CCCC for two years, then transfer into the university system the third year as juniors. Students who plan to major in secondary education with an speech and drama emphasis may begin this bachelor's degree program at Cloud County Community College.

Contact: Spencer Farha
(785) 243-1435, ext 269
safarha@cloud.edu

Degree Information: The Associate of Arts in the Secondary Education - Speech and Drama emphasis is designed to enable students to transfer into a variety of education programs at K-State, KU, or WSU and other programs across the Midwest. The following list represents a suggested guide toward a program of study and is intended to meet typical requirements of a transfer institution.

Recommended Course Sequence:

First Semester: SS101
Second Semester: MA114, CM141
Third Semester: ED100, ED101, SS105
Fourth Semester: CM143

Requirements: Students must maintain at least a 2.75 GPA for acceptance into teacher education.

After Cloud: Students will generally take the PPST examination and transfer to a four-year university college of education department where course work and student teaching will lead to certification for public school teaching. The elective area courses are designed for students who intend to transfer to four-year colleges and universities to complete educational requirements necessary for a career in Secondary Education with an emphasis in Speech and Drama.

Gainful Employment: Obtaining an Associate of Arts degree with an emphasis in Speech and Drama Education should allow a student to transfer into a four-year baccalaureate program. This degree is not specifically a "School to Work" or "Career Ready" program. Associate degrees would make students more competitive for most entry level positions.

Transfer Institution Guide: A student who is interested in pursuing a baccalaureate degree should consult a CCCC advisor and the transfer guide and catalog of the four-year institution.

Minimum General Education Required Courses 31 cr

<i>Communication Requirement</i>	9
CM101 English Composition I (3 cr)	
CM102 English Composition II (3 cr)	
CM115 Public Speaking (3 cr) or CM240 Interpersonal Communications (3 cr)	
<i>Humanities Requirement (3 areas required)</i>	9
Art Humanities	
Music Literature	
Theatre Philosophy	
Foreign Language History	
<i>Mathematics Requirement</i>	3
Mathematics General Education Course	
<i>Natural Science Requirement (1 area required)</i>	4-5
Physical Science (4-5 cr)	
Biological Science (4-5 cr)	
<i>Social/Behavioral Science Requirement (2 areas required)</i>	6
Economics Anthropology	
Geography Political Science	
Sociology (SS130 Intro to Sociology - suggested)	
Psychology (SS101 General Psychology - suggested)	

Elective Courses* 31 cr

CM141 Introduction to Performance	3
CM143 Play Production	3
ED100 Introduction to Education	3
ED101 Introduction to Education Practicum	1
GE101 World Geography	3
MA114 Elementary Statistics	3
SS105 Human Growth & Development	3
Electives	12

Credits Required 62

*All electives should be selected with assistance from an advisor. These options are general areas that will transfer to focused majors. Substitutions must be approved by the department chair.



Programs of Study

EDUCATION

SECONDARY EDUCATION - SPEECH AND DRAMA EMPHASIS

Associate of Arts

Suggested Semester Guideline

Semester 1

CM 101	English Composition I	3 credit hours
MA 111	College Algebra (or higher)	3 credit hours
SS 101	General Psychology	3 credit hours
	Humanities General Education	3 credit hours
	Elective	<u>3 credit hours</u>
	Total:	15 credit hours

Semester 2

CM 102	English Composition II	3 credit hours
CM 141	Introduction to Performance	3 credit hours
	Science with Lab General Education	4 credit hours
MA 114	Elementary Statistics	3 credit hours
SS 130	Introduction to Sociology	<u>3 credit hours</u>
	Total:	16 credit hours

Semester 3

ED 100	Introduction to Education	3 credit hours
ED 101	Introduction to Education Practicum	1 credit hours
SS 105	Human Growth and Development	3 credit hours
	Humanities General Education	3 credit hours
	Humanities General Education	3 credit hours
	Elective	<u>3 credit hours</u>
	Total:	16 credit hours

Semester 4

CM 115	Public Speaking	3 credit hours
CM 143	Play Production	3 credit hours
GE 101	World Geography	3 credit hours
	Elective	3 credit hours
	Elective	<u>3 credit hours</u>
	Total:	15 credit hours
		62 credit hours

Programs of Study

FINE ARTS

ART EMPHASIS

Associate of Arts

This program is designed to prepare students for a major in art or art education. The courses will prepare students for upper-division bachelor-level study at a four-year institution.

Contact: Brian White
(785) 243-1435, ext 326
bwhite@cloud.edu

Minimum General Education Required Courses 31 cr

<i>Communication Requirement</i>	9
CM101 English Composition I (3 cr)	
CM102 English Composition II (3 cr)	
CM115 Public Speaking (3 cr) or CM240 Interpersonal Communications (3 cr)	
<i>Humanities Requirement (3 areas required)</i>	9
Art Humanities	
Music Literature	
Theatre Philosophy	
Foreign Language History	
<i>Mathematics Requirement</i>	3
Mathematics General Education Course	
<i>Natural Science Requirement (1 area required)</i>	4-5
Physical Science (4-5 cr)	
Biological Science (4-5 cr)	
<i>Social/Behavioral Science Requirement (2 areas required)</i>	6
Economics Anthropology	
Psychology Political Science	
Sociology Geography	

Elective Courses* 31 cr

AR100 Art Appreciation	3
AR110 Ceramics I	3
AR111 Ceramics II	3
AR112 Ceramics III	3
AR120 Design I	3
AR121 Graphic Design I	3
AR122 Graphic Design II	3
AR126 Two-Dimensional Illustration	3
AR129 Introduction to Digital Photography	3
AR130 Drawing I	3
AR131 Drawing II	3
AR140 Painting I	3
AR141 Painting II	3
AR145 Watercolor	3
AR171 Three-Dimensional Design	3
CS107 Graphic Software Applications	3

Credits Required 62

*All electives should be selected with assistance from an advisor. These options are general areas that will transfer to focused majors. Substitutions must be approved by the department chair.

Degree Information: The Associates of Arts Degree with an Art emphasis is designed to enable students to transfer into a variety of major programs at K-State, Ft Hays and other art programs across the Midwest.

Recommended Course Sequence:

First Semester: AR100, AR120
Second Semester: CS107, AR130
Third Semester: AR110, AR140, AR171
Fourth Semester: AR111, AR141, AR145

Students can select an area of emphasis: These general areas align with programs at universities and allow students to narrow their focus after they transfer. Faculty advisors will direct students toward basic courses needed for the major program at the university of transfer.

Requirements: Depending on ACT scores and/or placement exams, students may be required to take developmental courses which may add to the length of study.

After Cloud: Students could gain immediate, entry-level employment in the art field, or if already employed, obtain career advancement opportunities. Students can transfer to a university or college to pursue a bachelor's degree.

Gainful Employment: An Associate of Arts degree in art will provide students the ability to transfer to four-year institutions. Upon completion of a 4-year degree students will be able to pursue the following careers in art: Art Director, beginning salary \$37,420, experienced salary \$72,340; Craft Artist, entry level \$25,470, experienced \$32,210; Fine Artist, including Painter, Sculptor, Illustrator, entry level \$24,780, experienced \$57,320; School Art Teacher \$25,000-\$35,000 annually in Kansas (source: 2015 Kansas Labor Report, Kansas Department of Labor). Associate degrees would make students more competitive for most entry level positions.

Transfer Institution Guide: A student who is interested in pursuing a baccalaureate degree should consult a CCCC advisor and the transfer guide and catalog of the four-year institution.



Programs of Study

FINE ARTS

ART EMPHASIS

Associate of Arts

Suggested Semester Guideline

Semester 1

CM 101	English Composition I	3 credit hours
CM 115	Public Speaking	3 credit hours
	Humanities General Education	3 credit hours
AR 100	Art Appreciation	3 credit hours
AR 120	Design I	<u>3 credit hours</u>
	Total:	15 credit hours

Semester 2

CM 102	English Composition II	3 credit hours
MA 111	College Algebra (or higher)	3 credit hours
	Social Science General Education	3 credit hours
CS 107	Graphic Software Applications (or higher)	3 credit hours
AR 130	Drawing I	<u>3 credit hours</u>
	Total:	15 credit hours

Semester 3

	Humanities General Education	3 credit hours
	Science with Lab General Education	4 credit hours
AR 110	Ceramics I	3 credit hours
AR 140	Painting I	3 credit hours
AR 171	3-Dimensional Design	<u>3 credit hours</u>
	Total:	16 credit hours

Semester 4

	General Education Elective	3 credit hours
	Social Science General Education	3 credit hours
	Humanities General Education	3 credit hours
AR 111	Ceramics II	3 credit hours
AR 141	Painting II	3 credit hours
AR 145	Watercolor	<u>3 credit hours</u>
	Total:	18 credit hours
		64 credit hours

Programs of Study

FINE ARTS

MUSIC EMPHASIS

Associate of Arts

This program is designed to prepare students for a major in music or music education. The courses will prepare students for upper-division bachelor-level study at a four-year institution.

Contact: Hannah Draper-Burnett
(785) 243-1435, ext 286
hdraperburnett@cloud.edu

Minimum General Education Required Courses 31 cr

<i>Communication Requirement</i>	9
CM101 English Composition I (3 cr)	
CM102 English Composition II (3 cr)	
CM115 Public Speaking (3 cr) or CM240 Interpersonal Communications (3 cr)	
<i>Humanities Requirement (3 areas required)</i>	9
Art Humanities	
Music Literature	
Theatre Philosophy	
Foreign Language History	
<i>Mathematics Requirement</i>	3
Mathematics General Education Course	
<i>Natural Science Requirement (1 area required)</i>	4-5
Physical Science (4-5 cr)	
Biological Science (4-5 cr)	
<i>Social/Behavioral Science Requirement (2 areas required)</i>	6
Economics Anthropology	
Psychology Political Science	
Sociology Geography	

Elective Courses* 31 cr

MU100 Music Appreciation	3
MU101 American Music	3
MU102 World Music	3
MU103 History of Rock Music	3
MU104 Cloud County Community Chorale	3
MU110 Harmony & Ear Training I	4
MU111 Harmony & Ear Training II	4
MU112 Harmony & Ear Training III	4
MU113 Harmony & Ear Training IV	4
MU117/MU118/MU119 College Band I, II, III	1
MU126 Concert Band	1
MU127 Jazz Ensemble	1
MU130/MU134/MU137 Applied Music: Voice I-III	1
MU131/MU135/MU138 Applied Music: Instrument I-III	1
MU132/MU136/MU139 Applied Music: Piano I-III	1
MU140/MU141/MU142 Guitar I, II, III	1
MU146/MU147/MU148 Chamber Singers I, II, III	1

Credits Required 62

*All electives should be selected with assistance from an advisor. These options are general areas that will transfer to focused majors. Substitutions must be approved by the department chair.

Degree Information: The Associates of Arts Degree with a Music Emphasis is designed to enable students to transfer into a variety of major programs at K-State, Ft Hays and other music programs across the Midwest.

Recommended Course Sequence:

First Semester: MU100, MU110, Applied Music and Performance Ensemble elective
Second Semester: MU111, Applied Music and Performance Ensemble elective
Third Semester: Applied Music and Performance Ensemble elective
Fourth Semester: Applied Music and Performance Ensemble elective

Students can select an area of emphasis: These general areas align with programs at universities and allow students to narrow their focus after they transfer. Faculty advisors will direct students toward basic courses needed for the major program at the university of transfer.

Requirements: Depending on ACT scores and/or placement exams, students may be required to take developmental courses which may add to the length of study.

After Cloud: Students could gain immediate, entry-level employment in the music field, or if already employed, obtain career advancement opportunities. Students can transfer to a university or college to pursue a bachelor's degree.

Gainful Employment: An Associate of Arts degree in music will provide students the ability to transfer to four-year institutions. Upon completion of a 4-year degree students will be able to pursue the following careers in music: Performer (no definite salary cap, but American Federation of Musicians scale would be typical as a starting wage \$100-\$400 per event; Private Studio Instructor \$10-\$60 hourly; School Music Teacher \$25,000-\$35,000 annually in Kansas; Music Industry Professional (agent, recording tech, etc) \$10,000-\$40,000 yearly. Employment opportunities without a bachelor's degree would include Private Studio instructor \$10-\$40 hourly; Piano Accompanist \$10-\$40 hourly; "Club" Musician \$5.00-\$10.00 hourly. Associate degrees would make students more competitive for most entry level positions.

Transfer Institution Guide: A student who is interested in pursuing a baccalaureate degree should consult a CCCC advisor and the transfer guide and catalog of the four-year institution.

Programs of Study

FINE ARTS

MUSIC EMPHASIS

Associate of Arts

Suggested Semester Guideline

Semester 1

MU 110	Harmony and Ear Training I	4 credit hours
MU	Applied Music Elective	1 credit hour
MU	Performance Ensemble Elective	1 credit hour
MU 100	Music Appreciation	3 credit hours
CM 101	English Composition I	3 credit hours
MA 111	College Algebra (or higher)	3 credit hours
MU 132	Applied Piano	<u>1 credit hour</u>
	Total:	16 credit hours

Semester 2

MU 111	Harmony and Ear Training II	4 credit hours
MU	Applied Music Elective	1 credit hour
MU	Performance Ensemble Elective	1 credit hour
CM 102	English Composition II	3 credit hours
CM 115	Public Speaking	3 credit hours
	Science with Lab General Education	4 credit hours
MU 132	Applied Piano	<u>1 credit hour</u>
	Total:	17 credit hours

Semester 3

MU	Applied Music Elective	1 credit hour
MU	Performance Ensemble Elective	1 credit hour
MU	Music Elective	3 credit hours
MU 103	History of Rock Music	3 credit hours
PH 100	Introduction to Philosophy	3 credit hours
	Social Science General Education	3 credit hours
MU 136	Applied Piano II	<u>1 credit hour</u>
	Total:	15 credit hours

Semester 4

MU	Applied Music Elective	3 credit hours
MU	Performance Ensemble Elective	1 credit hour
	Humanities General Education	3 credit hours
MU 102	World Music	3 credit hours
	Social Science General Education	3 credit hours
MU 136	Applied Piano II	<u>1 credit hour</u>
	Total:	14 credit hours
		62 credit hours

Programs of Study

GENERAL STUDIES

GENERAL STUDIES (UNDECLARED) EMPHASIS

Associate of Arts / Associate of Science

This program is designed to allow students to explore a variety of courses and disciplines of interest. The courses will prepare students for advanced study at a four-year institution.

Minimum General Education Required Courses 31-32 cr

<i>Communication Requirement</i>		9
CM101 English Composition I (3 cr)		
CM102 English Composition II (3 cr)		
CM115 Public Speaking (3 cr) or		
CM240 Interpersonal Communications (3 cr)		
<i>Humanities Requirement</i>	(AA- 3 areas required)	9
	(AS - 2 areas required)	6
Art	Humanities	
Music	Literature	
Theatre	Philosophy	
Foreign Language	History	
<i>Mathematics Requirement</i>		3
Mathematics General Education Course		
<i>Natural Science Requirement</i>	(AA- 1 area required)	4-5
	(AS- 2 areas required)	8-10
Biological Science		
Physical Science		
<i>Social/Behavioral Science Requirement</i>	(2 areas required)	6
	(AA/AS - 2 areas required)	
Economics	Anthropology	
Psychology	Political Science	
Sociology	Geography	

Elective Courses* 30-31 cr

The 30-31 elective hours may be selected from any discipline with the exception of courses with prefixes of AH, IE, MS, NR, TD, WE as well as CDL and Agri-Biotechnology courses.

Credits Required 62

*All electives should be selected with assistance from an advisor.

Contact: Contact the Advising Center at (785) 243-1435, ext 275 or ext 276

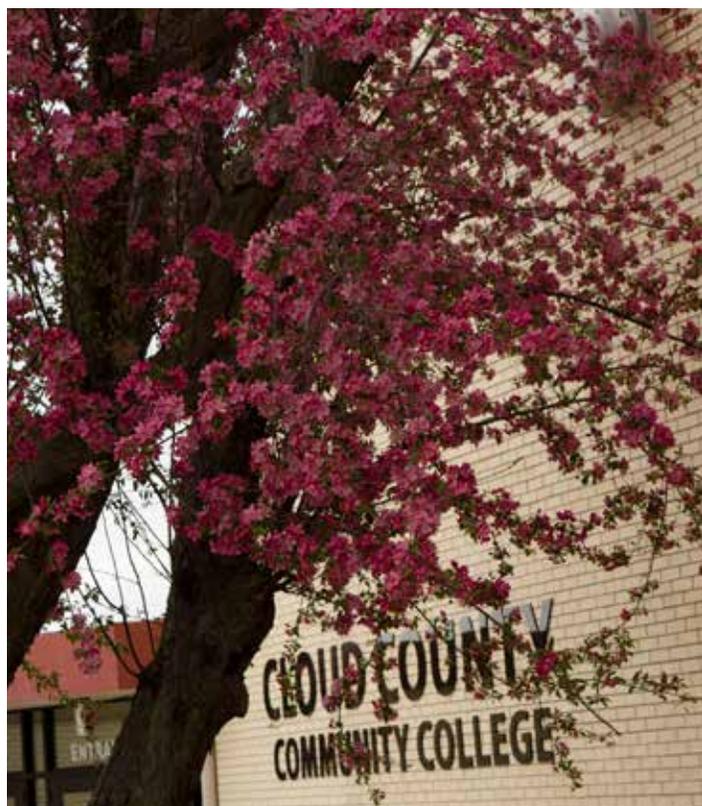
Degree Information: The Associate of Arts or the Associate of Science with an emphasis of General Studies are designed to enable students to transfer into a variety of programs at four-year universities. These general areas align with programs at universities and allow students to narrow their focus after they transfer.

Requirements: Depending on ACT scores and/or placement exams, students may be required to take developmental courses which may add to the length of study.

After Cloud: Student can transfer to a university or college to pursue a bachelor's degree.

Gainful Employment: Obtaining an Associate of Arts or Associate of Science degree with an emphasis in this area should allow a student to transfer into a four-year baccalaureate program. This program is not specifically a "School to Work" or "Career Ready" program. Associate degrees would make students more competitive for most entry-level positions. Gainful employment data would be comparable to various entry level positions at/or above minimum wage values.

Transfer Institution Guide: A student who is interested in pursuing a baccalaureate degree should consult a CCCC advisor and the transfer guide and catalog of the four-year institution.



Programs of Study

GENERAL STUDIES

GENERAL STUDIES (UNDECLARED) EMPHASIS

Associate of Arts / Associate of Science

Suggested Semester Guideline

Semester 1

CM 101	English Composition I	3 credit hours
	Humanities General Education	3 credit hours
	Math General Education	3 credit hours
	Social Science General Education	3 credit hours
	Elective	<u>3 credit hours</u>
	Total:	15 credit hours

Semester 2

CM 102	English Composition II	3 credit hours
	Science with Lab General Education	5 credit hours
	Humanities General Education	3 credit hours
	Elective	3 credit hours
	Elective	<u>3 credit hours</u>
	Total:	17 credit hours

Semester 3

CM 115	Public Speaking	3 credit hours
	Social Science General Education	3 credit hours
	Elective	3 credit hours
	Elective	3 credit hours
	Elective	<u>3 credit hours</u>
	Total:	15 credit hours

Semester 4

	Humanities General Education (AA) or Science with Lab General Education (AS)	3-4 credit hours	
	Elective	3 credit hours	
	Elective	3 credit hours	
	Elective	<u>3 credit hours</u>	
	Total:	15-16 credit hours	62 credit hours

Programs of Study

HEALTH AND HUMAN PERFORMANCE

ATHLETIC TRAINING EMPHASIS

Associate of Arts / Associate of Science

Cloud County Community College has agreements with various Regents Universities across Kansas where students can take courses at CCCC for two years, then transfer into the university system the third year as juniors. Students who plan to major in Health and Human Performance with an Athletic Training emphasis may begin this bachelor's degree program at Cloud County Community College. Graduates from these four-year programs enter a profession with many professional opportunities. Overall career demand is projected to grow over the coming decade. The general career outlook is positive due to the continuing strong emphasis on sports in our schools, universities, and communities. Because of this, there needs to be professional training and expertise in athletic training.

Contact: Spencer Farha
(785) 243-1435, ext 269
safarha@cloud.edu

Degree Information: The Associate of Arts or the Associate of Science in Health and Human Performance with an emphasis in Athletic Training is designed to enable students to transfer into a variety of health and athletic training programs across the Midwest. The following list represents a suggested guide toward a program of study and is intended to meet typical requirements of a transfer institution.

Recommended Course Sequence:

First Semester: PE150
Second Semester: PE151, HE124
Third Semester: SC120, PE131
Fourth Semester: PE141, SC121

Requirements: Depending on ACT scores and/or placement exams, students may be required to take developmental courses which may add to the length of study.

After Cloud: The health, human anatomy and physiology, general education and elective area courses are designed for students who intend to transfer to four-year colleges and universities to complete educational requirements necessary for careers in this emphasis. Examples of positions include athletic training, personal fitness training, and other related occupations.

Gainful Employment: This program results in an Associate of Science degree which prepares students for further study at a four-year institution. Students who obtain a bachelor's degree in this field could apply these skills to careers with personal fitness training and athletic training. Entry-level employment with a bachelor's degree in these specialties can vary widely depending upon the responsibilities and areas of the country in which a person works. According to the U.S. Bureau of Labor Statistics, as people become more aware of sports-related injuries at a young age, demand for athletic trainers is expected to grow. Employment of athletic trainers is projected to increase 21% from 2014 to 2024. The 2015 median salary for athletic trainers in the United States is \$44,670. Salaries may differ depending upon years of experience and locale.

Obtaining an Associate of Science degree with an emphasis in this area should allow a student to transfer into a four-year program. This degree is not specifically a "School to Work" or "Career Ready" program. Associate degrees would make students more competitive for most entry-level positions.

Transfer Institution Guide: A student who is interested in pursuing a baccalaureate degree should consult a CCCC advisor and the transfer guide and catalog of the four-year institution.

Minimum General Education Required Courses 31-32 cr

Communication Requirement 9

CM101 English Composition I (3 cr)

CM102 English Composition II (3 cr)

CM115 Public Speaking (3 cr) or

CM240 Interpersonal Communications (3 cr)

Humanities Requirement (AA- 3 areas required) 9

(AS - 2 areas required) 6

Art Humanities

Music Literature

Theatre Philosophy

Foreign Language History

Mathematics Requirement 3

Mathematics General Education Course

Natural Science Requirement (AA- 1 area required) 4-5
(AS- 2 areas required) 8-10

Biological Science

Physical Science

Social/Behavioral Science Requirement 6

(AA/AS - 2 areas required)

Economics Anthropology

Psychology Political Science

Sociology Geography

Elective Courses 30-31 cr

HE124 Nutrition 3

PE131 First Aid & Safety 3

PE136 Theory of Coaching 3

PE141 Personal Wellness 3

PE150 Basic Care/Prevention of Athletic Injury I 3

PE151 Basic Care/Prevention of Athletic Injury II 3

MA112 Trigonometry 3

SC120 Human Anatomy & Physiology I 4

SC121 Human Anatomy & Physiology II 4

Elective 3

Credits Required 62

*All electives should be selected with assistance from an advisor. These options are general areas that will transfer to focused majors. Substitutions must be approved by the department chair.

Programs of Study

HEALTH AND HUMAN PERFORMANCE

ATHLETIC TRAINING EMPHASIS

Associate of Arts / Associate of Science

Suggested Semester Guideline

Semester 1

CM 101	English Composition I	3 credit hours
MA 111	College Algebra (or higher)	3 credit hours
PE 150	Basic Care and Prevention of Athletic Injuries I	3 credit hours
	Humanities General Education	3 credit hours
	Physical Science General Education	<u>3-4 credit hours</u>
	Total:	15-16 credit hours

Semester 2

CM 102	English Composition II	3 credit hours
PE 151	Basic Care and Prevention of Athletic Injuries II	3 credit hours
MA 112	Trigonometry (or higher)	3 credit hours
HE 124	Nutrition	3 credit hours
PE 136	Theory of Coaching	<u>3 credit hours</u>
	Total:	15 credit hours

Semester 3

SC 120	Human Anatomy and Physiology I	4 credit hours
SS	Social Science General Education	3 credit hours
PE 131	First Aid and Safety	3 credit hours
	Elective	3 credit hours
SS 101	General Psychology	<u>3 credit hours</u>
	Total:	16 credit hours

Semester 4

CM 115	Public Speaking	3 credit hours
PE 141	Personal Wellness	3 credit hours
SC 121	Human Anatomy and Physiology II	4 credit hours
SS	Social Science General Education ³	3 credit hours
	Humanities General Education ¹	<u>3 credit hours</u>
	Total:	16 credit hours
		62-63 credit hours

Programs of Study

HEALTH AND HUMAN PERFORMANCE

COACHING EMPHASIS

Associate of Science

Cloud County Community College has agreements with various Regents Universities across Kansas where students can take courses at CCCC for two years, then transfer into the university system the third year as juniors. Students who plan to major in Health and Human Performance with a coaching emphasis may begin this bachelor's degree program at Cloud County Community College. Graduates from these four-year programs enter a profession with lots of possibilities. Career demand is projected to thrive and become stronger over the coming decade.

Contact: Spencer Farha
(785) 243-1435, ext 269
safarha@cloud.edu

Degree Information: The Associate of Science in Health and Human Performance with an emphasis in Coaching is designed to enable students to transfer into a variety of health and athletic training programs across the Midwest. The following list represents a suggested guide toward a program of study and is intended to meet typical requirements of a transfer institution.

Minimum General Education Required Courses 32 cr

Communication Requirement 9

- CM101 English Composition I (3 cr)
- CM102 English Composition II (3 cr)
- CM115 Public Speaking (3 cr) or
- CM240 Interpersonal Communications (3 cr)

Humanities Requirement (2 areas required) 6

- Art Humanities
- Music Literature
- Theatre Philosophy
- Foreign Language History

Mathematics Requirement 3

- Mathematics General Education Course

Natural Science Requirement (2 areas required) 8-10

- Physical Science (4-5 cr)
- Biological Science (4-5 cr)

Social/Behavioral Science Requirement (2 areas required) 6

- Economics Anthropology
- Psychology Political Science
- Sociology Geography

Elective Courses* 30 cr

- BE210 Leadership Development 3
- PE131 First Aid and Safety 3
- PE136 Theory of Coaching 3
- PE139 Techniques of Coaching Basketball 2
- PE141 Personal Wellness 3
- PE146 Concepts of Team Sports 3
- PE155 Recognition and Care of Athletic Injury 3
- PE156 Principles of Strength & Conditioning 2
- Electives 9

Credits Required 62

*All electives should be selected with assistance from an advisor. These options are general areas that will transfer to focused majors. Substitutions must be approved by the department chair.

Recommended Course Sequence:

- First Semester: CM101, PE136
- Second Semester: CM102, PE141, PE146
- Third Semester: PE131,
- Fourth Semester: BE210, CM115/CM240, PE156

Requirements: Depending on ACT scores and/or placement exams, students may be required to take developmental courses which may add to the length of study.

After Cloud: The health, coaching, general education, physical education and elective area courses are designed for students who intend to transfer to four-year colleges and universities to complete educational requirements necessary for careers in this emphasis. Examples of positions include recreation program management, special event management, outdoor recreation leadership, health promotion, coaching, and numerous related occupations.

Gainful Employment: This program results in an Associate of Science degree which prepares students for further study at a four-year institution. Students who obtain a bachelor's degree in this field could apply these skills to careers with the management of fitness centers, various coaching positions outside of public schools, coaching in colleges, special populations in recreation, special events management, and numerous related occupations. Entry-level employment with a bachelor's degree in these fields can vary widely depending on the field.

Obtaining an Associate of Science degree with an emphasis in this area should allow a student to transfer into a four-year program. This degree is not specifically a "School to Work" or "Career Ready" program. Associate degrees would make students more competitive for most entry-level positions.

Transfer Institution Guide: A student who is interested in pursuing a baccalaureate degree should consult a CCCC advisor and the transfer guide and catalog of the four-year institution.

Programs of Study

HEALTH AND HUMAN PERFORMANCE

COACHING EMPHASIS

Associate of Science

Suggested Semester Guideline

Semester 1

CM 101	English Composition I	3 credit hours
MA 111	College Algebra (or higher)	3 credit hours
PE 136	Theory of Coaching	3 credit hours
PE 150	Basic Care & Prevention of Athletic Injuries	3 credit hours
SS 101	General Psychology	<u>3 credit hours</u>
	Total:	15 credit hours

Semester 2

CM 102	English Composition II	3 credit hours
	Physical Science General Education	4-5 credit hours
PE 141	Personal Wellness	3 credit hours
PE 146	Concepts of Team Sports	3 credit hours
	Elective	<u>3 credit hours</u>
	Total:	16-17 credit hours

Semester 3

PE 131	First Aid and Safety	3 credit hours
PE 139	Techniques of Coaching Basketball	2 credit hours
	Biological Science General Education	4 credit hours
	Humanities General Education	3 credit hours
	Social Science General Education	<u>3 credit hours</u>
	Total:	15 credit hours

Semester 4

BE 210	Leadership Development	3 credit hours
CM 115	Public Speaking	3 credit hours
PE 156	Principles of Strength & Conditioning	2 credit hours
	Humanities General Education	3 credit hours
	Elective	3 credit hours
	Elective	<u>3 credit hours</u>
	Total:	17 credit hours
		63-64 credit hours

Programs of Study

HEALTH AND HUMAN PERFORMANCE

KINESIOLOGY / EXERCISE SCIENCE EMPHASIS

Associate of Science

Cloud County Community College has agreements with various Regents Universities across Kansas where students can take courses at CCCC for two years, then transfer into the university system the third year as juniors. Students who plan to major in Health and Human Performance with a Kinesiology/Exercise Science emphasis may begin this bachelor's degree program at Cloud County Community College. Graduates from these four-year programs enter a profession with many possibilities.

Overall career demand is projected to grow over the coming decade. There is a wide range of positions that a person can select from. The general career outlook is positive due to a steadily increasing population in our nation and due to the growing wisdom of people taking responsibility for keeping as fit and healthy as possible.

Minimum General Education Required Courses 32 cr

Communication Requirement 9

CM101 English Composition I (3 cr)	
CM102 English Composition II (3 cr)	
CM115 Public Speaking (3 cr) or	
CM240 Interpersonal Communications (3 cr)	

Humanities Requirement (2 areas required) 6

Art	Humanities
Music	Literature
Theatre	Philosophy
Foreign Language	History

Mathematics Requirement 3

Mathematics General Education Course

Natural Science Requirement (2 areas required) 8-10

Physical Science (4-5 cr)	
Biological Science (4-5 cr)	

Social/Behavioral Science Requirement (2 areas required) 6

Economics	Anthropology
Psychology	Political Science
Sociology	Geography

Elective Courses* 30 cr

HE124 Nutrition	3
MA112 Trigonometry	3
PE131 First Aid & Safety	3
PE141 Personal Wellness	3
PE146 Concepts of Team Sports	3
PE150 Basic Care & Prevention of Athletic Injuries	3
PE156 Principles of Strength & Conditioning	2
SC120 Human Anatomy & Physiology I (suggested)	4
SC121 Human Anatomy & Physiology II	4
SC130 General Chemistry or	
SC131 Chemistry I (suggested)	5
SC140 College Physics I	5
Elective	3

Credits Required 62

*All electives should be selected with assistance from an advisor. These options are general areas that will transfer to focused majors. Substitutions must be approved by the department chair.

Contact: Spencer Farha
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safarha@cloud.edu

Degree Information: The Associates of Science in Health and Human Performance with an emphasis in Kinesiology/Exercise Science is designed to enable students to transfer into a variety of health and kinesiology/exercise programs across the Midwest. The following list represents a suggested guide toward a program of study and is intended to meet typical requirements of a transfer institution.

Recommended Course Sequence:

First Semester: CM101, MA111, PE150, SC120
Second Semester: CM102, HE124, MA112, SC121
Third Semester: SC140, PE131, PE141, PE146
Fourth Semester: CM115/CM240, PE156, SC130

Requirements: Depending on ACT scores and/or placement exams, students may be required to take developmental courses which may add to the length of study.

After Cloud: The health, human anatomy and physiology, kinesiology, general education, physical education, and elective area courses are designed for students who intend to transfer to four-year colleges and universities to complete educational requirements necessary for careers in this emphasis. Examples of positions include public health educator, corporate wellness coordinator, community health worker, manager of health services for a clinic, department or facility, health coach, and many related occupations.

Gainful Employment: This program results in an Associate of Science degree which prepares students for further study at a four-year institution. Students who obtain a bachelor's degree in this field could apply these skills to careers with personal fitness training, sports management, recreation therapy, athletic training, physical therapy, and athletic scouting positions. The entry-level employment salary with a bachelor's degree in these specialties can vary widely depending upon the responsibilities and area of the country in which a person works. The U.S. Bureau of Labor Statistics states that because of the growing popularity of sporting event participation, these careers are due to grow 8% (between 2014 & 2024) because of increased popularity of sporting event participation. The same source states that the demand for physical therapists will increase by 34% in the next decade. This is because of the growth of elderly citizens in physical rehabilitation and inroads in medical technology which allow more medical conditions to be treated with physical therapy. The U.S. Bureau of Labor Statistics also states that the 2015 median annual salary for physical therapists was \$84,020. Salaries may differ depending upon years of experience and locale.

Obtaining an Associate of Science degree with an emphasis in this area should allow a student to transfer into a four-year program. This degree is not specifically a "School to Work" or "Career Ready" program. Associate degrees would make students more competitive for most entry-level positions.

Transfer Institution Guide: A student who is interested in pursuing a baccalaureate degree should consult a CCCC advisor and the transfer guide and catalog of the four-year institution.

Programs of Study

HEALTH AND HUMAN PERFORMANCE

KINESIOLOGY / EXERCISE SCIENCE EMPHASIS

Associate of Science

Suggested Semester Guideline

Semester 1

CM 101	English Composition I	3 credit hours
MA 111	College Algebra (or higher)	3 credit hours
	Social Science General Education	3 credit hours
PE 150	Basic Care and Prevention of Athletic Injuries I	3 credit hours
SC120	Human Anatomy & Physiology I	<u>4 credit hours</u>
	Total:	16 credit hours

Semester 2

CM 102	English Composition II	3 credit hours
HE 124	Nutrition	3 credit hours
	Humanities General Education	3 credit hours
SC 121	Human Anatomy & Physiology II	4 credit hours
MA 112	Trigonometry	<u>3 credit hours</u>
	Total:	16 credit hours

Semester 3

PE 131	First Aid and Safety	3 credit hours
PE 141	Personal Wellness	3 credit hours
PE 146	Concepts of Team Sports	3 credit hours
SC 140	College Physics I	5 credit hours
	Social Science General Education	<u>3 credit hours</u>
	Total:	17 credit hours

Semester 4

CM 115	Public Speaking	3 credit hours
PE 156	Principles of Strength & Conditioning	2 credit hours
	Humanities General Education	3 credit hours
	Elective	3 credit hours
SC 130	General Chemistry or SC131 Chemistry I	<u>4-5 credit hours</u>
	Total:	15-16 credit hours
		64-65 credit hours

Programs of Study

HEALTH AND HUMAN PERFORMANCE

SPORTS MANAGEMENT EMPHASIS

Associate of Arts / Associate of Science

Cloud County Community College has agreements with various Regents Universities across Kansas where students can take courses at CCCC for two years, then transfer into the university system the third year as juniors. Students who plan to major in sports management may begin their bachelor's degree program at Cloud County Community College.

Contact: Spencer Farha
(785) 243-1435, ext 269
safarha@cloud.edu

Minimum General Education Required Courses 31-32 cr

<i>Communication Requirement</i>		9
CM101 English Composition I (3 cr)		
CM102 English Composition II (3 cr)		
CM115 Public Speaking (3 cr) or		
CM240 Interpersonal Communications (3 cr)		
<i>Humanities Requirement (AA- 3 areas required)</i>		9
	<i>(AS - 2 areas required)</i>	6
Art	Humanities	
Music	Literature	
Theatre	Philosophy	
Foreign Language	History	
<i>Mathematics Requirement</i>		3
Mathematics General Education Course		
<i>Natural Science Requirement (AA- 1 area required)</i>		4-5
	<i>(AS- 2 areas required)</i>	8-10
Biological Science		
Physical Science		
<i>Social/Behavioral Science Requirement</i>		6
	<i>(AA/AS - 2 areas required)</i>	
Economics	Anthropology	
Psychology	Political Science	
Sociology	Geography	

Elective Courses* 30-31 cr

BE154 Business Law	3
BE155 Marketing	3
BE160 Business Accounting	3
BE210 Leadership Development	3
MG101 Management Principles	3
PE146 Concepts of Team Sports	3
PE131 First Aid & Safety	3
PE136 Theory of Coaching	3
PE141 Personal Wellness	3
PE156 Principles of Strength & Conditioning	2
Elective	3

Credits Required 62

*All electives should be selected with assistance from an advisor. These options are general areas that will transfer to focused majors. Substitutions must be approved by the department chair.

Degree Information: The Associate of Arts or the Associate of Science with a Sports Management emphasis is designed to enable students to transfer into a variety of sports management programs at K-State, KU, WSU or other programs across the Midwest. The following list represents a suggested guide toward a program of study and is intended to meet typical requirements of a transfer institution.

Recommended Course Sequence:

First Semester: CM101, MA111, PE136
Second Semester: CM102, BE160, MG101, PE141
Third Semester: PE131, BE154, BE210
Fourth Semester: BE155, PE146, PE156

Requirements: Depending on ACT scores and/or placement exams, students may be required to take developmental courses which may add to the length of study.

After Cloud: The physical education, business, and elective area courses are designed for students who intend to transfer to four-year colleges and universities to complete educational requirements necessary for careers in this emphasis such as sports management, sports marketing, facility management, sports finance, and numerous related occupations.

Gainful Employment: This program results in an Associate of Arts or an Associate of Science degree, which prepares students for further study at a four-year institution. Students who obtain a bachelor's degree in this field could apply these skills to careers such as event management, sports marketing, sports economics, facility management, sports finance, athletic directorship and numerous related occupations. Entry-level employment with a bachelor's degree in these fields can vary widely depending on the specific job and location. The median salary for a sports information director in the U.S was \$37,302 in 2015, according to Payscale.com, while the median salary for an athletic director in 2015 was \$56,599. These figures may reflect positions that require graduate degrees as well.

Obtaining an Associate of Arts or an Associate of Science degree with an emphasis in this area should allow a student to transfer into a four-year program. This degree is not specifically a "School to Work" or "Career Ready" program. Associate degrees would make students more competitive for most entry-level positions. Gainful employment data would be comparable to various entry-level positions at or above minimum wage values.

Transfer Institution Guide: A student who is interested in pursuing a baccalaureate degree should consult a CCCC advisor and the transfer guide and catalog of the four-year institution.

Programs of Study

HEALTH AND HUMAN PERFORMANCE

SPORTS MANAGEMENT EMPHASIS

Associate of Arts / Associate of Science

Suggested Semester Guideline

Semester 1

CM 101	English Composition I	3 credit hours
MA 111	College Algebra (or higher)	3 credit hours
PE 136	Theory of Coaching	3 credit hours
	Social Science General Education	3 credit hours
	Humanities General Education	<u>3 credit hours</u>
	Total:	15 credit hours

Semester 2

CM 102	English Composition II	3 credit hours
BE 160	Business Accounting	3 credit hours
	Science with Lab General Education	4 credit hours
MG 101	Management Principles	3 credit hours
PE 141	Personal Wellness	<u>3 credit hours</u>
	Total:	16 credit hours

Semester 3

BE 154	Business Law	3 credit hours
BE 210	Leadership Development	3 credit hours
PE 131	First Aid & Safety	3 credit hours
	Humanities General Education (AA) or Science with Lab General Education (AS)	4 credit hours
	Social Science General Education	<u>3 credit hours</u>
	Total:	16 credit hours

Semester 4

BE 155	Marketing	3 credit hours
CM 115	Public Speaking	3 credit hours
PE 146	Concepts of Team Sports	3 credit hours
PE 156	Principles of Strength & Conditioning	2 credit hours
	Humanities General Education	3 credit hours
	Elective	<u>3 credit hours</u>
	Total:	17 credit hours

63-64 credit hours

Programs of Study

HEALTH PRE-PROFESSIONAL

PRE-CHIROPRACTIC EMPHASIS

Associate of Science

Cloud County Community College has agreements with various Regents Universities across Kansas where students can take courses at CCCC for two years, then transfer into the university system the third year as juniors. Students who plan to major in health sciences and numerous related occupational fields may begin this bachelor's degree program at Cloud County Community College. STEM majors with bachelor's degrees enter an exciting, financially rewarding and emotionally satisfying profession. Today there is a high demand for STEM majors.

Contact: Dr. Craig Lamb
(785) 243-1435, ext 717
clamb@cloud.edu

Program Information: The Associate of Science degree prepares the student to continue study at a college or university in preparation for application to a school of chiropractic program. Most general education courses will be met, but further undergraduate work will be required prior to acceptance to a school of chiropractic program. The following list represents a suggested guide toward a program of study and is intended to meet typical requirements of a transfer institution. The program may be modified to reflect student interests and/or the requirements of a particular transfer institution.

Recommended Course Sequence:

First Semester: SC131, SC110, MA111
Second Semester: SC132, MA112
Third Semester: SC134, SC140/SC142, SC120
Fourth Semester: SC135, SC141/SC143, SC121

Requirements: Depending on ACT scores and/or placement exams, students may be required to take developmental courses which may add to the length of study.

After Cloud: The physical science and chemistry courses are designed for students who intend to transfer to four-year colleges and universities to complete educational requirements necessary for careers as chemists, geologists, geophysicists, meteorologists, physicists, astronomers, and numerous related occupations. Physical science, biology, and chemistry courses are also a part of pre-professional programs, such as engineering, agriculture, medicine, nursing, and numerous health occupations.

Gainful Employment: This program results in an Associate of Science degree, which prepares students for further study at a four-year institution. Students who obtain a bachelor's degree in this field could apply these skills to health related careers such as Physical Therapists, Occupational Therapists, Pre-Medicine, Pre-Chiropractic, Pre-Dentistry and numerous related occupations. Entry-level employments in these fields are in the \$70,000 to \$100,000 range. Pre-health related degrees are also particularly well-suited to continuing education for the career of high school teacher (requires state certification) or STEM related professions (requires professional degree beyond the Bachelor's degree).

Obtaining an Associate of Science degree with an emphasis in this area should allow a student to transfer into a four-year program. This degree is not specifically a "School to Work" or "Career Ready" program. Associate degrees would make students more competitive for most entry-level positions. Gainful employment data would be comparable to various entry level positions at/or above minimum wage values.

Transfer Institution Guide: A student who is interested in pursuing a baccalaureate degree should consult a CCCC advisor and the transfer guide and catalog of the four-year institution.

Minimum General Education Required Courses 32 cr

Communication Requirement 9

- CM101 English Composition I (3 cr)
- CM102 English Composition II (3 cr)
- CM115 Public Speaking (3 cr) or
- CM240 Interpersonal Communications (3 cr)

Humanities Requirement (2 areas required) 6

- | | |
|------------------|------------|
| Art | Humanities |
| Music | Literature |
| Theatre | Philosophy |
| Foreign Language | History |

Mathematics Requirement 3

- Mathematics General Education Course

Natural Science Requirement (2 areas required) 8-10

- Physical Science (4-5 cr)
- Biological Science (4-5 cr)

Social/Behavioral Science Requirement (2 areas required) 6

- | | |
|------------|-------------------|
| Economics | Anthropology |
| Psychology | Political Science |
| Sociology | Geography |

Elective Courses* 32 cr

- | | |
|---|---|
| MA111 College Algebra | 3 |
| MA112 Trigonometry | |
| MA115 Linear Algebra and General Calculus | 3 |
| SC110 Principles of Biology I | 5 |
| SC111 Microbiology Lecture | 3 |
| SC112 Microbiology Lab | 2 |
| SC120 Human Anatomy & Physiology I | 4 |
| SC121 Human Anatomy & Physiology II | 4 |
| SC128 Pathophysiology | 4 |
| SC131 Chemistry I | 5 |
| SC132 Chemistry II | 5 |
| SC134 Organic Chemistry I | 5 |
| SC135 Organic Chemistry II | 5 |
| SC140 College Physics I or | |
| SC142 University Physics I | 5 |
| SC141 College Physics II or | |
| SC143 University Physics II | 5 |

Credits Required 64

*All electives should be selected with assistance from an advisor. These options are general areas that will transfer to focused majors. Substitutions must be approved by the department chair.

Programs of Study

HEALTH PRE-PROFESSIONAL

PRE-CHIROPRACTIC EMPHASIS

Associate of Science

Suggested Semester Guideline

Semester 1

CM 101	English Composition I	3 credit hours
MA 111	College Algebra (or higher)	3 credit hours
SC 131	Chemistry I	5 credit hours
SC 110	Principles of Biology I	<u>5 credit hours</u>
	Total:	16 credit hours

Semester 2

CM 102	English Composition II	3 credit hours
MA 112	Trigonometry	3 credit hours
SC 132	Chemistry II	5 credit hours
	Social Science General Education	3 credit hours
	Humanities General Education	<u>3 credit hours</u>
	Total:	17 credit hours

Semester 3

SC 134	Organic Chemistry I*	5 credit hours
SC 140	College Physics Elective*	5 credit hours
SC 120	Human Anatomy & Physiology I*	4 credit hours
	Social Science General Education	<u>3 credit hours</u>
	Total:	17 credit hours

Semester 4

SC 135	Organic Chemistry II*	5 credit hours
SC 141	College Physics II*	5 credit hours
SC 121	Human Anatomy & Physiology II*	4 credit hours
	Humanities General Education	3 credit hours
CM 115	Public Speaking	<u>3 credit hours</u>
	Total:	15-20 credit hours* 64 credit hours

*Students may choose which path they want to take. All three sequences of courses are ultimately required before acceptance into the field.

Programs of Study

HEALTH PRE-PROFESSIONAL

PRE-DENTISTRY EMPHASIS

Associate of Science

Cloud County Community College has agreements with various Regents Universities across Kansas where students can take courses at CCCC for two years, then transfer into the university system the third year as juniors. Students who plan to major in health sciences and numerous related occupational fields may begin this bachelor's degree program at Cloud County Community College. STEM majors with bachelor's degrees enter an exciting, financially rewarding and emotionally satisfying profession. Today there is a high demand for STEM majors.

Contact: Dr. Craig Lamb
(785) 243-1435, ext 717
clamb@cloud.edu

Program Information: The Associate of Science degree prepares the student to continue study at a college or university in preparation for application to a school of dentistry program. Most general education courses will be met, but further undergraduate work will be required prior to acceptance to a school of dentistry program. The following list represents a suggested guide toward a program of study and is intended to meet typical requirements of a transfer institution. The program may be modified to reflect student interests and/or the requirements of a particular transfer institution.

Recommended Course Sequence:

First Semester: SC131, SC110, MA111

Second Semester: SC132, MA112

Third Semester: SC134, SC140/SC142, SC120

Fourth Semester: SC135, SC141/SC143, SC121

Requirements: Depending on ACT scores and/or placement exams, students may be required to take developmental courses which may add to the length of study.

After Cloud: The physical science and chemistry courses are designed for students who intend to transfer to four-year colleges and universities to complete educational requirements necessary for careers as chemists, geologists, geophysicists, meteorologists, physicists, astronomers, and numerous related occupations. Physical science, biology, and chemistry courses are also a part of pre-professional programs, such as engineering, agriculture, medicine, nursing, and numerous health occupations.

Gainful Employment: This program results in an Associate of Science degree, which prepares students for further study at a four-year institution. Students who obtain a bachelor's degree in this field could apply these skills to health related careers such as Physical Therapists, Occupational Therapists, Pre-Medicine, Pre-Chiropractic, Pre-Dentistry and numerous related occupations. Entry-level employments in these fields are in the \$70,000 to \$100,000 range. Pre-health related degrees are also particularly well-suited to continuing education for the career of high school teacher (requires state certification) or STEM related professions (requires professional degree beyond the Bachelor's degree).

Obtaining an Associate of Science degree with an emphasis in this area should allow a student to transfer into a four-year program. This degree is not specifically a "School to Work" or "Career Ready" program. Associate degrees would make students more competitive for most entry-level positions. Gainful employment data would be comparable to various entry level positions at/or above minimum wage values.

Transfer Institution Guide: A student who is interested in pursuing a baccalaureate degree should consult a CCCC advisor and the transfer guide and catalog of the four-year institution.

Minimum General Education Required Courses 32 cr

Communication Requirement 9

- CM101 English Composition I (3 cr)
- CM102 English Composition II (3 cr)
- CM115 Public Speaking (3 cr) or
- CM240 Interpersonal Communications (3 cr)

Humanities Requirement (2 areas required) 6

- Art Humanities
- Music Literature
- Theatre Philosophy
- Foreign Language History

Mathematics Requirement 3

- Mathematics General Education Course

Natural Science Requirement (2 areas required) 8-10

- Physical Science (4-5 cr)
- Biological Science (4-5 cr)

Social/Behavioral Science Requirement (2 areas required) 6

- Economics Anthropology
- Psychology Political Science
- Sociology Geography

Elective Courses* 32 cr

- MA111 College Algebra 3
- MA112 Trigonometry 3
- MA115 Linear Algebra and General Calculus 3
- SC110 Principles of Biology I 5
- SC111 Microbiology Lecture 3
- SC112 Microbiology Lab 2
- SC120 Human Anatomy & Physiology I 4
- SC121 Human Anatomy & Physiology II 4
- SC128 Pathophysiology 4
- SC131 Chemistry I 5
- SC132 Chemistry II 5
- SC134 Organic Chemistry I 5
- SC135 Organic Chemistry II 5
- SC140 College Physics I or
- SC142 University Physics I 5
- SC141 College Physics II or
- SC143 University Physics II 5

Credits Required 64

*All electives should be selected with assistance from an advisor. These options are general areas that will transfer to focused majors. Substitutions must be approved by the department chair.

Programs of Study

HEALTH PRE-PROFESSIONAL

PRE-DENTISTRY EMPHASIS

Associate of Science

Suggested Semester Guideline

Semester 1

CM 101	English Composition I	3 credit hours
MA 111	College Algebra (or higher)	3 credit hours
SC 131	Chemistry I	5 credit hours
SC 110	Principles of Biology I	<u>5 credit hours</u>
	Total:	16 credit hours

Semester 2

CM 102	English Composition II	3 credit hours
MA 112	Trigonometry	3 credit hours
SC 132	Chemistry II	5 credit hours
	Social Science General Education	3 credit hours
	Humanities General Education	<u>3 credit hours</u>
	Total:	17 credit hours

Semester 3

SC 134	Organic Chemistry I *	5 credit hours
SC 140	College Physics Elective*	5 credit hours
SC 120	Human Anatomy & Physiology I*	4 credit hours
	Social Science General Education	<u>3 credit hours</u>
	Total:	17 credit hours

Semester 4

SC 135	Organic Chemistry II*	5 credit hours
SC 141	College Physics II*	5 credit hours
SC 121	Human Anatomy & Physiology II*	4 credit hours
	Humanities General Education	3 credit hours
CM 115	Public Speaking	<u>3 credit hours</u>
	Total:	15-20 credit hours* 64 credit hours

*Students may choose which path they want to take. All three sequences of courses are ultimately required before acceptance into the field.

Programs of Study

HEALTH PRE-PROFESSIONAL

PRE-MEDICINE EMPHASIS

Associate of Science

Cloud County Community College has agreements with various Regents Universities across Kansas where students can take courses at CCCC for two years, then transfer into the university system the third year as juniors. Students who plan to major in health sciences and numerous related occupational fields may begin this bachelor's degree program at Cloud County Community College. STEM majors with bachelor's degrees enter an exciting, financially rewarding and emotionally satisfying profession. Today there is a high demand for STEM majors.

Contact: Dr. Craig Lamb
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clamb@cloud.edu

Program Information: The Associate of Science degree prepares the student to continue study at a college or university in preparation for application to a school of medicine program. Most general education courses will be met, but further undergraduate work will be required prior to acceptance to a school of medicine program. The following list represents a suggested guide toward a program of study and is intended to meet typical requirements of a transfer institution. The program may be modified to reflect student interests and/or the requirements of a particular transfer institution.

Recommended Course Sequence:

First Semester: SC131, SC110, MA111

Second Semester: SC132, MA112

Third Semester: SC134, SC140/SC142, SC120

Fourth Semester: SC135, SC141/SC143, SC121

Requirements: Depending on ACT scores and/or placement exams, students may be required to take developmental courses which may add to the length of study.

After Cloud: The physical science and chemistry courses are designed for students who intend to transfer to four-year colleges and universities to complete educational requirements necessary for careers as chemists, geologists, geophysicists, meteorologists, physicists, astronomers, and numerous related occupations. Physical science and chemistry courses are also a part of pre-professional programs, such as engineering, agriculture, medicine, nursing, and numerous health occupations.

Gainful Employment: This program results in an Associate of Science degree, which prepares students for further study at a four-year institution. Students who obtain a bachelor's degree in this field could apply these skills to health related careers such as Physical Therapists, Occupational Therapists, Pre-Medicine, Pre-Chiropractic, Pre-Dentistry and numerous related occupations. Entry-level employments in these fields are in the \$70,000 to \$100,000 range. Pre-health related degrees are also particularly well-suited to continuing education for the career of high school teacher (requires state certification) or STEM related professions (requires professional degree beyond the bachelor's degree).

Obtaining an Associate of Science degree with an emphasis in this area should allow a student to transfer into a four-year program. This degree is not specifically a "School to Work" or "Career Ready" program. Associate degrees would make students more competitive for most entry-level positions. Gainful employment data would be comparable to various entry level positions at/or above minimum wage values.

Transfer Institution Guide: A student who is interested in pursuing a baccalaureate degree should consult a CCCC advisor and the transfer guide and catalog of the four-year institution.

Minimum General Education Required Courses 32 cr

Communication Requirement 9

CM101 English Composition I (3 cr)

CM102 English Composition II (3 cr)

CM115 Public Speaking (3 cr) or

CM240 Interpersonal Communications (3 cr)

Humanities Requirement (2 areas required) 6

Art Humanities

Music Literature

Theatre Philosophy

Foreign Language History

Mathematics Requirement 3

Mathematics General Education Course

Natural Science Requirement (2 areas required) 8-10

Physical Science (4-5 cr)

Biological Science (4-5 cr)

Social/Behavioral Science Requirement (2 areas required) 6

Economics Anthropology

Psychology Political Science

Sociology Geography

Elective Courses* 32 cr

MA111 College Algebra 3

MA112 Trigonometry 3

MA115 Linear Algebra and General Calculus 3

SC110 Principles of Biology I 5

SC111 Microbiology Lecture 3

SC112 Microbiology Lab 2

SC120 Human Anatomy & Physiology I 4

SC121 Human Anatomy & Physiology II 4

SC128 Pathophysiology 4

SC131 Chemistry I 5

SC132 Chemistry II 5

SC134 Organic Chemistry I 5

SC135 Organic Chemistry II 5

SC140 College Physics I or

SC142 University Physics I 5

SC141 College Physics II or

SC143 University Physics II 5

Credits Required 64

*All electives should be selected with assistance from an advisor. These options are general areas that will transfer to focused majors. Substitutions must be approved by the department chair.

Programs of Study

HEALTH PRE-PROFESSIONAL

PRE-MEDICINE EMPHASIS

Associate of Science

Suggested Semester Guideline

Semester 1

CM 101	English Composition I	3 credit hours
MA 111	College Algebra (or higher)	3 credit hours
SC 131	Chemistry I	5 credit hours
SC 110	Principles of Biology I	<u>5 credit hours</u>
	Total:	16 credit hours

Semester 2

CM 102	English Composition II	3 credit hours
MA 112	Trigonometry	3 credit hours
SC 132	Chemistry II	5 credit hours
	Social Science General Education	3 credit hours
	Humanities General Education	<u>3 credit hours</u>
	Total:	17 credit hours

Semester 3

SC 134	Organic Chemistry I*	5 credit hours
SC 140	College Physics Elective*	5 credit hours
SC 120	Human Anatomy & Physiology I*	4 credit hours
	Social Science General Education	<u>3 credit hours</u>
	Total:	17 credit hours

Semester 4

SC 135	Organic Chemistry II*	5 credit hours
SC 141	College Physics II*	5 credit hours
SC 121	Human Anatomy & Physiology II*	4 credit hours
	Humanities General Education	3 credit hours
CM 115	Public Speaking	<u>3 credit hours</u>
	Total:	15-20 credit hours* 64 credit hours

*Students may choose which path they want to take. All three sequences of courses are ultimately required before acceptance into the field.

Programs of Study

HEALTH PRE-PROFESSIONAL

PRE-PHARMACY EMPHASIS

Associate of Science

Cloud County Community College has agreements with various Regents Universities across Kansas where students can take courses at CCCC for two years, then transfer into the university system the third year as juniors. Students who plan to major in health sciences and numerous related occupational fields may begin this bachelor's degree program at Cloud County Community College. STEM majors with bachelor's degrees enter an exciting, financially rewarding and emotionally satisfying profession. Today there is a high demand for STEM majors.

Contact: Dr. Craig Lamb
(785) 243-1435, ext 717
clamb@cloud.edu

Program Information: The Associate of Science degree prepares the student to continue study at a college or university in preparation for application to a pharmacy program. Most general education courses will be met, but further undergraduate work will be required prior to acceptance to a pharmacy program. The following list represents a suggested guide toward a program of study and is intended to meet typical requirements of a transfer institution. The program may be modified to reflect student interests and/or the requirements of a particular transfer institution.

Recommended Course Sequence:

First Semester: SC131, MA120
Second Semester: SC132, MA121
Third Semester: SC134, SC140/SC142
Fourth Semester: SC135, SC141/SC143

Requirements: Depending on ACT scores and/or placement exams, students may be required to take developmental courses which may add to the length of study.

After Cloud: The physical science and chemistry courses are designed for students who intend to transfer to four-year colleges and universities to complete educational requirements necessary for careers as chemists, geologists, geophysicists, meteorologists, physicists, astronomers, and numerous related occupations. Physical science, biology, and chemistry courses are also a part of pre-professional programs, such as engineering, agriculture, medicine, nursing, and numerous health occupations.

Gainful Employment: This program results in an Associate of Science degree, which prepares students for further study at a four-year institution. Students who obtain a bachelor's degree in this field could apply these skills to health related careers such as Physical Therapists, Occupational Therapists, Pre-Medicine, Pre-Chiropractic, Pre-Dentistry and numerous related occupations. Entry-level employments in these fields are in the \$70,000 to \$100,000 range. Pre-health related degrees are also particularly well-suited to continuing education for the career of high school teacher (requires state certification) or STEM related professions (requires professional degree beyond the bachelor's degree).

Obtaining an Associate of Science degree with an emphasis in this area should allow a student to transfer into a four-year program. This degree is not specifically a "School to Work" or "Career Ready" program. Associate degrees would make students more competitive for most entry-level positions. Gainful employment data would be comparable to various entry level positions at/or above minimum wage values.

Transfer Institution Guide: A student who is interested in pursuing a baccalaureate degree should consult a CCCC advisor and the transfer guide and catalog of the four-year institution.

Minimum General Education Required Courses 32 cr

Communication Requirement 9

- CM101 English Composition I (3 cr)
- CM102 English Composition II (3 cr)
- CM115 Public Speaking (3 cr) or
- CM240 Interpersonal Communications (3 cr)

Humanities Requirement (2 areas required) 6

- | | |
|------------------|------------|
| Art | Humanities |
| Music | Literature |
| Theatre | Philosophy |
| Foreign Language | History |

Mathematics Requirement 3

- Mathematics General Education Course

Natural Science Requirement (2 areas required) 8-10

- Physical Science (4-5 cr)
- Biological Science (4-5 cr)

Social/Behavioral Science Requirement (2 areas required) 6

- | | |
|------------|-------------------|
| Economics | Anthropology |
| Psychology | Political Science |
| Sociology | Geography |

Elective Courses* 32 cr

- | | |
|---------------------------------------|---|
| MA111 College Algebra | 3 |
| MA112 Trigonometry | 3 |
| MA120 Analytic Geometry & Calculus I | 5 |
| MA121 Analytic Geometry & Calculus II | 5 |
| SC131 Chemistry I | 5 |
| SC132 Chemistry II | 5 |
| SC134 Organic Chemistry I | 5 |
| SC135 Organic Chemistry II | 5 |
| SC140 College Physics I or | |
| SC142 University Physics I | 5 |
| SC141 College Physics II or | |
| SC143 University Physics II | 5 |

Credits Required 64

*All electives should be selected with assistance from an advisor. These options are general areas that will transfer to focused majors. Substitutions must be approved by the department chair.

Programs of Study

HEALTH PRE-PROFESSIONAL

PRE-PHARMACY EMPHASIS

Associate of Science

Suggested Semester Guideline

Semester 1

CM 101	English Composition I	3 credit hours
SC 131	Chemistry I	5 credit hours
SC 110	Principles of Biology I	5 credit hours
	Social Science General Education	<u>3 credit hours</u>
	Total:	16 credit hours

Semester 2

CM 102	English Composition II	3 credit hours
MA 112	Trigonometry (or higher)*	3 credit hours
SC 132	Chemistry II	5 credit hours
	Humanities General Education	<u>3 credit hours</u>
	Total:	17 credit hours

Semester 3

MA 120	Analytic Geometry and Calculus I (Math elective)*	5 credit hours
SC 134	Organic Chemistry I	5 credit hours
SC 140	College Physics Elective*	5 credit hours
	Social Science General Education	<u>3 credit hours</u>
	Total:	15 credit hours

Semester 4

SC 135	Organic Chemistry II	5 credit hours
SC 141	College Physics II	5 credit hours
	Humanities General Education	3 credit hours
CM 115	Public Speaking	<u>3 credit hours</u>
	Total:	16 credit hours
		64 credit hours

*Students may choose which math sequence they need to take. Calculus is ultimately required before acceptance into the field.

Programs of Study

HEALTH PRE-PROFESSIONAL

PRE-PHYSICIAN ASSISTANT EMPHASIS

Associate of Science

Cloud County Community College has agreements with various Regents Universities across Kansas where students can take courses at CCCC for two years, then transfer into the university system the third year as juniors. Students who plan to major in health sciences and numerous related occupational fields may begin this bachelor's degree program at Cloud County Community College. STEM majors with bachelor's degrees enter an exciting, financially rewarding and emotionally satisfying profession. Today there is a high demand for STEM majors.

Contact: Dr. Craig Lamb
(785) 243-1435, ext 717
clamb@cloud.edu

Program Information: The Associate of Science degree prepares the student to continue study at a college or university in preparation for application to a physician assistant program. Most general education courses will be met, but further undergraduate work will be required prior to acceptance to a Baccalaureate of Science program. The following list represents a suggested guide toward a program of study and is intended to meet typical requirements of a transfer institution.

Recommended Course Sequence:

First Semester: SC131, SC120
Second Semester: SC132, SC121, MA111
Third Semester: SC128, BE122
Fourth Semester: SC110, SC103

Requirements: Depending on ACT scores and/or placement exams, students may be required to take developmental courses which may add to the length of study.

After Cloud: The physical science and chemistry courses are designed for students who intend to transfer to four-year colleges and universities to complete educational requirements necessary for careers as chemists, geologists, geophysicists, meteorologists, physicists, astronomers, and numerous related occupations. Physical science, biology, and chemistry courses are also a part of pre-professional programs, such as engineering, agriculture, medicine, nursing, and numerous health occupations.

Gainful Employment: This program results in an Associate of Science degree, which prepares students for further study at a four-year institution. Students who obtain a bachelor's degree in this field could apply these skills to health related careers such as Physician Assistant, Physical Therapists, Occupational Therapists, Pre-Medicine, Pre-Chiropractic, Pre-Dentistry and numerous related occupations. Entry-level employments in these fields are in the \$40,000 to \$60,000 range. Pre-health related degrees are also particularly well-suited to continuing education for the career of high school teacher (requires state certification) or STEM related professions (requires professional degree beyond the bachelor's degree).

Obtaining an Associate of Science degree with an emphasis in this area should allow a student to transfer into a four-year program. This degree is not specifically a "School to Work" or "Career Ready" program. Associate degrees would make students more competitive for most entry-level positions. Gainful employment data would be comparable to various entry level positions at/or above minimum wage values.

Transfer Institution Guide: A student who is interested in pursuing a baccalaureate degree should consult a CCCC advisor and the transfer guide and catalog of the four-year institution.

Minimum General Education Required Courses 32 cr

Communication Requirement 9

- CM101 English Composition I (3 cr)
- CM102 English Composition II (3 cr)
- CM115 Public Speaking (3 cr) or
- CM240 Interpersonal Communications (3 cr)

Humanities Requirement (2 areas required) 6

- | | |
|------------------|------------|
| Art | Humanities |
| Music | Literature |
| Theatre | Philosophy |
| Foreign Language | History |

Mathematics Requirement 3

- Mathematics General Education Course

Natural Science Requirement (2 areas required) 8-10

- Physical Science (4-5 cr)
- Biological Science (4-5 cr)

Social/Behavioral Science Requirement (2 areas required) 6

- | | |
|------------|-------------------|
| Economics | Anthropology |
| Psychology | Political Science |
| Sociology | Geography |

Elective Courses* 31 cr

- | | |
|-------------------------------------|---|
| BE122 Medical Office Vocabulary | 2 |
| MA111 College Algebra | 3 |
| SC103 Physical Science | 5 |
| SC110 Principles of Biology I | 5 |
| SC111 Microbiology Lecture | 3 |
| SC112 Microbiology Lab | 2 |
| SC120 Human Anatomy & Physiology I | 4 |
| SC121 Human Anatomy & Physiology II | 4 |
| SC128 Pathophysiology | 4 |
| SC131 Chemistry I | 5 |
| SC132 Chemistry II | 5 |

Credits Required 63

*All electives should be selected with assistance from an advisor. These options are general areas that will transfer to focused majors. Substitutions must be approved by the department chair.

Programs of Study

HEALTH PRE-PROFESSIONAL

PRE-PHYSICIAN ASSISTANT EMPHASIS

Associate of Science

Suggested Semester Guideline

Semester 1

CM 101	English Composition I	3 credit hours
	Humanities General Education	3 credit hours
SC 131	Chemistry I	5 credit hours
SC 120	Human Anatomy & Physiology I	<u>4 credit hours</u>
	Total:	15 credit hours

Semester 2

CM 102	English Composition II	3 credit hours
MA 111	College Algebra (or higher)*	3 credit hours
SC 132	Chemistry II	5 credit hours
SC 121	Human Anatomy & Physiology II	<u>4 credit hours</u>
	Total:	15 credit hours

Semester 3

BE 122	Medical Office Vocabulary	2 credit hours
SC 128	Pathophysiology	4 credit hours
	Science Elective Course	5 credit hours
	Humanities General Education	3 credit hours
	Social Science General Education	<u>3 credit hours</u>
	Total:	17 credit hours

Semester 4

SC 103	Physical Science	5 credit hours
SC 110	Principles of Biology I	5 credit hours
	Social Science General Education	3 credit hours
CM 115	Public Speaking	<u>3 credit hours</u>
	Total:	16 credit hours
		63 credit hours

*Students may choose which math sequence they need to take. Calculus is ultimately required before acceptance into the field.

Programs of Study

HEALTH PRE-PROFESSIONAL

PRE-NURSING BSN EMPHASIS

Associate of Science

Cloud County Community College has agreements with various Regents Universities across Kansas where students can take courses at CCCC for two years, then transfer into the university system the third year as juniors. Students who plan to major in health sciences and numerous related occupational fields may begin this bachelor's degree program at Cloud County Community College. STEM majors with bachelor's degrees enter an exciting, financially rewarding and emotionally satisfying profession. Today there is a high demand for STEM majors.

*All electives should be selected with assistance from an advisor. These options are general areas that will transfer to focused majors. Substitutions must be approved by the department chair.

Contact: Dr. Craig Lamb
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Program Information: The Associate of Science degree prepares the student to continue study at a college or university in preparation for application to a Baccalaureate of Science Program in Nursing. Most general education courses will be met, but further undergraduate work will be required prior to acceptance to a Baccalaureate of Science program. The following list represents a suggested guide toward a program of study and is intended to meet typical requirements of a transfer institution.

Recommended Course Sequence:

First Semester: SC120, MA111, SS101

Second Semester: SC121, SC110

Third Semester: SS105, BE122, SC111, SC112

Fourth Semester: MA114, SC128, SC131, SS130

Requirements: Depending on ACT scores and/or placement exams, students may be required to take developmental courses which may add to the length of study.

After Cloud: The physical science and chemistry courses are designed for students who intend to transfer to four-year colleges and universities to complete educational requirements necessary for careers as nurses and numerous health related occupations. Physical science, biology, and chemistry courses are also a part of pre-professional programs, such as engineering, agriculture, medicine, nursing, and numerous health occupations.

Gainful Employment: This program results in an Associate of Science degree, which prepares students for further study at a four-year institution. Students who obtain a bachelor's degree in this field could apply these skills to health related careers such as nursing and numerous related occupations. Entry-level employments in these fields are in the \$40,000 to \$60,000 range.

Obtaining an Associate of Science degree with an emphasis in this area should allow a student to transfer into a four-year program. This degree is not specifically a "School to Work" or "Career Ready" program. Associate degrees would make students more competitive for most entry-level positions. Gainful employment data would be comparable to various entry level positions at/or above minimum wage values.

Transfer Institution Guide: A student who is interested in pursuing a baccalaureate degree should consult a CCCC advisor and the transfer guide and catalog of the four-year institution.

Minimum General Education Required Courses 34 cr

Communication Requirement 9

- CM101 English Composition I (3 cr)
- CM102 English Composition II (3 cr)
- CM115 Public Speaking (3 cr) or
- CM240 Interpersonal Communications (3 cr)

Humanities Requirement (2 areas required) 6

- | | |
|------------------|------------|
| Art | Humanities |
| Music | Literature |
| Theatre | Philosophy |
| Foreign Language | History |

Mathematics Requirement 3

- Mathematics General Education Course
- MA111 College Algebra (3 cr) (suggested)

Natural Science Requirement (2 areas required) 8-10

- Physical Science (4-5 cr)
- SC131 Chemistry I (5 cr) (suggested)
- Biological Science (4-5 cr)
- SC110 Principles of Biology I (5 cr) (suggested)

Social/Behavioral Science Requirement (2 areas required) 6

- Economics
- Anthropology
- Psychology - SS101 General Psychology (3 cr) (suggested)
- Political Science
- Sociology - SS130 Intro to Sociology (3 cr) (suggested)
- Geography

Elective Courses* 31 cr

- | | |
|-------------------------------------|---|
| BE122 Medical Office Vocabulary | 2 |
| HE124 Nutrition | 3 |
| MA114 Elementary Statistics | 3 |
| SC110 Principles of Biology | 5 |
| SC111 Microbiology Lecture | 3 |
| SC112 Microbiology Lab | 2 |
| SC120 Human Anatomy & Physiology I | 4 |
| SC121 Human Anatomy & Physiology II | 4 |
| SC128 Pathophysiology | 4 |
| SC131 Chemistry I | 5 |
| SC132 Chemistry II | 5 |
| SS102 Abnormal Psychology | 3 |
| SS105 Human Growth & Development | 3 |

Credits Required 65

Programs of Study

HEALTH PRE-PROFESSIONAL

PRE-NURSING BSN EMPHASIS

Associate of Science

Suggested Semester Guideline

Semester 1

CM 101	English Composition I	3 credit hours
SS 101	General Psychology	3 credit hours
MA 111	College Algebra (or higher)	3 credit hours
SC 120	Human Anatomy and Physiology I	4 credit hours
HE 124	Nutrition	<u>3 credit hours</u>
	Total:	16 credit hours

Semester 2

CM 102	English Composition II	3 credit hours
SC 110	Principles of Biology I	5 credit hours
SC 121	Human Anatomy and Physiology II	4 credit hours
	Humanities General Education	<u>3 credit hours</u>
	Total:	15 credit hours

Semester 3

SC 111	Microbiology Lecture	3 credit hours
SC 112	Microbiology Lab	2 credit hours
SS 105	Human Growth and Development	3 credit hours
	Humanities General Education	3 credit hours
SS 125	Introduction to Cultural Anthropology	3 credit hours
BE122	Medical Office Vocabulary	<u>2 credit hours</u>
	Total:	16 credit hours

Semester 4

CM 115	Public Speaking	3 credit hours
SC 128	Pathophysiology	4 credit hours
SC 131	Chemistry I	5 credit hours
MA 114	Elementary Statistics	3 credit hours
SS 130	Introduction to Sociology	<u>3 credit hours</u>
	Total:	18 credit hours
		65 credit hours

Programs of Study

HEALTH PRE-PROFESSIONAL

PRE-DENTAL HYGIENE EMPHASIS

Associate of Science

Cloud County Community College has agreements with various Regents Universities across Kansas where students can take courses at CCCC for two years, then transfer into the university system the third year as juniors. Students who plan to major in health sciences and numerous related occupational fields may begin this bachelor's degree program at Cloud County Community College. STEM majors with bachelor's degrees enter an exciting, financially rewarding and emotionally satisfying profession. Today there is a high demand for STEM majors.

Contact: Dr. Craig Lamb
(785) 243-1435, ext 717
clamb@cloud.edu

Program Information: The Associate of Science degree prepares the student to continue study at a college or university in preparation for application to a dental hygiene bachelor's program. Most general education courses will be met, but further undergraduate work will be required prior to acceptance to a dental hygiene bachelor's program. The following list represents a suggested guide toward a program of study and is intended to meet typical requirements of a transfer institution. The program may be modified to reflect student interests and/or the requirements of a particular transfer institution.

Recommended Course Sequence:

First Semester: SC131, SC120,
Second Semester: SC110, SC121
Third Semester: SC111, SC112, HE124
Fourth Semester: SC128, BE170, BE122

Requirements: Depending on ACT scores and/or placement exams, students may be required to take developmental courses which may add to the length of study.

After Cloud: The physical science and chemistry courses are designed for students who intend to transfer to four-year colleges and universities to complete educational requirements necessary for careers as chemists, geologists, geophysicists, meteorologists, physicists, astronomers, and numerous related occupations. Physical science, biology, and chemistry courses are also a part of pre-professional programs, such as engineering, agriculture, medicine, nursing, and numerous health occupations.

Gainful Employment: This program results in an Associate of Science degree, which prepares students for further study at a four-year institution. Students who obtain a bachelor's degree in this field could apply these skills to health related careers such as Physical Therapists, Occupational Therapists, Pre-Medicine, Pre-Chiropractic, Pre-Dentistry and numerous related occupations. Entry-level employments in these fields are in the \$30,000 to \$50,000 range. Pre-health related degrees are also particularly well-suited to continuing education for the career of high school teacher (requires state certification) or STEM related professions (requires professional degree beyond the bachelor's degree).

Obtaining an Associate of Science degree with an emphasis in this area should allow a student to transfer into a four-year program. This degree is not specifically a "School to Work" or "Career Ready" program. Associate degrees would make students more competitive for most entry-level positions. Gainful employment data would be comparable to various entry level positions at/or above minimum wage values.

Transfer Institution Guide: A student who is interested in pursuing a baccalaureate degree should consult a CCCC advisor and the transfer guide and catalog of the four-year institution.

Minimum General Education Required Courses 32 cr

Communication Requirement 9

- CM101 English Composition I (3 cr)
- CM102 English Composition II (3 cr)
- CM115 Public Speaking (3 cr) or
- CM240 Interpersonal Communications (3 cr)

Humanities Requirement (2 areas required) 6

- | | |
|------------------|------------|
| Art | Humanities |
| Music | Literature |
| Theatre | Philosophy |
| Foreign Language | History |

Mathematics Requirement 3

- Mathematics General Education Course

Natural Science Requirement (2 areas required) 8-10

- Physical Science (4-5 cr)
- Biological Science (4-5 cr)

Social/Behavioral Science Requirement (2 areas required) 6

- | | |
|------------|-------------------|
| Economics | Anthropology |
| Psychology | Political Science |
| Sociology | Geography |

Elective Courses* 30 cr

- | | |
|-------------------------------------|---|
| BE122 Medical Office Vocabulary | 2 |
| BE170 Business Statistics | 3 |
| HE124 Nutrition | 3 |
| SC101 General Biology | 4 |
| SC110 Principles of Biology I | 5 |
| SC111 Microbiology Lecture | 3 |
| SC112 Microbiology Lab | 2 |
| SC120 Human Anatomy & Physiology I | 4 |
| SC121 Human Anatomy & Physiology II | 4 |
| SC128 Pathophysiology | 4 |
| SC130 General Chemistry | 5 |
| SC131 Chemistry I | 5 |
| SC132 Chemistry II | 5 |

Credits Required 62

*All electives should be selected with assistance from an advisor. These options are general areas that will transfer to focused majors. Substitutions must be approved by the department chair.

Programs of Study

HEALTH PRE-PROFESSIONAL

PRE-DENTAL HYGIENE EMPHASIS

Associate of Science

Suggested Semester Guideline

Semester 1

CM 101	English Composition I	3 credit hours
	Humanities General Education	3 credit hours
SC 131	Chemistry I	5 credit hours
SC 120	Human Anatomy & Physiology I	<u>4 credit hours</u>
	Total:	15 credit hours

Semester 2

CM 102	English Composition II	3 credit hours
MA 111	College Algebra (or higher)*	3 credit hours
SC 110	Principles of Biology I	5 credit hours
SC 121	Human Anatomy & Physiology II	<u>4 credit hours</u>
	Total:	15 credit hours

Semester 3

HE 124	Nutrition	3 credit hours
SC 111	Microbiology	3 credit hours
SC 112	Microbiology Lab	2 credit hours
	General Science Elective	3 credit hours
	Humanities General Education	3 credit hours
	Social Science General Education	<u>3 credit hours</u>
	Total:	17 credit hours

Semester 4

BE 122	Medical Office Vocabulary	2 credit hours
BE 170	Business Statistics	3 credit hours
SC 128	Pathophysiology	4 credit hours
	Social Science General Education	3 credit hours
CM 115	Public Speaking	<u>3 credit hours</u>
	Total:	15 credit hours
		62 credit hours

*Students may choose which math sequence they need to take. Calculus is ultimately required before acceptance into the field.

Programs of Study

HEALTH PRE-PROFESSIONAL

PRE-RADIOLOGY TECHNOLOGY EMPHASIS

Associate of Science

Cloud County Community College has agreements with various Regents Universities across Kansas where students can take courses at CCCC for two years, then transfer into the university system the third year as juniors. Students who plan to major in health sciences and numerous related occupational fields may begin this bachelor's degree program at Cloud County Community College. STEM majors with bachelor's degrees enter an exciting, financially rewarding and emotionally satisfying profession. Today there is a high demand for STEM majors.

Contact: Dr. Craig Lamb
(785) 243-1435, ext 717
clamb@cloud.edu

Program Information: The Associate of Science degree prepares the student to continue study at a college or university in preparation for application to a Baccalaureate of Science Program in radiology technology. Most general education courses will be met, but further undergraduate work will be required prior to acceptance to a Baccalaureate of Science Program in radiology technology. The following list represents a suggested guide toward a program of study and is intended to meet typical requirements of a transfer institution. The program may be modified to reflect student interests and/or the requirements of a particular transfer institution.

Recommended Course Sequence:

First Semester: SC131, SC120,
Second Semester: SC132, SC121, MA111
Third Semester: SC128, BE122
Fourth Semester: SC110, SC103

Requirements: Depending on ACT scores and/or placement exams, students may be required to take developmental courses which may add to the length of study.

After Cloud: The physical science and chemistry courses are designed for students who intend to transfer to four-year colleges and universities to complete educational requirements necessary for careers as chemists, geologists, geophysicists, meteorologists, physicists, astronomers, and numerous related occupations. Physical science, biology, and chemistry courses are also a part of pre-professional programs, such as engineering, agriculture, medicine, nursing, and numerous health occupations.

Gainful Employment: This program results in an Associate of Science degree, which prepares students for further study at a four-year institution. Students who obtain a bachelor's degree in this field could apply these skills to health related careers such as Physical Therapists, Occupational Therapists, Pre-Medicine, Pre-Chiropractic, Pre-Dentistry and numerous related occupations. Entry-level employments in these fields are in the \$40,000 to \$60,000 range. Pre-health related degrees are also particularly well-suited to continuing education for the career of high school teacher (requires state certification) or STEM related professions (requires professional degree beyond the bachelor's degree).

Obtaining an Associate of Science degree with an emphasis in this area should allow a student to transfer into a four-year program. This degree is not specifically a "School to Work" or "Career Ready" program. Associate degrees would make students more competitive for most entry-level positions. Gainful employment data would be comparable to various entry level positions at/or above minimum wage values.

Transfer Institution Guide: A student who is interested in pursuing a baccalaureate degree should consult a CCCC advisor and the transfer guide and catalog of the four-year institution.

Minimum General Education Required Courses 32 cr

Communication Requirement 9

- CM101 English Composition I (3 cr)
- CM102 English Composition II (3 cr)
- CM115 Public Speaking (3 cr) or
- CM240 Interpersonal Communications (3 cr)

Humanities Requirement (2 areas required) 6

- Art Humanities
- Music Literature
- Theatre Philosophy
- Foreign Language History

Mathematics Requirement 3

- Mathematics General Education Course

Natural Science Requirement (2 areas required) 8-10

- Physical Science (4-5 cr)
- Biological Science (4-5 cr)

Social/Behavioral Science Requirement (2 areas required) 6

- Economics Anthropology
- Psychology Political Science
- Sociology Geography

Elective Courses* 32 cr

- BE122 Medical Office Vocabulary 2
- MA111 College Algebra 3
- SC103 Physical Science 5
- SC110 Principles of Biology I 5
- SC111 Microbiology Lecture 3
- SC112 Microbiology Lab 2
- SC120 Human Anatomy & Physiology I 4
- SC121 Human Anatomy & Physiology II 4
- SC128 Pathophysiology 4
- SC131 Chemistry I 5
- SC132 Chemistry II 5

Credits Required 64

*All electives should be selected with assistance from an advisor. These options are general areas that will transfer to focused majors. Substitutions must be approved by the department chair.

Programs of Study

HEALTH PRE-PROFESSIONAL

PRE-RADIOLOGY TECHNOLOGY EMPHASIS

Associate of Science

Suggested Semester Guideline

Semester 1

CM 101	English Composition I	3 credit hours
	Humanities General Education	3 credit hours
SC 131	Chemistry I	5 credit hours
SC 120	Human Anatomy & Physiology I	<u>4 credit hours</u>
	Total:	15 credit hours

Semester 2

CM 102	English Composition II	3 credit hours
MA 111	College Algebra (or higher)*	3 credit hours
SC 132	Chemistry II	5 credit hours
SC 121	Human Anatomy & Physiology II	<u>4 credit hours</u>
	Total:	15 credit hours

Semester 3

BE 122	Medical Office Vocabulary	2 credit hours
SC 128	Pathophysiology	4 credit hours
	Science Elective Course	5 credit hours
	Humanities General Education	3 credit hours
	Social Science General Education	<u>3 credit hours</u>
	Total:	17 credit hours

Semester 4

SC 103	Physical Science	5 credit hours
SC 110	Principles of Biology I	5 credit hours
	Social Science General Education	3 credit hours
CM 115	Public Speaking	<u>3 credit hours</u>
	Total:	16 credit hours
		63 credit hours

*Students may choose which math sequence they need to take. Calculus is ultimately required before acceptance into the field.

Programs of Study

HEALTH PRE-PROFESSIONAL

PRE-PHYSICAL THERAPY EMPHASIS

Associate of Science

Cloud County Community College has agreements with various Regents Universities across Kansas where students can take courses at CCCC for two years, then transfer into the university system the third year as juniors. Students who plan to major in health sciences and numerous related occupational fields may begin this bachelor's degree program at Cloud County Community College. STEM majors with bachelor's degrees enter an exciting, financially rewarding and emotionally satisfying profession. Today there is a high demand for STEM majors.

Contact: Dr. Craig Lamb
(785) 243-1435, ext 717
clamb@cloud.edu

Program Information: The Associate of Science degree prepares the student to continue study at a college or university in preparation for application to a physical therapy program. Most general education courses will be met, but further undergraduate work will be required prior to acceptance to a physical therapy program. The following list represents a suggested guide toward a program of study and is intended to meet typical requirements of a transfer institution. The program may be modified to reflect student interests and/or the requirements of a particular transfer institution.

Recommended Course Sequence:

First Semester: SC131, SC110, MA111
Second Semester: SC132, MA112
Third Semester: SC134, SC140/SC142, SC120
Fourth Semester: SC135, SC141/SC143, SC121

Requirements: Depending on ACT scores and/or placement exams, students may be required to take developmental courses which may add to the length of study.

After Cloud: The physical science, biology, and chemistry courses are designed for students who intend to transfer to four-year colleges and universities to complete educational requirements necessary for careers as chemists, geologists, geophysicists, meteorologists, physicists, astronomers, and numerous related occupations. Physical science and chemistry courses are also a part of pre-professional programs, such as engineering, agriculture, medicine, nursing, and numerous health occupations.

Gainful Employment: This program results in an Associate of Science degree, which prepares students for further study at a four-year institution. Students who obtain a bachelor's degree in this field could apply these skills to health related careers such as Physical Therapists, Occupational Therapists, Pre-Medicine, Pre-Chiropractic, Pre-Dentistry and numerous related occupations. Entry-level employments in these fields are in the \$70,000 to \$100,000 range. Pre-health related degrees are also particularly well-suited to continuing education for the career of high school teacher (requires state certification) or STEM related professions (requires professional degree beyond the bachelor's degree).

Obtaining an Associate of Science degree with an emphasis in this area should allow a student to transfer into a four-year program. This degree is not specifically a "School to Work" or "Career Ready" program. Associate degrees would make students more competitive for most entry-level positions. Gainful Employment Data would be comparable to various entry level positions at/or above minimum wage values.

Transfer Institution Guide: A student who is interested in pursuing a baccalaureate degree should consult a CCCC advisor and the transfer guide and catalog of the four-year institution.

Minimum General Education Required Courses 32 cr

Communication Requirement 9

- CM101 English Composition I (3 cr)
- CM102 English Composition II (3 cr)
- CM115 Public Speaking (3 cr) or
- CM240 Interpersonal Communications (3 cr)

Humanities Requirement (2 areas required) 6

- | | |
|------------------|------------|
| Art | Humanities |
| Music | Literature |
| Theatre | Philosophy |
| Foreign Language | History |

Mathematics Requirement 3

- Mathematics General Education Course

Natural Science Requirement (2 areas required) 8-10

- Physical Science (4-5 cr)
- Biological Science (4-5 cr)

Social/Behavioral Science Requirement (2 areas required) 6

- | | |
|------------|-------------------|
| Economics | Anthropology |
| Psychology | Political Science |
| Sociology | Geography |

Elective Courses* 32 cr

- | | |
|---|---|
| MA111 College Algebra | 3 |
| MA112 Trigonometry | 3 |
| MA115 Linear Algebra and General Calculus | 3 |
| SC110 Principles of Biology I | 5 |
| SC111 Microbiology Lecture | 3 |
| SC112 Microbiology Lab | 2 |
| SC120 Human Anatomy & Physiology I | 4 |
| SC121 Human Anatomy & Physiology II | 4 |
| SC128 Pathophysiology | 4 |
| SC131 Chemistry I | 5 |
| SC132 Chemistry II | 5 |
| SC134 Organic Chemistry I | 5 |
| SC135 Organic Chemistry II | 5 |
| SC140 College Physics I or | |
| SC142 University Physics I | 5 |
| SC141 College Physics II or | |
| SC143 University Physics II | 5 |

Credits Required 64

*All electives should be selected with assistance from an advisor. These options are general areas that will transfer to focused majors. Substitutions must be approved by the department chair.

Programs of Study

HEALTH PRE-PROFESSIONAL

PRE-PHYSICAL THERAPY EMPHASIS

Associate of Science

Suggested Semester Guideline

Semester 1

CM 101	English Composition I	3 credit hours
MA 111	College Algebra (or higher)	3 credit hours
SC 131	Chemistry I	5 credit hours
SC 110	Principles of Biology I	<u>5 credit hours</u>
	Total:	16 credit hours

Semester 2

CM 102	English Composition II	3 credit hours
MA 112	Trigonometry	3 credit hours
SC 132	Chemistry II	5 credit hours
	Social Science General Education	3 credit hours
	Humanities General Education	<u>3 credit hours</u>
	Total:	17 credit hours

Semester 3

SC 134	Organic Chemistry I*	5 credit hours
SC 140	College Physics Elective*	5 credit hours
SC 120	Human Anatomy & Physiology I*	4 credit hours
	Social Science General Education	<u>3 credit hours</u>
	Total:	17 credit hours

Semester 4

SC 135	Organic Chemistry II*	5 credit hours
SC 141	College Physics II*	5 credit hours
SC 121	Human Anatomy & Physiology II*	4 credit hours
	Humanities General Education	3 credit hours
CM 115	Public Speaking	<u>3 credit hours</u>
	Total:	15-20 credit hours* 64 credit hours

*Students may choose which path they want to take. All three sequences of courses are ultimately required before acceptance into the field.

Programs of Study

HEALTH PRE-PROFESSIONAL

PRE-OCCUPATIONAL THERAPY EMPHASIS

Associate of Science

Cloud County Community College has agreements with various Regents Universities across Kansas where students can take courses at CCCC for two years, then transfer into the university system the third year as juniors. Students who plan to major in health sciences and numerous related occupational fields may begin this bachelor's degree program at Cloud County Community College. STEM majors with bachelor's degrees enter an exciting, financially rewarding and emotionally satisfying profession. Today there is a high demand for STEM majors.

Contact: Dr. Craig Lamb
(785) 243-1435, ext 717
clamb@cloud.edu

Program Information: The Associate of Science degree prepares the student to continue study at a college or university in preparation for application to an occupational therapy program. Most general education courses will be met, but further undergraduate work will be required prior to acceptance to an occupational therapy program. The following list represents a suggested guide toward a program of study and is intended to meet typical requirements of a transfer institution. The program may be modified to reflect student interests and/or the requirements of a particular transfer institution.

Recommended Course Sequence:

First Semester: MA111, SC131, SC110

Second Semester: SC132, MA112

Third Semester: SC134, SC140/SC142, SC120

Fourth Semester: SC135, SC141/SC143, SC121

Requirements: Depending on ACT scores and/or placement exams, students may be required to take developmental courses which may add to the length of study.

After Cloud: The physical science and chemistry courses are designed for students who intend to transfer to four-year colleges and universities to complete educational requirements necessary for careers as chemists, geologists, geophysicists, meteorologists, physicists, astronomers, and numerous related occupations. Physical science, biology, and chemistry courses are also a part of pre-professional programs, such as engineering, agriculture, medicine, nursing, and numerous health occupations.

Gainful Employment: This program results in an Associate of Science degree, which prepares students for further study at a four-year institution. Students who obtain a bachelor's degree in this field could apply these skills to health related careers such as Physical Therapists, Occupational Therapists, Pre-Medicine, Pre-Chiropractic, Pre-Dentistry and numerous related occupations. Entry-level employments in these fields are in the \$70,000 to \$100,000 range. Pre-health related degrees are also particularly well-suited to continuing education for the career of high school teacher (requires state certification) or STEM related professions (requires professional degree beyond the bachelor's degree).

Obtaining an Associate of Science degree with an emphasis in this area should allow a student to transfer into a four-year program. This degree is not specifically a "School to Work" or "Career Ready" program. Associate degrees would make students more competitive for most entry-level positions. Gainful employment data would be comparable to various entry level positions at/or above minimum wage values.

Transfer Institution Guide: A student who is interested in pursuing a baccalaureate degree should consult a CCCC advisor and the transfer guide and catalog of the four-year institution.

Minimum General Education Required Courses 32 cr

Communication Requirement 9

- CM101 English Composition I (3 cr)
- CM102 English Composition II (3 cr)
- CM115 Public Speaking (3 cr) or
- CM240 Interpersonal Communications (3 cr)

Humanities Requirement (2 areas required) 6

- Art Humanities
- Music Literature
- Theatre Philosophy
- Foreign Language History

Mathematics Requirement 3

- Mathematics General Education Course

Natural Science Requirement (2 areas required) 8-10

- Physical Science (4-5 cr)
- Biological Science (4-5 cr)

Social/Behavioral Science Requirement (2 areas required) 6

- Economics Anthropology
- Psychology Political Science
- Sociology Geography

Elective Courses* 32 cr

- MA111 College Algebra 3
- MA112 Trigonometry 3
- SC110 Principles of Biology I 5
- SC111 Microbiology Lecture 3
- SC112 Microbiology Lab 2
- SC120 Human Anatomy & Physiology I 4
- SC121 Human Anatomy & Physiology II 4
- SC131 Chemistry I 5
- SC132 Chemistry II 5
- SC134 Organic Chemistry I 5
- SC140 College Physics I or
- SC142 University Physics I 5
- SC141 College Physics II or
- SC143 University Physics II 5

Credits Required 64

*All electives should be selected with assistance from an advisor. These options are general areas that will transfer to focused majors. Substitutions must be approved by the department chair.

Programs of Study

HEALTH PRE-PROFESSIONAL

PRE-OCCUPATIONAL THERAPY EMPHASIS

Associate of Science

Suggested Semester Guideline

Semester 1

CM 101	English Composition I	3 credit hours
MA 111	College Algebra (or higher)	3 credit hours
SC 131	Chemistry I	5 credit hours
SC 110	Principles of Biology I	<u>5 credit hours</u>
	Total:	16 credit hours

Semester 2

CM 102	English Composition II	3 credit hours
MA 112	Trigonometry	3 credit hours
SC 132	Chemistry II	5 credit hours
	Social Science General Education	3 credit hours
	Humanities General Education	<u>3 credit hours</u>
	Total:	17 credit hours

Semester 3

SC 134	Organic Chemistry I*	5 credit hours
SC 140	College Physics Elective*	5 credit hours
SC 120	Human Anatomy & Physiology I*	4 credit hours
	Social Science General Education	<u>3 credit hours</u>
	Total:	17 credit hours

Semester 4

SC 135	Organic Chemistry II*	5 credit hours
SC 141	College Physics II*	5 credit hours
SC 121	Human Anatomy & Physiology II*	4 credit hours
	Humanities General Education	3 credit hours
CM 115	Public Speaking	<u>3 credit hours</u>
	Total:	15-20 credit hours* 64 credit hours

*Students may choose which path they want to take. All three sequences of courses are ultimately required before acceptance into the field.

Programs of Study

HEALTH PRE-PROFESSIONAL

PRE-RESPIRATORY THERAPY EMPHASIS

Associate of Science

Cloud County Community College has agreements with various Regents Universities across Kansas where students can take courses at CCCC for two years, then transfer into the university system the third year as juniors. Students who plan to major in health sciences and numerous related occupational fields may begin this bachelor's degree program at Cloud County Community College. STEM majors with bachelor's degrees enter an exciting, financially rewarding and emotionally satisfying profession. Today there is a high demand for STEM majors.

Contact: Dr. Craig Lamb
(785) 243-1435, ext 717
clamb@cloud.edu

Minimum General Education Required Courses 32 cr

Communication Requirement 9

- CM101 English Composition I (3 cr)
- CM102 English Composition II (3 cr)
- CM115 Public Speaking (3 cr) or
- CM240 Interpersonal Communications (3 cr)

Humanities Requirement (2 areas required) 6

- Art Humanities
- Music Literature
- Theatre Philosophy
- Foreign Language History

Mathematics Requirement 3

- Mathematics General Education Course

Natural Science Requirement (2 areas required) 8-10

- Physical Science (4-5 cr)
- Biological Science (4-5 cr)

Social/Behavioral Science Requirement (2 areas required) 6

- Economics Anthropology
- Psychology Political Science
- Sociology Geography

Elective Courses* 31 cr

- BE122 Medical Office Vocabulary 2
- PE131 First Aid & Safety 3
- MA111 College Algebra 3
- MA112 Trigonometry 3
- SC110 Principles of Biology I 5
- SC111 Microbiology Lecture 3
- SC112 Microbiology Lab 2
- SC120 Human Anatomy & Physiology I 4
- SC121 Human Anatomy & Physiology II 4
- SC128 Pathophysiology 4
- SC131 Chemistry I 5
- SC132 Chemistry II 5
- SC140 College Physics I 5
- SC141 College Physics II 5

Credits Required 63

*All electives should be selected with assistance from an advisor. These options are general areas that will transfer to focused majors. Substitutions must be approved by the department chair.

Program Information: The Associate of Science degree prepares the student to continue study at a college or university in preparation for application to a respiratory therapy bachelor's degree program. Most general education courses will be met, but further undergraduate work will be required prior to acceptance to a respiratory therapy bachelor's degree program. The following list represents a suggested guide toward a program of study and is intended to meet typical requirements of a transfer institution. The program may be modified to reflect student interests and/or the requirements of a particular transfer institution.

Recommended Course Sequence:

- First Semester: SC131, SC120, MA111
- Second Semester: SC132, SC121, MA112
- Third Semester: SC111, SC112, SC140
- Fourth Semester: BE122, SC128, SC141

Requirements: Depending on ACT scores and/or placement exams, students may be required to take developmental courses which may add to the length of study.

After Cloud: The physical science, biology, and chemistry courses are designed for students who intend to transfer to four-year colleges and universities to complete educational requirements necessary for careers as chemists, geologists, geophysicists, meteorologists, physicists, astronomers, and numerous related occupations. Physical science and chemistry courses are also a part of pre-professional programs, such as engineering, agriculture, medicine, nursing, and numerous health occupations.

Gainful Employment: This program results in an Associate of Science degree, which prepares students for further study at a four-year institution. Students who obtain a bachelor's degree in this field could apply these skills to health related careers such as Physical Therapists, Occupational Therapists, Pre-Medicine, Pre-Chiropractic, Pre-Dentistry and numerous related occupations. Entry-level employments in these fields are in the \$70,000 to \$100,000 range. Pre-health related degrees are also particularly well-suited to continuing education for the career of high school teacher (requires state certification) or STEM related professions (requires professional degree beyond the bachelor's degree).

Obtaining an Associate of Science degree with an emphasis in this area should allow a student to transfer into a four-year program. This degree is not specifically a "School to Work" or "Career Ready" program. Associate degrees would make students more competitive for most entry-level positions. Gainful employment data would be comparable to various entry level positions at/or above minimum wage values.

Transfer Institution Guide: A student who is interested in pursuing a baccalaureate degree should consult a CCCC advisor and the transfer guide and catalog of the four-year institution.

Programs of Study

HEALTH PRE-PROFESSIONAL

PRE-RESPIRATORY THERAPY EMPHASIS

Associate of Science

Suggested Semester Guideline

Semester 1

CM 101	English Composition I	3 credit hours
MA 111	College Algebra (or higher)*	3 credit hours
SC 131	Chemistry I	5 credit hours
SC 120	Human Anatomy and Physiology I	<u>4 credit hours</u>
Total:		15 credit hours

Semester 2

CM 102	English Composition II	3 credit hours
	Humanities General Education	3 credit hours
SC 132	Chemistry II	5 credit hours
SC 121	Human Anatomy and Physiology II	<u>4 credit hours</u>
Total:		15 credit hours

Semester 3

SC 111	Microbiology	3 credit hours
SC 112	Microbiology Lab	2 credit hours
SC 140	College Physics I	5 credit hours
	Social Science General Education	3 credit hours
	Humanities General Education	<u>3 credit hours</u>
Total:		16 credit hours

Semester 4

BE 122	Medical Office Vocabulary	2 credit hours
CM 115	Public Speaking	3 credit hours
	Social Science General Education	3 credit hours
SC 128	Pathophysiology	4 credit hours
SC 141	College Physics II	<u>5 credit hours</u>
Total:		17 credit hours
		63 credit hours

*Students may choose which math sequences of courses they need to take. Trigonometry background is needed for College Physics.

Programs of Study

MATH, SCIENCE, AND ENGINEERING

ENGINEERING EMPHASIS

Associate of Science

Cloud County Community College has agreements with the Regents Universities of Kansas, College of Engineering, in which students can take courses at CCCC for two years, then transfer into the university system the third year classified as juniors. Students who plan to major in agricultural, civil, electrical, industrial, and mechanical engineering may begin this bachelor's degree program at Cloud County Community College.

Contact: Dr. Craig Lamb
(785) 243-1435, ext 717
clamb@cloud.edu

Minimum General Education Required Courses 32 cr

Communication Requirement 9

- CM101 English Composition I (3 cr)
- CM102 English Composition II (3 cr)
- CM115 Public Speaking (3 cr) or
- CM240 Interpersonal Communications (3 cr)

Humanities Requirement (2 areas required) 6

- Art Humanities
- Music Literature
- Theatre Philosophy
- Foreign Language History

Mathematics Requirement 3

Mathematics General Education Course

Natural Science Requirement (2 areas required) 8-10

- Physical Science (4-5 cr)
- **Biological Science (4-5 cr)

Social/Behavioral Science Requirement (2 areas required) 6

- Economics Anthropology
- Psychology Political Science
- Sociology Geography

Elective Courses* 33 cr

- MA120 Analytic Geometry & Calculus I 5
- MA121 Analytic Geometry & Calculus II 5
- MA122 Analytic Geometry & Calculus III 5
- MA123 Differential Equations 4
- SC131 Chemistry I 5
- SC132 Chemistry II 5
- SC134 Organic Chemistry I 5
- SC135 Organic Chemistry II 5
- SC140 College Physics I 5
- SC141 College Physics II 5
- SC142 University Physics I 5
- SC143 University Physics II 5

Credits Required 65

*All electives should be selected with assistance from an advisor. These options are general areas that will transfer to focused majors. Substitutions must be approved by the department chair.

**General/Principles of Biology is waived as a CCCC general education requirement unless the transfer institution's degree program requires it. An engineering advisor will help you determine the programs that require a biological science as a prerequisite course. If the biological science requirement is waived, a minimum of three hours of elective credit must be taken. An engineering advisor will help you select an appropriate elective course.

Program Information: The Associates of Science Degree with an emphasis in Engineering is designed to enable student to transfer into a variety of engineering programs at K-State, KU, or WSU, and other programs across the Midwest. The following list represents a suggested guide toward a program of study and is intended to meet typical requirements of a transfer institution.

Recommended Course Sequence:

First Semester: MA120, SC131
Second Semester: MA121, SC132
Third Semester: MA122, SC140 or SC142
Fourth Semester: MA123, SC141 or SC143

Requirements: Depending on ACT scores and/or placement exams, students may be required to take developmental courses which may add to the length of study.

After Cloud: The physical science and chemistry courses are designed for students who intend to transfer to four-year colleges and universities to complete educational requirements necessary for careers as engineers, chemists, geologists, geophysicists, meteorologists, physicists, astronomers, and numerous related occupations. Physical science and chemistry courses are also part of pre-professional programs, such as engineering, agriculture, medicine, nursing and numerous health occupations.

Gainful Employment: This program results in an Associate of Science degree which prepares students for further study at a four-year institution. Students who obtain a bachelor's degree in this field could apply these skills to careers such as engineers, chemists, geologists, geophysicists, meteorologists, physicists, astronomers, and numerous related occupations. Entry-level employment in these fields are in the \$45,000 to \$60,000 range. STEM degrees are also particularly well-suited to continuing education for the career of high school teacher (requires state certification) or health related professions (requires professional degree beyond the bachelor's degree).

Obtaining an Associate of Science degree in one of these areas should allow a student to transfer into a four-year baccalaureate program. None of these are specifically a "School to Work" or "Career Ready" program. Associate degrees would make students more competitive for most entry level positions. Gainful employment data would be comparable to various entry level positions at/or above minimum wage values.

Transfer Institution Guide: A student who is interested in pursuing a baccalaureate degree should consult a CCCC advisor and the transfer guide and catalog of the four-year institution.

Programs of Study

MATH, SCIENCE, AND ENGINEERING

ENGINEERING EMPHASIS

Associate of Science

Suggested Semester Guideline

Semester 1

MA 120	Analytic Geometry and Calculus I	5 credit hours
CM 101	English Composition I	3 credit hours
	Humanities General Education	3 credit hours
SC 131	Chemistry I	<u>5 credit hours</u>
	Total:	16 credit hours

Semester 2

MA 121	Analytic Geometry and Calculus II	5 credit hours
CM 102	English Composition II	3 credit hours
EC 101	Economics I	3 credit hours
SC 132	Chemistry II	<u>5 credit hours</u>
	Total:	16 credit hours

Semester 3

MA 122	Analytic Geometry and Calculus III	5 credit hours
SC 142	University Physics I	5 credit hours
CM 115	Public Speaking	3 credit hours
	Social Science General Education	<u>3 credit hours</u>
	Total:	16 credit hours

Semester 4

MA 123	Differential Equations	4 credit hours
SC 143	University Physics II	5 credit hours
SC 110	Principles of Biology I*	5 credit hours
	Humanities General Education	<u>3 credit hours</u>
	Total:	17 credit hours
		65 credit hours

*General/Principles of Biology is waived as a CCCC general education requirement unless the transfer institution's degree program requires it. An engineering advisor will help you determine the programs that require a biological science as a prerequisite course. If the biological science requirement is waived, a minimum of three hours of elective credit must be taken. An engineering advisor will help you select an appropriate elective course.

Programs of Study

MATH, SCIENCE, AND ENGINEERING

ENGINEERING TECHNOLOGY EMPHASIS

Associate of Science

Cloud County Community College has agreements with the Regents Universities of Kansas, College of Engineering, in which students can take courses at CCCC for two years, then transfer into the university system the third year classified as juniors. Students who plan to major in agricultural, civil, electrical, industrial, and mechanical engineering may begin this bachelor's degree program at Cloud County Community College.

Minimum General Education Required Courses 32 cr

Communication Requirement 9

- CM101 English Composition I (3 cr)
- CM102 English Composition II (3 cr)
- CM115 Public Speaking (3 cr) or
- CM240 Interpersonal Communications (3 cr)

Humanities Requirement (2 areas required) 6

- | | |
|------------------|------------|
| Art | Humanities |
| Music | Literature |
| Theatre | Philosophy |
| Foreign Language | History |

Mathematics Requirement 3

- Mathematics General Education Course

Natural Science Requirement (2 areas required) 8-10

- Physical Science (4-5 cr)
- **Biological Science (4-5 cr)

Social/Behavioral Science Requirement (2 areas required) 6

- | | |
|------------|-------------------|
| Economics | Anthropology |
| Psychology | Political Science |
| Sociology | Geography |

Elective Courses* 31 cr

- BE160 Business Accounting 3
- MA114 Elementary Statistics 3
- MA120 Analytic Geometry & Calculus I 5
- MA121 Analytic Geometry & Calculus II 5
- MA122 Analytic Geometry & Calculus III 5
- MA123 Differential Equations 4
- SC131 Chemistry I 5
- SC132 Chemistry II 5
- SC134 Organic Chemistry I 5
- SC135 Organic Chemistry II 5
- SC140 College Physics I 5
- SC141 College Physics II 5
- SC142 University Physics I 5
- SC143 University Physics II 5

Credits Required 63

*All electives should be selected with assistance from an advisor. These options are general areas that will transfer to focused majors. Substitutions must be approved by the department chair.

**General/Principles of Biology is waived as a CCCC general education requirement unless the transfer institution's degree program requires it. An engineering advisor will help you determine the programs that require a biological science as a prerequisite course.

Contact: Dr. Craig Lamb
(785) 243-1435, ext 717
clamb@cloud.edu

Program Information: The Associates of Science Degree with an emphasis in Engineering is designed to enable student to transfer into a variety of engineering programs at K-State, KSU Polytechnic, Pittsburg State, and other programs across the Midwest. The following list represents a suggested guide toward a program of study and is intended to meet typical requirements of a transfer institution.

Recommended Course Sequence:

First Semester: MA111, SC131
Second Semester: MA112, SC132
Third Semester: MA120, SC140 or SC142
Fourth Semester: MA121, SC141 or SC143

Requirements: Depending on ACT scores and/or placement exams, students may be required to take developmental courses which may add to the length of study.

After Cloud: The physical science and chemistry courses are designed for students who intend to transfer to four-year colleges and universities to complete educational requirements necessary for careers as engineers, chemists, geologists, geophysicists, meteorologists, physicists, astronomers, and numerous related occupations. Physical science and chemistry courses are also part of pre-professional programs, such as engineering, agriculture, medicine, nursing and numerous health occupations.

Gainful Employment: This program results in an Associate of Science degree which prepares students for further study at a four-year institution. Students who obtain a bachelor's degree in this field could apply these skills to careers such as engineers, chemists, geologists, geophysicists, meteorologists, physicists, astronomers, and numerous related occupations. Entry-level employment in these fields are in the \$45,000 to \$60,000 range. STEM degrees are also particularly well-suited to continuing education for the career of high school teacher (requires state certification) or health related professions (requires professional degree beyond the bachelor's degree).

Obtaining an Associate of Science degree in one of these areas should allow a student to transfer into a four-year baccalaureate program. None of these are specifically a "School to Work" or "Career Ready" program. Associate degrees would make students more competitive for most entry level positions. Gainful employment data would be comparable to various entry level positions at/or above minimum wage values.

Transfer Institution Guide: A student who is interested in pursuing a baccalaureate degree should consult a CCCC advisor and the transfer guide and catalog of the four-year institution.

Programs of Study

MATH, SCIENCE, AND ENGINEERING

ENGINEERING TECHNOLOGY EMPHASIS

Associate of Science

Suggested Semester Guideline

Semester 1

CM 101	English Composition I	3 credit hours
MA 111	College Algebra (or higher)**	3 credit hours
SC 131	Chemistry I	5 credit hours
EC 101	Economics I	3 credit hours
	Humanities General Education	<u>3 credit hours</u>
	Total:	17 credit hours

Semester 2

CM 102	English Composition II	3 credit hours
MA 112	Trigonometry (or higher)	3 credit hours
SC 132	Chemistry II	5 credit hours
MA 114	Elementary Statistics	<u>3 credit hours</u>
	Total:	14 credit hours

Semester 3

	Social Science General Education	3 credit hours
CM115	Public Speaking	3 credit hours
MA 120	Analytic Geometry and Calculus I	5 credit hours
SC 142	University Physics I	<u>5 credit hours</u>
	Total:	16 credit hours

Semester 4

BE 160	Business Accounting	3 credit hours
SC 143	University Physics II	5 credit hours
MA 121	Analytic Geometry and Calculus II	5 credit hours
	Humanities General Education	3 credit hours
SC101	General Biology *	<u>4 credit hours</u>
	Total:	16-20 credit hours 63-67 credit hours

*General/Principles of Biology is waived as a CCCC general education requirement unless the transfer institution's degree program requires it. An engineering advisor will help you determine the programs that require a biological science as a prerequisite course.

**Math Courses at a higher level are acceptable if student is ready for such courses. Placement Testing is available.

Programs of Study

MATH, SCIENCE, AND ENGINEERING

MATHEMATICS EMPHASIS

Associate of Science

Cloud County Community College has agreements with the Regents Universities of Kansas in which students can take courses at CCCC for two years, then transfer into the university system the third year classified as juniors. Students who plan to major in mathematics, actuarial science, physics, computer studies, and numerous related occupational fields may begin this bachelor's degree program at Cloud County Community College. Engineers with bachelor's degrees enter an exciting, financially rewarding, and emotionally satisfying profession. Today there is a high demand for STEM majors with strong mathematical and computer skills.

Contact: Mark Whisler
(785) 243-1435, ext 221
mwhisler@cloud.edu

Program Information: The Associates of Science Degree with an emphasis in Mathematics is designed to enable student to transfer into a variety of STEM programs at K-State, KSU, WSU, and other programs across the Midwest. The following list represents a suggested guide toward a program of study and is intended to meet typical requirements of a transfer institution.

Minimum General Education Required Courses 32 cr

<i>Communication Requirement</i>	9
CM101 English Composition I (3 cr)	
CM102 English Composition II (3 cr)	
CM115 Public Speaking (3 cr) or CM240 Interpersonal Communications (3 cr)	
<i>Humanities Requirement (2 areas required)</i>	6
Art Humanities	
Music Literature	
Theatre Philosophy	
Foreign Language History	
<i>Mathematics Requirement</i>	3
Mathematics General Education Course	
<i>Natural Science Requirement (2 areas required)</i>	8-10
Physical Science (4-5 cr)	
Biological Science (4-5 cr)	
<i>Social/Behavioral Science Requirement (2 areas required)</i>	6
Economics Anthropology	
Psychology Political Science	
Sociology Geography	

Elective Courses* 32 cr

MA114 Elementary Statistics	3
MA120 Analytic Geometry & Calculus I	5
MA121 Analytic Geometry & Calculus II	5
MA122 Analytic Geometry & Calculus III	5
MA123 Differential Equations	4
SC132 Chemistry II	5
SC140 College Physics I	5
SC141 College Physics II	5
SC142 University Physics I	5
SC143 University Physics II	5

Credits Required 64

*All electives should be selected with assistance from an advisor. These options are general areas that will transfer to focused majors. Substitutions must be approved by the department chair.

Recommended Course Sequence:

First Semester: MA120
Second Semester: MA121
Third Semester: MA122
Fourth Semester: MA123, MA114

Requirements: Depending on ACT scores and/or placement exams, students may be required to take developmental courses which may add to the length of study.

After Cloud: The mathematics and elective area courses are designed for students who intend to transfer to four-year colleges and universities to complete educational requirements necessary for careers as software engineers, actuary, computer systems analyst, computer programmer, mathematician, and numerous related occupations. Mathematics curriculum are often times associated with courses that are part of pre-professional programs, such as as engineering, agriculture, medicine, nursing, and numerous health occupations.

Gainful Employment: This program results in an Associate of Science degree, which prepares students for further study at a four-year institution. Students who obtain a bachelor's degree in this field could apply these skills to careers such as mathematicians, actuaries, computer engineers, physicists, financial analysis, programmers, and numerous related occupations. Entry-level employment in these fields are in the \$55,000 to \$75,000 range. STEM degrees are also particularly well-suited to continuing education for the career of high school teacher (requires state certification) or business and economic related professions (requires professional degree beyond the bachelor's degree).

Obtaining an Associate of Science in one of these areas should allow a student to transfer into a four-year baccalaureate program. None of these are specifically "School to Work" or "Career Ready" programs. Associate degrees would make students more competitive for most entry level positions. Gainful employment data would be comparable to various entry level positions at/or above minimum wage values.

Transfer Institution Guide: A student who is interested in pursuing a baccalaureate degree should consult a CCCC advisor and the transfer guide and catalog of the four-year institution.

Programs of Study

MATH, SCIENCE, AND ENGINEERING

MATHEMATICS EMPHASIS

Associate of Science

Suggested Semester Guideline

Semester 1

MA 120	Analytic Geometry and Calculus I	5 credit hours
CM 101	English Composition I	3 credit hours
SC 101	General Biology	4 credit hours
	Humanities General Education	<u>3 credit hours</u>
	Total:	15 credit hours

Semester 2

MA 121	Analytic Geometry and Calculus II	5 credit hours
CM 102	English Composition II	3 credit hours
	Social Science General Education	3 credit hours
	Elective ¹	3 credit hours
	Elective ¹	<u>3 credit hours</u>
	Total:	17 credit hours

Semester 3

MA 122	Analytic Geometry and Calculus III	5 credit hours
CM 115	Public Speaking	3 credit hours
SC 140	College Physics or SC142 University Physics	5 credit hours
	Social Science General Education	<u>3 credit hours</u>
	Total:	16 credit hours

Semester 4

MA 123	Differential Equations	4 credit hours
	Humanities General Education	3 credit hours
MA 114	Elementary Statistics	3 credit hours
	Elective ¹	3 credit hours
	Elective ¹	<u>3 credit hours</u>
	Total:	16 credit hours
		64 credit hours

¹Electives are any college coursework at or above the 100 level. Students are strongly encouraged to consider transfer institution requirements when choosing elective courses.

Programs of Study

MATH, SCIENCE, AND ENGINEERING

CHEMISTRY EMPHASIS

Associate of Science

Cloud County Community College has agreements with a number of Regents Universities across Kansas. These agreements allow for students to take courses at CCCC for two years, then transfer into the university system the third year classified as juniors. Students who plan to major in chemistry, geology, geophysics, meteorology, astronomy, and numerous related occupational fields may begin this bachelor's degree program at Cloud County Community College. STEM majors with bachelor's degrees enter an exciting, financially rewarding and emotionally satisfying profession. Today there is a high demand for STEM majors.

Contact: Dr. Craig Lamb
(785) 243-1435, ext 717
clamb@cloud.edu

Program Information: These programs of study are designed for the student planning to transfer to a variety of STEM programs at K-State, KU, WSU, or other programs across the Midwest. The following list represents a suggested guide toward a program of study and is intended to meet typical requirements of a transfer institution.

Minimum General Education Required Courses 32 cr

<i>Communication Requirement</i>	9
CM101 English Composition I (3 cr)	
CM102 English Composition II (3 cr)	
CM115 Public Speaking (3 cr) or CM240 Interpersonal Communications (3 cr)	
<i>Humanities Requirement (2 areas required)</i>	6
Art Humanities	
Music Literature	
Theatre Philosophy	
Foreign Language History	
<i>Mathematics Requirement</i>	3
Mathematics General Education Course	
<i>Natural Science Requirement (2 areas required)</i>	8-10
Physical Science (4-5 cr)	
Biological Science (4-5 cr)	
<i>Social/Behavioral Science Requirement (2 areas required)</i>	6
Economics Anthropology	
Psychology Political Science	
Sociology Geography	

Elective Courses* 32 cr

MA114 Elementary Statistics	3
MA120 Analytic Geometry & Calculus I	5
MA121 Analytic Geometry & Calculus II	5
MA122 Analytic Geometry & Calculus III	5
SC131 Chemistry I	5
SC132 Chemistry II	5
SC134 Organic Chemistry I	5
SC135 Organic Chemistry II	5
SC140 College Physics I	5
SC141 College Physics II	5
SC142 University Physics I	5
SC143 University Physics II	5

Credits Required 64

*All electives should be selected with assistance from an advisor. These options are general areas that will transfer to focused majors. Substitutions must be approved by the department chair.

Recommended Course Sequence:

First Semester: SC131, MA120
Second Semester: SC132, MA121
Third Semester: SC134, SC142
Fourth Semester: SC110, SC135

Requirements: Depending on ACT scores and/or placement exams, students may be required to take developmental courses which may add to the length of study.

After Cloud: The physical science and chemistry courses are designed for students who intend to transfer to four-year colleges and universities to complete educational requirements necessary for careers as chemists, geologists, geophysicists, meteorologists, physicists, astronomers, and numerous related occupations. Physical science, biology, and chemistry courses are also part of pre-professional programs, such as engineering, agriculture, medicine, nursing and numerous health occupations.

Gainful Employment: This program results in an Associate of Science degree which prepares students for further study at a four-year institution. Students who obtain a bachelor's degree in this field could apply these skills to careers such as engineers, chemists, geologists, geophysicists, meteorologists, physicists, astronomers, and numerous related occupations. Entry-level employment in these fields are in the \$45,000 to \$60,000 range. STEM degrees are also particularly well-suited to continuing education for the career of high school teacher (requires state certification) or health related professions (requires professional degree beyond the Bachelor's degree).

Obtaining an Associate of Science in one of these areas should allow a student to transfer into a four-year baccalaureate program. None of these are specifically "School to Work" or "Career Ready" programs. Associate degrees would make students more competitive for most entry level positions. Gainful employment data would be comparable to various entry level positions at/or above minimum wage values.

Transfer Institution Guide: A student who is interested in pursuing a baccalaureate degree should consult a CCCC advisor and the transfer guide and catalog of the four-year institution.

Programs of Study

MATH, SCIENCE, AND ENGINEERING

CHEMISTRY EMPHASIS

Associate of Science

Suggested Semester Guideline

Semester 1

MA 120	Analytic Geometry and Calculus I	5 credit hours
CM 101	English Composition I	3 credit hours
	Humanities General Education	3 credit hours
SC 131	Chemistry I	<u>5 credit hours</u>
	Total:	16 credit hours

Semester 2

MA 121	Analytic Geometry and Calculus II	5 credit hours
CM 102	English Composition II	3 credit hours
	Social Science General Education	3 credit hours
SC 132	Chemistry II	<u>5 credit hours</u>
	Total:	16 credit hours

Semester 3

	Math or Science Elective	3 credit hours
SC 134	Organic Chemistry I	5 credit hours
	Social Science General Education	3 credit hours
SC 142	University Physics I	<u>5 credit hours</u>
	Total:	16 credit hours

Semester 4

SC 135	Organic Chemistry II	5 credit hours
	Humanities General Education	3 credit hours
SC 110	Principles of Biology I	5 credit hours
CM 115	Public Speaking	<u>3 credit hours</u>
	Total:	16 credit hours
		64 credit hours

Programs of Study

MATH, SCIENCE, AND ENGINEERING

PHYSICAL SCIENCE EMPHASIS

Associate of Science

Cloud County Community College has agreements with a number of Regents Universities across Kansas. These agreements allow for students to take courses at CCCC for two years, then transfer into the university system the third year classified as juniors. Students who plan to major in chemistry, geology, geophysics, meteorology, astronomy, and numerous related occupational fields may begin this bachelor's degree program at Cloud County Community College. STEM majors with bachelor's degrees enter an exciting, financially rewarding and emotionally satisfying profession. Today there is a high demand for STEM majors.

Contact: Dr. Craig Lamb
(785) 243-1435, ext 717
clamb@cloud.edu

Program Information: The Associate of Science with Physical Science emphasis is designed to enable students to transfer to a variety of STEM programs at K-State, KU, WSU, or other programs across the Midwest. The following list represents a suggested guide toward a program of study and is intended to meet typical requirements of a transfer institution.

Minimum General Education Required Courses 32 cr

<i>Communication Requirement</i>	9
CM101 English Composition I (3 cr)	
CM102 English Composition II (3 cr)	
CM115 Public Speaking (3 cr) or CM240 Interpersonal Communications (3 cr)	
<i>Humanities Requirement (2 areas required)</i>	6
Art Humanities	
Music Literature	
Theatre Philosophy	
Foreign Language History	
<i>Mathematics Requirement</i>	3
Mathematics General Education Course	
<i>Natural Science Requirement (2 of 2 areas)</i>	8-10
Physical Science (4-5 cr)	
Biological Science (4-5 cr)	
<i>Social/Behavioral Science Requirement (2 of 6 areas required)</i>	6
Economics Anthropology	
Psychology Political Science	
Sociology Geography	

Recommended Course Sequence:

First Semester: SC131, SC104, MA111
Second Semester: SC132, SC105, MA112
Third Semester: SC140, MA120
Fourth Semester: SC101, SC141

Requirements: Depending on ACT scores and/or placement exams, students may be required to take developmental courses which may add to the length of study.

After Cloud: The physical science and chemistry courses are designed for students who intend to transfer to four-year colleges and universities to complete educational requirements necessary for careers as chemists, geologists, geophysicists, meteorologists, physicists, astronomers, and numerous related occupations. Physical science and chemistry courses are also part of pre-professional programs, such as engineering, agriculture, medicine, nursing and numerous health occupations.

Gainful Employment: This program results in an Associate of Science degree which prepares students for further study at a four-year institution. Students who obtain a bachelor's degree in this field could apply these skills to careers such as geologists, geophysicists, meteorologists, astronomers, and numerous related occupations. Entry-level employment in these fields are in the \$38,000 to \$47,000 range. STEM degrees are also particularly well-suited to continuing education for the career of high school teacher (requires state certification) or health related professions (requires professional degree beyond the bachelor's degree).

Obtaining an Associate of Science in one of these areas should allow a student to transfer into a four-year baccalaureate program. None of these are specifically "School to Work" or "Career Ready" programs. Associate degrees would make students more competitive for most entry level positions. Gainful employment data would be comparable to various entry level positions at/or above minimum wage values.

Transfer Institution Guide: A student who is interested in pursuing a baccalaureate degree should consult a CCCC advisor and the transfer guide and catalog of the four-year institution.

Elective Courses* 32 cr

AG108 Environmental Quality	3
AG109 Environmental Quality Lab	1
SC104 Geology	4
SC105 General Astronomy	4
SC107 Meteorology	4
SC131 Chemistry I	5
SC132 Chemistry II	5
SC134 Organic Chemistry I	5
SC140 College Physics I	5
SC141 College Physics II	5
SC142 University Physics I	5
SC143 University Physics II	5

Credits Required 64

*All electives should be selected with assistance from an advisor. These options are general areas that will transfer to focused majors. Substitutions must be approved by the department chair.

Programs of Study

MATH, SCIENCE, AND ENGINEERING

PHYSICAL SCIENCE EMPHASIS

Associate of Science

Suggested Semester Guideline

Semester 1

MA 111	College Algebra (or higher)	3 credit hours
CM 101	English Composition I	3 credit hours
SC 131	Chemistry I	5 credit hours
	Humanities General Education	3 credit hours
SC 104	Geology	<u>4 credit hours</u>
	Total:	18 credit hours

Semester 2

MA 112	Trigonometry	3 credit hours
CM 102	English Composition II	3 credit hours
SC 132	Chemistry II	5 credit hours
SC 105	General Astronomy	<u>4 credit hours</u>
	Total:	15 credit hours

Semester 3

MA 120	Analytic Geometry and Calculus I	5 credit hours
SC 140	College Physics or SC142 University Physics I	5 credit hours
CM 115	Public Speaking	3 credit hours
	Social Science General Education	<u>3 credit hours</u>
	Total:	16 credit hours

Semester 4

SC 101	General Biology	4 credit hours
SC 141	College Physics II or SC143 University Physics II	5 credit hours
	Social Science General Education	3 credit hours
	Humanities General Education	<u>3 credit hours</u>
	Total:	15 credit hours
		64 credit hours

Programs of Study

MATH, SCIENCE, AND ENGINEERING

PHYSICS EMPHASIS

Associate of Science

Cloud County Community College has agreements with a number of Regents Universities across Kansas. These agreements allow for students to take courses at CCCC for two years, then transfer into the university system the third year classified as juniors. Students who plan to major in physics, chemistry, geology, geophysics, meteorology, astronomy, and numerous related occupational fields may begin this bachelor's degree program at Cloud County Community College. STEM majors with bachelor's degrees enter an exciting, financially rewarding and emotionally satisfying profession. Today there is a high demand for STEM majors.

Minimum General Education Required Courses 32 cr

Communication Requirement 9

- CM101 English Composition I (3 cr)
- CM102 English Composition II (3 cr)
- CM115 Public Speaking (3 cr) or
CM240 Interpersonal Communications (3 cr)

Humanities Requirement (2 areas required) 6

- Art Humanities
- Music Literature
- Theatre Philosophy
- Foreign Language History

Mathematics Requirement 3

- Mathematics General Education Course
MA120 Analytic Geometry & Calc I (5 cr) (suggested)

Natural Science Requirement (2 classes) ** 8-10

- Physical Science (4-5 cr)
SC140 College Physics (5 cr) or
SC142 University Physics (5 cr) (suggested)

Social/Behavioral Science Requirement (2 of 6 areas required) 6

- Economics Anthropology
- Psychology Political Science
- Sociology Geography

Elective Courses* 31 cr

- MA121 Analytic Geometry & Calculus II 5
- MA122 Analytic Geometry & Calculus III 5
- MA123 Differential Equations 4
- SC104 Geology 4
- SC105 General Astronomy 4
- SC107 Meteorology 4
- SC131 Chemistry I 5
- SC132 Chemistry II 5
- SC141 College Physics II 5
- SC143 University Physics II 5

Credits Required 63

*All electives should be selected with assistance from an advisor. These options are general areas that will transfer to focused majors. Substitutions must be approved by the department chair.

**The biological science general education course requirement is waived for this emphasis and is replaced with a physical science with lab general education course.

Contact: Dr. Craig Lamb
(785) 243-1435, ext 717
clamb@cloud.edu

Program Information: The Associate of Science with Physics emphasis is designed to enable students to transfer to a variety of STEM programs at K-State, KU, WSU, or other programs across the Midwest. The following list represents a suggested guide toward a program of study and is intended to meet typical requirements of a transfer institution.

Recommended Course Sequence:

First Semester: SC131, MA120
Second Semester: SC132, SC105, MA121
Third Semester: MA122, SC140
Fourth Semester: MA123, SC104, SC141

Requirements: Depending on ACT scores and/or placement exams, students may be required to take developmental courses which may add to the length of study.

After Cloud: The physical science and chemistry courses are designed for students who intend to transfer to four-year colleges and universities to complete educational requirements necessary for careers as chemists, geologists, geophysicists, meteorologists, physicists, astronomers, and numerous related occupations. Physical science and chemistry courses are also part of pre-professional programs, such as engineering, agriculture, medicine, nursing and numerous health occupations.

Gainful Employment: This program results in an Associate of Science degree which prepares students for further study at a four-year institution. Students who obtain a bachelor's degree in this field could apply these skills to careers such as geologists, geophysicists, meteorologists, astronomers, and numerous related occupations. Entry-level employment in these fields are in the \$48,000 to \$57,000 range. STEM degrees are also particularly well-suited to continuing education for the career of high school teacher (requires state certification) or health related professions (requires professional degree beyond the bachelor's degree).

Obtaining an Associate of Science in one of these areas should allow a student to transfer into a four-year baccalaureate program. None of these are specifically "School to Work" or "Career Ready" programs. Associate degrees would make students more competitive for most entry level positions. Gainful employment data would be comparable to various entry level positions at/or above minimum wage values.

Transfer Institution Guide: A student who is interested in pursuing a baccalaureate degree should consult a CCCC advisor and the transfer guide and catalog of the four-year institution.

Programs of Study

MATH, SCIENCE, AND ENGINEERING

PHYSICS EMPHASIS

Associate of Science

Suggested Semester Guideline

Semester 1

MA 120	Analytic Geometry and Calculus I	5 credit hours
CM 101	English Composition I	3 credit hours
	Humanities General Education	3 credit hours
SC 131	Chemistry I	<u>5 credit hours</u>
	Total:	16 credit hours

Semester 2

MA 121	Analytic Geometry and Calculus II	5 credit hours
CM 102	English Composition II	3 credit hours
	Social Science General Education	3 credit hours
SC 105	General Astronomy	<u>4 credit hours</u>
	Total:	15 credit hours

Semester 3

MA 122	Analytic Geometry and Calculus III	5 credit hours
SC 142	University Physics I	5 credit hours
CM 115	Public Speaking	3 credit hours
	Social Science General Education	<u>3 credit hours</u>
	Total:	16 credit hours

Semester 4

MA 123	Differential Equations	4 credit hours
SC 143	University Physics II	5 credit hours
	Humanities General Education	3 credit hours
SC 105	General Astronomy	<u>4 credit hours</u>
	Total:	16 credit hours
		63 credit hours

Note: The biological science with lab general education course requirement is waived for this emphasis and is replaced with a physical science with lab general education course.

Programs of Study

NURSING AND ALLIED HEALTH

ASSOCIATE DEGREE IN NURSING (ADN)

Generic Track

Associate of Applied Science

The ADN program at Cloud County Community College prepares the graduates to practice as registered nurses upon successful completion of the National Council Licensure Examination (NCLEX-RN®). They are qualified to enter a professional position as a generalist in a variety of care settings with clients of all ages from diverse populations. Cloud County Community College nursing graduates are also prepared to continue studies at colleges or universities that offer bachelor's degrees in nursing. The Associate Degree Nursing program does not prepare persons for teaching positions.

This program is for students with no prior nursing license, with the ability and resources, whose career goal is registered nursing. Upon completion, graduates are awarded an Associate in Applied Science degree and are eligible to take the licensure examination for registered nurses, NCLEX-RN®.

General Education Required Courses 23 cr

<i>Communication Requirement</i>	6
CM101 English Composition I (3 cr)	
CM115 Public Speaking (3 cr) or CM240 Interpersonal Communications (3 cr)	
<i>Humanities Requirement (out of following areas)</i>	3
Art	Humanities
Music	Literature
Theatre	Philosophy
Foreign Language	History
<i>Mathematics Requirement</i>	3
MA110 Intermediate Algebra (3 cr) or Mathematics General Education Course	
<i>Natural Science Requirement</i>	5
SC126 Anatomy & Physiology (5 cr)	
<i>Social/Behavioral Science Requirement</i>	6
SS101 General Psychology (3 cr)	
SS105 Human Growth & Development (3 cr)	

Required Courses 44 cr

NR113 Pharmacology I	1
NR114 Pharmacology II	2
NR115 Pharmacology III	1
NR111 LifeSpan Nursing I	9
NR112 Life Span Nursing II	9
NR211 Life Span Nursing III	9
NR212 Life Span Nursing IV	9
SC128 Pathophysiology	4

Credits Required 67

*All electives should be selected with assistance from an advisor. Substitutions must be approved by the department chair.

Contact: Krista Bryant
785-243-1435 x 330
kbryant@cloud.edu

Degree Information: The Associate of Applied Science Degree in Nursing prepares graduates to take the RN licensure exam (NCLEX-RN) and to practice as Registered Nurses.

Recommended Course Sequence:

Prerequisite Courses SC126, SS101, SS105, MA110
First Semester: NR111, SC128, NR113
Second Semester: NR112, NR114
Third Semester: NR211, NR115, CM115 or CM 240
Fourth Semester: NR 212, Humanities

All courses must be completed with a grade of C or better.

Life Span Nursing I - IV are offered on the Concordia Campus. Non-nursing courses are offered on the Concordia and Geary County Campuses, through Outreach at various locations and times, and on the Internet.

*Link to more detailed emphasis map

Additional Enrollment Requirements:

Physical Examination

The applicant must have satisfactory physical and mental health. A physical examination and health history are required after admission. It must be submitted by August 1. All immunizations and TB test must be current. Documentation of the influenza immunization will be required in the fall.

Security Screening

A security screening will be completed prior to any clinical experience. Criminal conviction may jeopardize the ability to continue in the course and/or to obtain licensure.

Convictions or Disciplinary Action -Felony Crimes Against Persons are an automatic bar to Kansas nursing licensure as set by the Kansas legislature. It would require a law (statute) change by the Kansas legislature to allow licensure. Those actions are "as specified in article 34 of chapter 21 of the Kansas Statutes Annotated, prior to their repeal, or article 54 of chapter 21 of the Kansas Statues annotated or K.S.A. 2015 Supp. 21-6104, 21-6325, 21-6326 or 21-6418, and amendments thereto." --Kansas Nurse Practice Act

CPR certification

Applicants shall provide evidence of current CPR certification at the professional level by August 1.

Literacy Screening

Applicants must have completed General Psychology, Human Growth and Development, Intermediate Algebra and Anatomy and Physiology prior to enrollment in NR 111.

Programs of Study

NURSING AND ALLIED HEALTH

ASSOCIATE DEGREE IN NURSING (ADN)

Generic Track (con't)

Associate of Applied Science

Approved by:

Kansas State Board of Nursing
Landon State Office Building
900 SW Jackson, Suite 1051
Topeka, KS 66612-1230
785-296-4929 ksbn.org

Accredited by:

Accrediting Commission for Education in Nursing (ACEN)
3343 Peachtree Road NE, Suite 500
Atlanta, GA 30326
404-975-5000, fax 404-975-5020

Student Organizations: Kansas Student Nurse Association

After Cloud: Employment Opportunities for Registered Nurses, a report prepared by the Kansas Department of Health and Welfare, states that a serious nursing shortage exists in Kansas, and they predicted a deficit of 5,900 Kansas RNs by 2020. Job opportunities are great for Registered Nurses. Graduates from the nursing program are consistently employed at a nearly 100% rate. Registered Nurse Shortages Predicted in the US and Kansas for 2010 and 2020. Retrieved from Kansas Department of Health and Environment. [Http://www.kdheks.gov/ches/](http://www.kdheks.gov/ches/)

Gainful Employment: The salary for new graduates of ADN programs going to work in acute care in Kansas is approximately \$40,500 - \$46,800. Salary will vary by specialty and location.

Transfer Institution Guide: A student who is interested in pursuing a baccalaureate degree should consult a CCCC advisor and the transfer guide and catalog of the four-year institution.

Links to various transfer programs in the State of Kansas
CCCC TRANSFER PAGE W/Equivalency sites



Programs of Study

NURSING AND ALLIED HEALTH

ASSOCIATE DEGREE IN NURSING (ADN)

Generic Track

Associate of Applied Science

Suggested Semester Guideline

Prerequisites

Semester 1

CM 101	English Composition I	3 credit hours
CM 115	Public Speaking	3 credit hours
SS 101	General Psychology	3 credit hours
SC 126	Anatomy & Physiology	<u>5 credit hours</u>
Total:		14 credit hours

Semester 2

MA 110	Intermediate Algebra (or higher)	3 credit hours
	Humanities General Education	3 credit hours
SS 105	Human Growth & Development	3 credit hours
SC 128	Pathophysiology or	
SC111 Microbiology (3 cr) & SC112 Microbiology Lab (2 cr)		<u>4-5 credit hours</u>
Total:		13-14 credit hours 27-28 credit hours

Program Requirements

Semester 1

NR 111	Lifespan Nursing I	9 credit hours
NR 113	Pharmacology I	<u>1 credit hour</u>
Total:		10 credit hours

Semester 2

NR 112	Lifespan Nursing II	9 credit hours
NR 114	Pharmacology II	<u>2 credit hour</u>
Total:		11 credit hours

Semester 3

NR 211	Lifespan Nursing III	9 credit hours
NR 115	Pharmacology III	<u>1 credit hour</u>
Total:		10 credit hours

Semester 4

NR 212	Lifespan Nursing IV	<u>9 credit hours</u>
Total:		9 credit hours 67 credit hours

Programs of Study

NURSING AND ALLIED HEALTH

ASSOCIATE DEGREE IN NURSING (ADN)

LPN TO ADN - Advanced Standing Track

Associate of Applied Science

The LPN to ADN program track at Cloud County Community College prepares the graduates to practice as registered nurses upon successful completion of the National Council Licensure Examination (NCLEX-RN®). They are qualified to enter a professional position as a generalist in a variety of care settings with clients of all ages from diverse populations. Cloud County Community College nursing graduates are also prepared to continue studies at colleges or universities that offer bachelor's degrees in nursing.

The Associate Degree Nursing program does not prepare persons for teaching positions. This two semester program is for LPNs, with the ability and resources, whose career goal is registered nursing. Upon completion, graduates are awarded an Associate in Applied Science degree and are eligible to take the licensure examination for registered nurses, NCLEX-RN®.

General Education Required Courses 23 cr

<i>Communication Requirement</i>	6
CM101 English Composition I (3 cr)	
CM115 Public Speaking (3 cr) or	
CM240 Interpersonal Communications (3 cr)	
<i>Humanities Requirement (out of following areas)</i>	3
Art Humanities	
Music Literature	
Theatre Philosophy	
Foreign Language History	
<i>Mathematics Requirement</i>	3
MA110 Intermediate Algebra (3 cr) or	
Mathematics General Education Course	
<i>Natural Science Requirement</i>	5
SC126 Anatomy & Physiology (5 cr)	
<i>Social/Behavioral Science Requirement</i>	6
SS101 General Psychology (3 cr)	
SS105 Human Growth & Development (3 cr)	

Required Courses 44 cr

NR115 Pharmacology III	1
NR210 LPN to ADN Bridge	2
NR211 Life Span Nursing III	9
NR212 Life Span Nursing IV	9
SC128 Pathophysiology	4
LPN Portfolio	19

Credits Required 67

*All electives should be selected with assistance from an advisor. Substitutions must be approved by the department chair.

Contact: Krista Bryant
785-243-1435 x 330
kbryant@cloud.edu

Degree Information: The Associate of Applied Science Degree in Nursing prepares graduates to take the RN licensure exam (NCLEX-RN) and to practice as Registered Nurses.

Recommended Course Sequence:

Prerequisite Courses: CM101, MA110, SS101, SS105, SC126, SC128
LPN Program Portfolio - Transfer 19 cr

Summer Session: NR210 Bridge Course

First Semester: NR211, NR115, CM115 or CM240

Second Semester: NR212, Humanities

All courses must be completed with a grade of C or better.

The LPN to ADN, Life Span Nursing III & IV are offered on the Concordia Campus. Non-nursing courses are offered on the Concordia and Geary County Campuses, through Outreach at various locations and times, and on the Internet.

*Link to more detailed emphasis map

Additional Enrollment Requirements:

Physical Examination

The applicant must have satisfactory physical and mental health. A physical examination and health history are required after admission. It must be submitted by August 1. All immunizations and TB test must be current. Documentation of the influenza immunization will be required in the fall.

Security Screening

A security screening will be completed prior to any clinical experience. Criminal conviction may jeopardize the ability to continue in the course and/or to obtain licensure.

Convictions or Disciplinary Action -Felony Crimes Against Persons are an automatic bar to Kansas nursing licensure as set by the Kansas legislature. It would require a law (statute) change by the Kansas legislature to allow licensure. Those actions are "as specified in article 34 of chapter 21 of the Kansas Statutes Annotated, prior to their repeal, or article 54 of chapter 21 of the Kansas Statutes annotated or K.S.A. 2015 Supp. 21-6104, 21-6325, 21-6326 or 21-6418, and amendments thereto." --Kansas Nurse Practice Act

CPR certification

Applicants shall provide evidence of current CPR certification at the professional level by August 1.

Literacy Screening

Applicants must have completed General Psychology, Human Growth and Development, Intermediate Algebra, Anatomy and Physiology, and Pathophysiology prior to enrollment in NR 211.

Programs of Study

NURSING AND ALLIED HEALTH

ASSOCIATE DEGREE IN NURSING (ADN)

LPN TO ADN - Advanced Standing Track

Associate of Applied Science

Approved by:

Kansas State Board of Nursing
Landon State Office Building
900 SW Jackson, Suite 1051
Topeka, KS 66612-1230
785-296-4929 ksbn.org

Accredited by:

Accrediting Commission for Education in Nursing (ACEN)
3343 Peachtree Road NE, Suite 500
Atlanta, GA 30326
404-975-5000, fax 404-975-5020

Student Organizations: Kansas Student Nurse Association

After Cloud: Employment Opportunities for Registered Nurses, a report prepared by the Kansas Department of Health and Welfare, states that a serious nursing shortage exists in Kansas, and they predicted a deficit of 5,900 Kansas RNs by 2020. Job opportunities are great for Registered Nurses. Graduates from the nursing program are consistently employed at a nearly 100% rate. Registered Nurse Shortages Predicted in the US and Kansas for 2010 and 2020. Retrieved from Kansas Department of Health and Environment. [Http://www.kdheks.gov/ches/](http://www.kdheks.gov/ches/)

Gainful Employment: The salary for new graduates of ADN programs going to work in acute care in Kansas is approximately \$40,500 - \$46,800. Salary will vary by specialty and location.

Transfer Institution Guide: A student who is interested in pursuing a baccalaureate degree should consult a CCCC advisor and the transfer guide and catalog of the four-year institution.

Links to various transfer programs in the State of Kansas
CCCC TRANSFER PAGE W/Equivalency sites



Programs of Study

NURSING AND ALLIED HEALTH

ASSOCIATE DEGREE IN NURSING (ADN)

LPN TO ADN - Advanced Standing Track

Associate of Applied Science

Suggested Semester Guideline

This program track is designed for those holding a current, unrestricted practical nurse license.

Prerequisites

Semester 1

CM 101	English Composition I	3 credit hours
CM 115	Public Speaking	3 credit hours
SS 101	General Psychology	3 credit hours
SC 126	Anatomy & Physiology	<u>5 credit hours</u>
Total:		14 credit hours

Semester 2

MA 110	Intermediate Algebra (or higher)	3 credit hours
	Humanities General Education	3 credit hours
SS 105	Human Growth & Development	3 credit hours
SC 128	Pathophysiology or	
SC111	Microbiology (3 cr) & SC112 Microbiology Lab (2 cr)	<u>4-5 credit hours</u>
Total:		13-14 credit hours

Program Requirements

Summer

	LPN Portfolio Hours*	19 Credit Hours
NR210	LPN-ADN Bridge Course	2 Credit Hours

Semester 1

NR 211	Lifespan Nursing III	9 credit hours
NR 115	Pharmacology III	<u>1 credit hour</u>
Total:		10 credit hours

Semester 2

NR 212	Lifespan Nursing IV	<u>9 credit hours</u>
Total:		9 credit hours

67 total credit hours

*This pathway for the ADN program includes the step of getting an LPN certification before coming to CCCC for the ADN second year program.

Programs of Study

NURSING AND ALLIED HEALTH

EMERGENCY MEDICAL TECHNICIAN

This course of study will provide the participant with the preparation necessary to test for certification as an Emergency Medical Technician in the State of Kansas. This is the initial course of instruction required for persons involved in providing emergency care. Areas covered include: the control of an accident scene, care of the patient prior to transport, preparation for transport, transport and care of the patient while en-route to the hospital, transfer of a patient to a hospital emergency department, communications, reporting, record keeping, and vehicle care. This Emergency Medical Technician course meets the course requirements of the Kansas Board of Emergency Medical Services as set forth in Kansas Administrative Regulations.

When taken with *First Aid and Safety* and *General Psychology* or *Introduction to Sociology*, the student will be awarded a college-level certificate. These courses will apply toward the requirements for an Associate's degree if the student wishes to continue his or her education. In the state of Kansas, the entry-level hourly wages for certified EMTs range from \$13.00 to \$15.00 per hour with an annual salary ranging from \$26,000 to \$32,000.

EMT LEVEL I

16-Hour Certificate

Required General Education Courses (3 credits)

SS101	General Psychology or	
	SS130 Introduction to Sociology.....	3

Required Courses (13 credits)

AH163	Emergency Medical Technician.....	10
PE131	First Aid and Safety.....	3

HEALTH AIDE

Certified Nurse Aide, Medication Aide, Medication Aide Update, and Home Health Aide courses are taught at various times and locations in North Central Kansas throughout the year. Contact the Allied Health office at the college (785-243-1435, ext. 372) for information as to times and locations of these courses.

Certified Nurse Aide

The student who completes/passes this 90 hour course is eligible to take the Kansas State Certified Nurse Aide Exam for licensure as a Certified Nurse Aide. Course delivery methods may be completed by face-to-face classroom sessions or hybrid. This course is considered a Stand Alone Program and is not applicable to any degree, although many LPN (Licensed Practical Nursing) Programs require the applicant to have completed the CNA Class before admission to their program. Many CNA's are employed in long-term care facilities. The beginning salary for a CNA in the local area ranges from \$8.50 to \$9.50 per hour. Please contact the Allied Health Office at Cloud County Community College for further information. (785)243-1435 Ext. 372.

Medication Aide

The student who completes/passes this 75 hour course is eligible to take the Kansas State Certified Medication Aide Exam for licensure as a Certified Medication Aide. Course delivery methods may be completed by face-to-face classroom sessions or hybrid. This course is considered a Stand Alone Program and available only to Certified Nurse Aides and is not applicable to any degree. Many CMAs are employed in Long Term Care and Assisted Living Facilities. Local beginning salary range from \$8.95 to \$10.00 per hour. Please contact the Allied Health Office at Cloud County Community College for further information. (785)243-1435 Ext 372.

LPN IV Certification

The Licensed Practical Nurse who completes this 32 hour course is eligible to take the Kansas State Exam for I.V. Therapy Certification. Upon certification and the under the supervision of a professional registered nurse, the LPN may engage in a limited scope of intravenous fluid treatment. IV certified LPNs generally practice in long term care settings and some acute care. Salaries range from \$14.05-\$14.38. Please contact the Allied Health Office at Cloud County Community College for further information. (785)243-1435 Ext 372.

Programs of Study

SOCIAL AND BEHAVIORAL SCIENCES

ANTHROPOLOGY EMPHASIS

Associate of Arts /Associate of Science

Cloud County Community College has agreements with a number of Regents Universities across Kansas. These agreements allow for students to take courses at CCCC for two years, then transfer into the university system the third year classified as juniors. Students who plan to major in anthropology may begin this bachelor's degree program at Cloud County Community College. Employment of anthropologists and archaeologists is projected to grow 4% over the coming decade, according to the U.S. Bureau of Labor Statistics.

Contact: Beth Whisler
(785) 243-1435, ext 262
bwhisler@cloud.edu

Program Information: The Associate of Arts or the Associate of Science with an Anthropology emphasis is designed to enable students to transfer into a variety of anthropology programs at K-State, KU, WSU, or other programs across the Midwest. The following list represents a suggested guide toward a program of study and is intended to meet typical requirements of a transfer institution.

Minimum General Education Required Courses 31-32 cr

Communication Requirement 9

- CM101 English Composition I (3 cr)
- CM102 English Composition II (3 cr)
- CM115 Public Speaking (3 cr) or
- CM240 Interpersonal Communications (3 cr)

Humanities Requirement (AA- 3 areas required) 9

- Art Humanities 6
- Music Literature
- Theatre Philosophy
- Foreign Language History

Mathematics Requirement 3

Mathematics General Education Course

Natural Science Requirement (AA- 1 of 2 areas required) 4-5
(AS- 2 of 2 areas required) 8-10

- Biological Science
- Physical Science

Social/Behavioral Science Requirement (2 out of 6 areas required) 6

- Economics Anthropology
- Psychology Political Science
- Sociology Geography

Elective Courses* 30-31 cr

- EC101 Economics I 3
- EC102 Economics II 3
- SC104 Geology 4
- SC130 General Chemistry 5
- SS101 General Psychology 3
- SS120 Western Civilization I 3
- SS122 U.S. History I 3
- SS125 Introduction to Cultural Anthropology 3
- SS130 Introduction to Sociology 3
- SS140 U.S. Government: National 3
- Foreign Language Electives 8

Credits Required 62

*All electives should be selected with assistance from an advisor. These options are general areas that will transfer to focused majors. Substitutions must be approved by the department chair.

Recommended Course Sequence:

- First Semester: SS122
- Second Semester: SS125, SS130
- Third Semester: EC101, SS120, SS130
- Fourth Semester: SC104, EC102, SS121

Requirements: Depending on ACT scores and/or placement exams, students may be required to take developmental courses which may add to the length of study.

After Cloud: The anthropology and elective area courses are designed for students who intend to transfer to four-year colleges and universities to complete educational requirements necessary for careers in such areas as anthropology (cultural or forensic), market research, community development and advocacy, and numerous related occupations.

Gainful Employment: This program results in an Associate of Science degree which prepares students for further study at a four-year institution. Students who obtain a bachelor's degree in this field could apply these skills to careers such as forensic anthropology, cultural resource management, community development and advocacy, market research, international development, and numerous related occupations. Entry-level employment with a bachelor's degree in these fields can vary widely depending on the field. The median salary for anthropologists and archaeologists in the U.S. was \$61,220 in 2015, according to the Bureau of Labor Statistics, Department of Labor. This may reflect people with graduate degrees as well.

Obtaining an Associate of Science in one of these areas should allow a student to transfer into a four-year baccalaureate program. None of these are specifically "School to Work" or "Career Ready" programs. Associate degrees would make students more competitive for most entry level positions. Gainful employment data would be comparable to various entry level positions at/or above minimum wage values.

Transfer Institution Guide: A student who is interested in pursuing a baccalaureate degree should consult a CCCC advisor and the transfer guide and catalog of the four-year institution.

Programs of Study

SOCIAL AND BEHAVIORAL SCIENCES

ANTHROPOLOGY EMPHASIS

Associate of Arts / Associate of Science

Suggested Semester Guideline

Semester 1

SS 122	U.S. History I	3 credit hours
CM 101	English Composition I	3 credit hours
MA 111	College Algebra (or higher)	3 credit hours
SS 140	U.S. Government: National	3 credit hours
	Humanities General Education	<u>3 credit hours</u>
	Total:	15 credit hours

Semester 2

CM 102	English Composition II	3 credit hours
SS 125	Introduction to Cultural Anthropology	3 credit hours
SS 101	General Psychology	3 credit hours
SC130	General Chemistry	5 credit hours
	Elective	<u>3 credit hours</u>
	Total:	17 credit hours

Semester 3

	Humanities General Education or Biological Science General Education	3-4 credit hours
SS 120	Western Civilization I	3 credit hours
	Elective	3 credit hours
EC 101	Economics I	3 credit hours
SS 130	Introduction to Sociology	<u>3 credit hours</u>
	Total:	15-16 credit hours

Semester 4

SS 121	Western Civilization II	3 credit hours
SC 104	Geology	4 credit hours
CM 115	Public Speaking	3 credit hours
	Humanities General Education	3 credit hours
EC 102	Economics II	<u>3 credit hours</u>
	Total:	16 credit hours
		63 credit hours

Programs of Study

SOCIAL AND BEHAVIORAL SCIENCES

CRIMINAL JUSTICE EMPHASIS

Associate of Arts / Associate of Science

Cloud County Community College has agreements with various Regents Universities across Kansas where students can take courses at CCCC for two years, then transfer into the university system the third year as juniors. Faculty advisors will direct students toward basic courses needed for the major program at the university of transfer.

Selecting an emphasis in criminal justice can be a first step in going towards a career in law enforcement, corrections, or in other areas which professionals work in to keep communities safe.

Minimum General Education Required Courses 31-32 cr

<i>Communication Requirement</i>	9
CM101 English Composition I (3 cr)	
CM102 English Composition II (3 cr)	
CM115 Public Speaking (3 cr) or	
CM240 Interpersonal Communications (3 cr)	

<i>Humanities Requirement</i> (AA- 3 areas required)	9
(AS- 2 areas required)	6

Art	Humanities
Music	Literature
Theatre	Philosophy
Foreign Language	History

<i>Mathematics Requirement</i>	3
Mathematics General Education Course	

<i>Natural Science Requirement</i> (AA- 1 of 2 areas required)	4-5
(AS- 2 of 2 areas required)	8-10

Biological Science
Physical Science

<i>Social/Behavioral Science Requirement</i>	6
(AA/AS- 2 areas required)	

Economics	Anthropology
Psychology	Political Science
Sociology	Geography

Elective Courses* 30-31 cr

AJ100 Intro to Criminal Justice (suggested)	3
AJ145 Agency Administration (suggested)	3
AJ200 Law Enforcement Operations & Procedures (suggested)	3
AJ205 Criminology	3
AJ206 Criminal Law	3
AJ207 Criminal Procedures (suggested)	3
AJ209 Juvenile Delinquency & Justice (suggested)	3
AJ210 Criminal Investigation (suggested)	3
AJ211 Criminal Justice Interview & Report Writing (suggested)	3
AJ220 Cooperative Ed Internship (suggested)	3
AJ225 Ethics in Criminal Justice (suggested)	3
SS102 Abnormal Psychology	3
SS106 Marriage & Family	3

Credits Required 62

Contact: Kristina Frost
(785) 243-1435, ext 265
kfrost@cloud.edu

Degree Information: The Associates of Arts Degree (AA) or the Associate of Science Degree (AS) is designed for the student planning to transfer to a four-year baccalaureate degree program in criminal justice.

Recommended Course Sequence:

First Semester: AJ100, AJ207, CM101
Second Semester: AJ200, AJ209, CM102
Third Semester: AJ220, AJ225,
Fourth Semester: AJ210, AJ211, AJ145, CM115/CM240

Requirements: Depending on ACT scores and/or placement exams, students may be required to take developmental courses which may add to the length of study.

After Cloud: The general education and criminal justice classes are designed for students who intend to transfer to four-year institutions to complete educational requirements. Several examples of careers would be parole officers, probation officers, criminal justice specialists working in jails or penitentiaries, police officers, highway patrol officers, or sheriffs.

Gainful Employment: This program of study results in an Associate of Science or Associate of Arts Degree which prepares students for further study at a four-year institution. The course list represents a suggested guide toward a program of study and is intended to meet typical requirements of a transfer institution. Obtaining an associate degree with this emphasis should allow a student to transfer into a four-year baccalaureate program. This degree is not specifically a "School to Work" or "Career Ready" program. Associate degrees would make students more competitive for most entry-level positions. Gainful employment data would be comparable to various entry-level positions at or above minimum wage values.

Transfer Institution Guide: A student who is interested in pursuing a baccalaureate degree should consult a CCCC advisor and the transfer guide and catalog of the four-year institution.



*All electives should be selected with assistance from an advisor. These options are general areas that will transfer to focused majors. Substitutions must be approved by the department chair.

Programs of Study

SOCIAL AND BEHAVIORAL SCIENCES

CRIMINAL JUSTICE EMPHASIS

Associate of Arts / Associate of Science

Suggested Semester Guideline

Semester 1

AJ 207	Criminal Procedures	3 credit hours
CM 101	English Composition I	3 credit hours
MA 111	College Algebra (or higher)	3 credit hours
AJ 100	Introduction to Criminal Justice	3 credit hours
	Humanities General Education	<u>3 credit hours</u>
	Total:	15 credit hours

Semester 2

CM 102	English Composition II	3 credit hours
SS 106	Marriage and Family	3 credit hours
PE 110	Total Fitness	1 credit hour
AJ 200	Law Enforcement Operations and Procedures	3 credit hours
SS 142	U.S. Government: State and Local	3 credit hours
AJ 209	Juvenile Delinquency and Justice	<u>3 credit hours</u>
	Total:	16 credit hours

Semester 3

	Science with Lab General Education	4 credit hours
SS 122	U.S. History I	3 credit hours
AJ 225	Ethics in Criminal Justice	3 credit hours
AJ 220	Cooperative Education Internship	3 credit hours
SS 130	Introduction to Sociology	<u>3 credit hours</u>
	Total:	16 credit hours

Semester 4

AJ 145	Agency Administration	3 credit hours
AJ 210	Criminal Investigation	3 credit hours
CM 115	Public Speaking	3 credit hours
	Humanities General Education or Science with Lab General Education	3-4 credit hours
AJ 211	Criminal Justice Interview and Report Writing	<u>3 credit hours</u>
	Total:	15-16 credit hours
		62-63 credit hour

Programs of Study

SOCIAL AND BEHAVIORAL SCIENCES

HISTORY EMPHASIS

Associate of Arts / Associate of Science

Cloud County Community College has agreements with various Regents Universities across Kansas where students can take courses at CCCC for two years, then transfer into the university system the third year as juniors. Students who plan to major in history may begin this bachelor's degree program at Cloud County Community College.

Contact: Beth Whisler
(785) 243-1435, ext 262
bwhisler@cloud.edu

Minimum General Education Required Courses 31-32 cr

Communication Requirement 9

- CM101 English Composition I (3 cr)
- CM102 English Composition II (3 cr)
- CM115 Public Speaking (3 cr) or
- CM240 Interpersonal Communications (3 cr)

Humanities Requirement (AA- 3 areas required) 9 (AS - 2 areas required) 6

- Art Humanities
- Music Literature
- Theatre Philosophy
- Foreign Language History

Mathematics Requirement 3

- Mathematics General Education Course

Natural Science Requirement (AA- 1 of 2 areas required) 4-5 (AS- 2 of 2 areas required) 8-10

- Biological Science
- Physical Science

Social/Behavioral Science Requirement 6 (AA/AS - 2 areas required)

- Economics Anthropology
- Psychology Political Science
- Sociology Geography

Elective Courses* 30-31 cr

- CS108 Computer Applications 3
- SS120 Western Civilization I 3
- SS121 Western Civilization II 3
- SS122 U.S. History I 3
- SS123 U.S. History II 3
- SS124 Introduction to History 3
- SS140 U.S. Government: National 3
- SS141 U.S. Government: State & Local 3
- SS142 Current Political Issues 3
- Foreign Language Electives 4
- Lab Science Elective 4-5

Credits Required 62

*All electives should be selected with assistance from an advisor. These options are general areas that will transfer to focused majors. Substitutions must be approved by the department chair.

Degree Information: An Associate of Arts or Associates of Science degree with an emphasis in History is designed to enable students to transfer into a variety of programs at K-State, KU, WSU, or other programs across the Midwest. The following list represents a suggested guide toward a program of study and is intended to meet typical requirements of a transfer institution.

Recommended Course Sequence:

- First Semester: CM101, SS122, SS140
- Second Semester: CM102, SS123, SS124, SS141
- Third Semester: SS120, SS142
- Fourth Semester: CM115/CM240, SS121

Requirements: Depending on ACT scores and/or placement exams, students may be required to take developmental courses which may add to the length of study.

After Cloud: The history and elective area courses are designed for students who intend to transfer to four-year institutions to complete educational requirements necessary for careers in areas such as history, teaching, museums, market research, community development and advocacy, and numerous related occupations.

Gainful Employment: Obtaining an Associate of Arts or an Associate of Science degree with an emphasis in history should allow a student to transfer into a four-year baccalaureate program. This degree is not specifically a "School to Work" or "Career Ready" program. Associate degrees would make students more competitive for most entry-level positions. Gainful employment data would be comparable to various entry-level positions at or above minimum wage values.

Transfer Institution Guide: A student who is interested in pursuing a baccalaureate degree should consult a CCCC advisor and the transfer guide and catalog of the four-year institution.



Programs of Study

SOCIAL AND BEHAVIORAL SCIENCES

HISTORY EMPHASIS

Associate of Arts / Associate of Science

Suggested Semester Guideline

Semester 1

SS 122	U.S. History I	3 credit hours
CM 101	English Composition I	3 credit hours
MA 111	College Algebra (or higher)	3 credit hours
SS 140	U.S. Government: National	3 credit hours
	Humanities General Education	<u>3 credit hours</u>
	Total:	15 credit hours

Semester 2

CM 102	English Composition II	3 credit hours
SS 123	U.S. History II	3 credit hours
SS 101	General Psychology	3 credit hours
SS 141	U.S. Government: State and Local	3 credit hours
SS 124	Introduction to History	<u>3 credit hours</u>
	Total:	15 credit hours

Semester 3

	Science with Lab General Education	4 credit hours
SS 120	Western Civilization I	3 credit hours
SS 142	Current Political Issues	3 credit hours
	Foreign Language Elective	4 credit hours
SS 130	Introduction to Sociology	<u>3 credit hours</u>
	Total:	17 credit hours

Semester 4

SS 121	Western Civilization II	3 credit hours
	Humanities General Education (AA) or Science General Education (AS)	3-4 credit hours
CM 115	Public Speaking	3 credit hours
	Humanities General Education	3 credit hours
CS 108	Computer Applications	<u>3 credit hours</u>
	Total:	15-16 credit hours 62 credit hours

¹Electives are any college coursework at or above the 100 level. Students are strongly encouraged to consider transfer institution requirements when choosing elective courses.

Programs of Study

SOCIAL AND BEHAVIORAL SCIENCES

POLITICAL SCIENCE / PRE-LAW EMPHASIS

Associate of Arts / Associate of Science

Cloud County Community College has agreements with various Regents Universities across Kansas where students can take courses at CCCC for two years, then transfer into the university system the third year as juniors. Students who plan to major in political science or pre-law may begin this bachelor's degree program at Cloud County Community College.

Contact: Beth Whisler
(785) 243-1435, ext 262
bwhisler@cloud.edu

Degree Information: An Associate of Arts or Associates of Science degree with an emphasis in Political Science or Pre-Law is designed to enable students to transfer into a variety of programs at K-State, KU, WSU, or other programs across the Midwest. The following list represents a suggested guide toward a program of study and is intended to meet typical requirements of a transfer institution.

Recommended Course Sequence:

First Semester: CM101, SS122, SS140
Second Semester: CM102, SS123, SS141
Third Semester: EC101, SS120,
Fourth Semester: CM115/CM240, EC102, SS121

Requirements: Depending on ACT scores and/or placement exams, students may be required to take developmental courses which may add to the length of study.

After Cloud: The political science and pre-law elective area courses are designed for students who intend to transfer to four-year institutions to complete educational requirements necessary for careers in areas such as attorneys, law, education, research, politicians and other.

Gainful Employment: Obtaining an Associate of Arts or an Associate of Science degree with an emphasis in these areas should allow a student to transfer into a four-year baccalaureate program. This degree is not specifically a "School to Work" or "Career Ready" program. Associate degrees would make students more competitive for most entry-level positions. Gainful employment data would be comparable to various entry-level positions at or above minimum wage values.

Transfer Institution Guide: A student who is interested in pursuing a baccalaureate degree should consult a CCCC advisor and the transfer guide and catalog of the four-year institution.



Minimum General Education Required Courses 31-32 cr

Communication Requirement 9
CM101 English Composition I (3 cr)
CM102 English Composition II (3 cr)
CM115 Public Speaking (3 cr) or
CM240 Interpersonal Communications (3 cr)

Humanities Requirement (AA- 3 areas required) 9
(AS - 2 areas required) 6
Art Humanities
Music Literature
Theatre Philosophy
Foreign Language History

Mathematics Requirement 3
Mathematics General Education Course

Natural Science Requirement (AA- 1 of 2 areas required) 4-5
(AS- 2 of 2 areas required) 8-10
Biological Science
Physical Science

Social/Behavioral Science Requirement 6
(AA/AS - 2 areas required)
Economics Anthropology
Psychology Political Science
Sociology Geography

Elective Courses* 30-31 cr

CS108 Computer Applications 3
EC102 Economics II 3
SS106 Marriage & Family 3
SS120 Western Civilization I 3
SS121 Western Civilization II 3
SS122 U.S. History I 3
SS123 U.S. History II 3
SS141 U.S. Government: State & Local 3
SS142 Current Political Issues 3
Foreign Language Electives 8

Credits Required 62

*All electives should be selected with assistance from an advisor. These options are general areas that will transfer to focused majors. Substitutions must be approved by the department chair.

Programs of Study

SOCIAL AND BEHAVIORAL SCIENCES

POLITICAL SCIENCE / PRE-LAW EMPHASIS

Associate of Arts / Associate of Science

Suggested Semester Guideline

Semester 1

SS 122	U.S. History I	3 credit hours
CM 101	English Composition I	3 credit hours
MA 111	College Algebra (or higher)	3 credit hours
PE110	Total Fitness	1 credit hour
SS 140	U.S. Government: National	3 credit hours
	Humanities General Education	<u>3 credit hours</u>
	Total:	16 credit hours

Semester 2

CM 102	English Composition II	3 credit hours
SS 123	U.S. History II	3 credit hours
SS 101	General Psychology	3 credit hours
SS 141	U.S. Government: State and Local	3 credit hours
	Humanities General Education (AA) or	
	Physical Science with lab General Education (AS)	<u>3-5 credit hours</u>
	Total:	15-17 credit hours

Semester 3

	Bio Science with Lab General Education	4-5 credit hours
SS 120	Western Civilization I	3 credit hours
SS 142	Current Political Issues	3 credit hours
EC 101	Economics I	3 credit hours
SS 130	Introduction to Sociology	<u>3 credit hours</u>
	Total:	16-17 credit hours

Semester 4

SS 121	Western Civilization II	3 credit hours
SS 105	Human Growth and Development	3 credit hours
CM 115	Public Speaking	3 credit hours
	Social Science General Education	3 credit hours
EC 102	Economics II	<u>3 credit hours</u>
	Total:	15 credit hours
		62-65 credit hours

Programs of Study

SOCIAL AND BEHAVIORAL SCIENCES

PSYCHOLOGY EMPHASIS

Associate of Arts / Associate of Science

Cloud County Community College has agreements with various Regents Universities across Kansas where students can take courses at CCCC for two years, then transfer into the university system the third year as juniors. Faculty advisors will direct students toward basic courses needed for the major program at the university of transfer.

Students who plan an emphasis in the area of psychology can train for future careers working with people and making differences in their lives. Future work in counseling, human services, or research in psychology can be examples of students' ultimate goals.

Minimum General Education Required Courses 31-32 cr

<i>Communication Requirement</i>		9
CM101 English Composition I (3 cr)		
CM102 English Composition II (3 cr)		
CM115 Public Speaking (3 cr) or		
CM240 Interpersonal Communications (3 cr)		
<i>Humanities Requirement</i>	(AA- 3 areas required)	9
	(AS - 2 areas required)	6
Art	Humanities	
Music	Literature	
Theatre	Philosophy	
Foreign Language	History	
<i>Mathematics Requirement</i>		3
Mathematics General Education Course		
<i>Natural Science Requirement</i>	(AA- 1 of 2 areas required)	4-5
	(AS- 2 of 2 areas required)	8-10
Biological Science		
Physical Science		
<i>Social/Behavioral Science Requirement</i>		6
	(AA/AS - 2 areas required)	
Economics	Anthropology	
Psychology	Political Science	
Sociology	Geography	

Elective Courses* 30-31 cr

CS108 Computer Applications	3
SS102 Abnormal Psychology	3
SS105 Human Growth & Development	3
SS106 Marriage & Family	3
SS107 Human Sexuality	3
SS201 Social Problems	3
History Elective	3
Social Science Elective**	3
Lab Science Elective	4-5
Foreign Language Elective	8

**SS130 Intro to Sociology - suggested

Credits Required 62

*All electives should be selected with assistance from an advisor. These options are general areas that will transfer to focused majors. Substitutions must be approved by the department chair.

Contact: Beth Whisler
(785) 243-1435, ext 262
bwhisler@cloud.edu

Degree Information: The Associate of Arts or Associates of Science degree with an emphasis in Psychology is designed for the student planning to transfer to a four-year baccalaureate degree program in psychology.

Recommended Course Sequence:

First Semester: CM101, SS101
Second Semester: CM102, SS102, SS105
Third Semester: SS106, SS130
Fourth Semester: SS107, CM115/CM240

Requirements: Depending on ACT scores and/or placement exams, students may be required to take developmental courses which may add to the length of study.

After Cloud: The general education and social science classes are designed for students who intend to transfer to four-year institutions to complete education requirements. A few examples of careers would be in such areas as mental health, addictions, crisis and intervention.

Gainful Employment: This program results in an Associate of Arts or an Associate of Science degree which prepares students for further study at a four-year institution. Students who obtain a bachelor's degree in this field could apply these skills to careers working in rehabilitation, vocational, or school counseling. According to the Kansas Department of Labor, people working in these areas could expect to make from \$40,200 to \$50,140.

Obtaining an Associate of Science degree with an emphasis in this area should allow a student to transfer into a four-year program. This degree is not specifically a "School to Work" or "Career Ready" program. Associate degrees would make students more competitive for most entry-level positions. Gainful employment data would be comparable to various entry-level positions at or above minimum wage values.

Transfer Institution Guide: A student who is interested in pursuing a baccalaureate degree should consult a CCCC advisor and the transfer guide and catalog of the four-year institution.



Programs of Study

SOCIAL AND BEHAVIORAL SCIENCES

PSYCHOLOGY EMPHASIS

Associate of Arts / Associate of Science

Suggested Semester Guideline

Semester 1

SS 122	U.S. History	3 credit hours
CM 101	English Composition I	3 credit hours
MA 111	College Algebra	3 credit hours
SS 101	General Psychology	3 credit hours
MU 100	Music Appreciation	<u>3 credit hours</u>
Total:		15 credit hours

Semester 2

CM 102	English Composition II	3 credit hours
SS 105	Human Growth and Development	3 credit hours
SS 102	Abnormal Psychology	3 credit hours
SS 142	U.S. Government: National	3 credit hours
SS 124	Introduction to History	<u>3 credit hours</u>
Total:		16 credit hours

Semester 3

	Science with Lab General Education	4 credit hours
SS 106	Marriage and Family	3 credit hours
	Foreign Language Elective	4 credit hours
SS 130	Introduction to Sociology	3 credit hours
	Elective ¹	<u>3 credit hours</u>
Total:		17 credit hours

Semester 4

SS 107	Human Sexuality	3 credit hours
SS 201	Social Problems	3 credit hours
CM 115	Public Speaking	3 credit hours
	Humanities General Education or	
	Science with Lab General Education	3 credit hours
CS 108	Computer Applications	<u>3 credit hours</u>
Total:		15 credit hours
		62 credit hours

⁵Electives are any college coursework at or above the 100 level. Students are strongly encouraged to consider transfer institution requirements when choosing elective courses.

Programs of Study

SOCIAL AND BEHAVIORAL SCIENCES

SOCIOLOGY, PRE-SOCIAL WORK, COUNSELING EMPHASIS

Associate of Arts / Associate of Science

Cloud County Community College has agreements with various Regents Universities across Kansas where students can take courses at CCCC for two years, then transfer into the university system the third year as juniors. Students who plan to major in a sociology, pre-social work, or counseling emphasis may begin this bachelor's degree program at Cloud County Community College. Sociology, social work, or counseling majors with bachelor's degrees enter a profession with lots of competition, but employment is projected to grow over the coming decade.

Contact: Beth Whisler
(785) 243-1435, ext 262
bwhisler@cloud.edu

Degree Information: An Associate of Arts or Associates of Science degree with an emphasis in Sociology, Social Work, or Counseling is designed to enable students to transfer to a four-year baccalaureate degree program in these areas. The following list represents a suggested guide toward a program of study and is intended to meet typical requirements of a transfer institution.

Minimum General Education Required Courses 31-32 cr

Communication Requirement 9

- CM101 English Composition I (3 cr)
- CM102 English Composition II (3 cr)
- CM115 Public Speaking (3 cr) or
- CM240 Interpersonal Communications (3 cr)

Humanities Requirement (AA- 3 areas required) 9
(AS - 2 areas required) 6

- Art Humanities
- Music Literature
- Theatre Philosophy
- Foreign Language History

Mathematics Requirement 3
Mathematics General Education Course

Natural Science Requirement (AA- 1 of 2 areas required) 4-5
(AS- 2 of 2 areas required) 8-10

- Biological Science
- Physical Science

Social/Behavioral Science Requirement (AA/AS - 2 areas required) 6

- Economics Anthropology
- Psychology Political Science
- Sociology Geography

Elective Courses* 30-31 cr

- CS108 Computer Applications 3
- EC101 Economics I 3
- HE124 Nutrition 3
- MA114 Elementary Statistics 3
- PH100 Intro to Philosophy 3
- SS101 General Psychology (suggested) 3
- SS102 Abnormal Psychology (suggested) 3
- SS105 Human Growth & Development (suggested) 3
- SS106 Marriage & Family (suggested) 3
- SS107 Human Sexuality (suggested) 3
- SS129 Introduction to Social Work (suggested) 3
- SS130 Introduction to Sociology (suggested) 3
- SS201 Social Problems 3
- SS140 U.S. Government: National 3
- SS141 U.S. Government: State & Local 3

Credits Required 62

*All electives should be selected with assistance from an advisor. These options are general areas that will transfer to focused majors. Substitutions must be approved by the department chair.

Recommended Course Sequence:

First Semester: CM101, SS101
Second Semester: CM102, SS105,
Third Semester: SS106, SS102, SS130
Fourth Semester: SS107, SS140/SS141, CM115/CM240

Requirements: Depending on ACT scores and/or placement exams, students may be required to take developmental courses which may add to the length of study.

After Cloud: The general education and social science classes are designed for students who intend to transfer to four-year institutions. A few examples of careers that people might consider in any of the three emphases could include social services, crisis intervention, or assisting with sociological research.

Gainful Employment: Obtaining an Associate of Science degree with an emphasis in this area should allow a student to transfer into a four-year program. This degree is not specifically a "School to Work" or "Career Ready" program. Associate degrees would make students more competitive for most entry-level positions. Gainful employment data would be comparable to various entry-level positions at or above minimum wage values.

Transfer Institution Guide: A student who is interested in pursuing a baccalaureate degree should consult a CCCC advisor and the transfer guide and catalog of the four-year institution.



Programs of Study

SOCIAL AND BEHAVIORAL SCIENCES

SOCIOLOGY, PRE-SOCIAL WORK, COUNSELING EMPHASIS

Associate of Arts / Associate of Science

Suggested Semester Guideline

Semester 1

CM 101	English Composition I	3 credit hours
MU 100	Music Appreciation	3 credit hours
SS 124	Introduction to History	3 credit hours
MA 111	College Algebra (or higher)	3 credit hours
SS 101	General Psychology	<u>3 credit hours</u>
	Total:	15 credit hours

Semester 2

CM 102	English Composition II	3 credit hours
SS 105	Human Growth and Development	3 credit hours
CM 123	American Literature II	3 credit hours
MA 114	Elementary Statistics	3 credit hours
SS 142	Current Political Issues	<u>3 credit hours</u>
	Total:	15 credit hours

Semester 3

HE124	Nutrition	3 credit hours
SS 106	Marriage and Family	3 credit hours
SS 102	Abnormal Psychology	3 credit hours
SC 110	Principles of Biology	5 credit hours
SS 130	Introduction to Sociology	<u>3 credit hours</u>
	Total:	17 credit hours

Semester 4

	Humanities General Education or Physical Science with Lab General Education	3-4 credit hours	
SS 107	Human Sexuality	3 credit hours	
PH 100	Introduction to Philosophy	3 credit hours	
SS 141	U.S. Government: State and Local	3 credit hours	
CM 115	Public Speaking or CM240 Interpersonal Communication	<u>3 credit hours</u>	
	Total:	15-16 credit hours	62-63 credit hours

Programs of Study

TECHNICAL STUDIES

TECHNICAL STUDIES Associate of Applied Science

The Associate of Applied Studies offers an opportunity for students to continue technical coursework from two or more approved technical programs. This will allow students to gain skills in emerging occupations or meet employer needs by blending courses from multiple technical disciplines into a single approved degree program. This is an individualized program of study between the student and their advisor using courses from Kansas Board of Regents Career and Technical approved programs.



Programs of Study

UNMANNED AIRCRAFT SYSTEMS

sUAS (Drones)

Associate of Applied Science

Across the U.S. and around the world, small unmanned aircraft systems (sUAS; under 55 lbs.) are rapidly transforming businesses and industries. UAV's, or drones, are projected to be a \$21 billion industry by 2022. UAV's are already being implemented in agriculture, infrastructure, package delivery, EMS, law enforcement, wind turbine blade inspections, utility substation and power line inspections, wildlife monitoring and reporting, mining, pipeline inspection, and real estate to name just a few. Almost every industry in the next few years will be utilizing UAVs in some capacity. The CCCC sUAS program provides training for students who want to become involved in an industry in its infancy. CCCC offers a one-year certificate and a two-year Associate of Applied Science degree program in sUAS.

AG220 Cooperative Ed Internships	1-4
AR129 Intro to Digital Photography	3
AR210 Digital Video Techniques	3
MG102 Small Business Management	3
WE105 Employability Skills, Safety, & Blueprint Reading	3
WE280 Wind Energy Technology Internship	4

Credits Required 62

*All electives should be selected with assistance from an advisor. These options are general areas that will transfer to focused majors. Substitutions must be approved by the Department Chair.

Contact: Bruce Graham
(785) 243-1435, ext 256
bgraham@cloud.edu

Degree Information: The awarding of an Associate of Applied Science requires a student to complete a minimum of 45 elective credit hours (technical) in addition to the 19 hours of General Education listed above.

Recommended Course Sequence:

First Semester: UA100, WE110, WE250
Second Semester: UA201, UA210, WE240
Third Semester: WE255
Fourth Semester: WE105, WE280

Gainful Employment: The two-year degree, coupled with an optional internship with one of our industry partners, will give you a good foundation for employment in the industry. The annual pay for a sUAS pilot ranges from \$45,000 to \$60,000. With 100 hours of logged flight time and one year of experience, salary will be in the \$60,000 to \$80,000 range. The graduate will also have an opportunity to begin his own business within a new fast growing industry.

Industry Recognition: Cloud County Community College (CCCC) is the only college in Kansas approved to offer an Associate of Applied Science degree in Wind Energy Technology (WET). The WET program received the American Wind Energy Association (AWEA) Seal of Approval award for Wind Turbine Service Technicians in 2011.

Transfer Institution Guide: A student who is interested in pursuing a baccalaureate degree should consult a CCCC advisor and the transfer guide and catalog of the four-year institution.

General Education Required Courses 19cr

Communication Requirement	6
CM101 English Composition I (3 cr)	
CM115 Public Speaking (3 cr) or	
CM240 Interpersonal Communication (3 cr)	
Humanities Requirement (1 of 8 areas required)	3
Art Humanities	
Music Literature	
Theatre Philosophy	
Foreign Language History	
Mathematics Requirement	3
MA105 Survey of Math (3 cr) or	
MA110 Intermediate Algebra (3cr) or	
Mathematics General Education Course	
Natural Science Requirement	4
Science Gen Ed Course	
SC107 Meteorology (4 cr) (suggested)	
Social/Behavioral Science Requirement (1 of 6 areas required)	3
Economics Anthropology	
Psychology Political Science	
Sociology Geography	

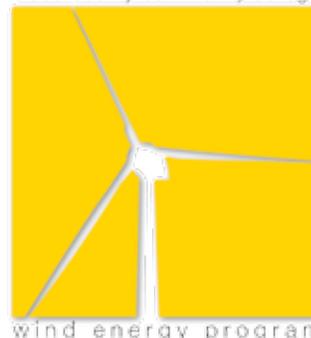
Required Courses * 21 cr

UA100 Intro to UAV's	3
UA201 sUAS Command, Control, & Comm.	3
UA210 sUAS Systems & Conceptual Design	3
WE110 Electrical Theory	3
WE240 GIS/GPS	3
WE250 Data Acquisition and Communications	3
WE255 Airfoils and Composite Repair	3

Elective Courses * 22 cr

AG132 Ag Management	3
AG255 Precision Ag Hardware	3
AG256 Precision Ag Software	3
AG257 Precision Ag Machine Data Management	3
AG210 Ag Advertising & Design	3
AG217 Farm Computer Applications	3

cloud county community college



wind energy program

Programs of Study

UNMANNED AIRCRAFT SYSTEMS

sUAS (Drones)

Associate of Applied Science Suggested Semester Guideline

Semester 1

CM 101	English Composition I	3 credit hours
	Mathematics General Education	3 credit hours
UA100	Introduction to UAV's	3 credit hours
WE110	Electrical Theory	3 credit hours
WE250	Data Acquisition and Communications	<u>3 credit hours</u>
	Total:	15 credit hours

Semester 2

UA201	sUAS Command, Control, & Communication	3 credit hours
UA210	sUAS Systems & Conceptual Design	3 credit hours
WE240	GIS / GPS	3 credit hours
	AG, MG, or WE Elective	3 credit hours
	AG, MG, or WE Elective	3 credit hours
	Cooperative Ed Internship	<u>1 credit hours</u>
	Total:	16 credit hours

Semester 3

CM115	Public Speaking	3 credit hours
	Social Science General Education	3 credit hours
WE255	Airfoils and Composite Repair	3 credit hours
	AG, MG, or WE Elective	3 credit hours
	AG, MG, or WE Elective	<u>3 credit hours</u>
	Total:	15 credit hours

Semester 4

SC107	Meteorology with Lab	4 credit hours
	Humanities General Education	3 credit hours
	AG, MG, or WE Elective	3 credit hours
	AG, MG, or WE Elective	3 credit hours
	AG, MG, or WE Elective	<u>3 credit hours</u>
	Total:	16 credit hours
		62 credit hours

Programs of Study

UNMANNED AIRCRAFT SYSTEMS

sUAS (Drones) 30-Hour Certificate

General Education Required Courses 6 cr

<i>Communication Requirement</i>	3
CM101 English Composition I (3 cr)	
<i>Mathematics Requirement</i>	3
Intermediate Algebra or Mathematics General Education Course	

Required Courses 15 cr

UA100 Intro to UAV's	3
UA201 sUAS Command, Control, & Comm.	3
UA210 sUAS Systems & Conceptual Design	3
WE110 Electrical Theory	3
WE240 GIS/GPS	3

Elective Courses * 9 cr

AG132 Ag Management	3
AG250 Data Acquisition & Communications **	3
AG255 Precision Ag Hardware	3
AG256 Precision Ag Software	3
AG257 Precision Ag Machine Data Management	3
AG210 Ag Advertising & Design	3
AG217 Farm Computer Applications	3
AG220 Cooperative Ed Internships	1-4
AR129 Intro to Digital Photography	3
AR210 Digital Video Techniques	3
MG102 Small Business Management	3
WE105 Employability Skills, Safety, & Blueprint Reading	3

Credits Required 30

*All electives should be selected with assistance from an advisor. These options are general areas that will transfer to focused majors. Substitutions must be approved by the department chair.

**Suggested



Programs of Study

UNMANNED AIRCRAFT SYSTEMS

sUAS (Drones)

30-Hour Certificate

Suggested Semester Guideline

Semester 1

CM 101	English Composition I	3 credit hours
	Mathematics General Education	3 credit hours
UA100	Introduction to UAV's	3 credit hours
WE110	Electrical Theory	3 credit hours
	AG, MG, or WE Elective	<u>3 credit hours</u>
	Total:	15 credit hours

Semester 2

UA201	sUAS Command, Control, & Communication	3 credit hours
UA210	sUAS Systems & Conceptual Design	3 credit hours
WE240	GIS / GPS	3 credit hours
	AG, MG, or WE Elective	3 credit hours
	AG, MG, or WE Elective	<u>3 credit hours</u>
	Total:	15 credit hours
		30 credit hours

Programs of Study

WIND ENERGY TECHNOLOGY

WIND ENERGY TECHNOLOGY (WET)

Associate of Applied Science

This educational program will produce a qualified workforce of Wind Energy Technicians to serve the emerging wind industry throughout the United States and potentially worldwide. Graduates of the program will possess the necessary skills to secure a position with a modern commercial wind farm operation or an industry career related to the production of electrical energy.

Contact: Bruce Graham
(785) 243-1435, ext 256
bgraham@cloud.edu

Degree Information: The awarding of an Associate of Applied Science requires a student to complete a minimum of 45 elective credit hours (technical) in addition to the 19 hours of General Education listed above.

General Education Required Courses 19 cr

<i>Communication Requirement</i>	6
CM101 English Composition I (3 cr)	
CM115 Public Speaking (3 cr) or	
CM240 Interpersonal Communication (3 cr)	
<i>Humanities Requirement (1 of 8 areas required)</i>	3
Art Humanities	
Music Literature	
Theatre Philosophy	
Foreign Language History	
<i>Mathematics Requirement</i>	3
MA110 Intermediate Algebra (3 cr) or	
Mathematics General Education Course	
<i>Natural Science Requirement</i>	4
SC107 Meteorology (4 cr)	
<i>Social/Behavioral Science Requirement</i>	3
SS101 General Psychology (3 cr)	

Recommended Course Sequence:

First Semester: WE100, WE110, WE150
Second Semester: WE120, WE210, WE225, WE230, WE265
Third Semester: WE255, WE270
Fourth Semester: WE105, WE250, WE260

Requirements:

-Formal application to the Wind Energy program
-Doctor's physical examination documentation

Gainful Employment: The two-year degree, coupled with an optional internship with one of our industry partners, results in a high success rate of wind industry hire for our graduates. The annual pay for a Wind Tech ranges from \$45,000 to \$60,000. Graduates are usually hired as a Wind Tech I, then easily advance to Wind Tech II and increased salary the 1st year. A traveling Wind Tech can expect an annual pay range from \$60,000 to \$72,000.

Industry Recognition: Cloud County Community College (CCCC) is the only college in Kansas approved to offer an Associate of Applied Science degree in Wind Energy Technology (WET). The WET program received the American Wind Energy Association (AWEA) Seal of Approval award for Wind Turbine Service Technicians in 2011.

Transfer Institution Guide: A student who is interested in pursuing a baccalaureate degree should consult a CCCC advisor and the transfer guide and catalog of the four-year institution.

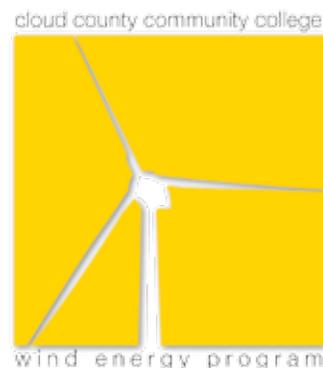
Required Courses* 45 cr

CS155 Networking & Computer Technology	3
SC109 Applied Physics	3
WE100 Introduction to Wind Energy	3
WE105 Employability Skills, Safety, & Blueprint Reading	3
WE110 Electrical Theory	3
WE120 Hydraulics	3
WE150 Mechanical Systems	3
WE210 Electronics	3
WE225 Motors, Generators, PLC's	3
WE230 Substation & Voltage Regulations	3
WE250 Data Acquisition & Communication	3
WE255 Airfoils and Composite Repair	3
WE260 Wind Turbine Siting or	
WE240 GIS/GPS	3
WE265 Field Training & Project Operations	3
WE270 Transformer Theory	3

Credits Required 64

*All electives should be selected with assistance from an advisor. These options are general areas that will transfer to focused majors. Substitutions must be approved by the department chair.

WET internships are available. Visit with department chair for information.



Programs of Study

WIND ENERGY TECHNOLOGY

WIND ENERGY TECHNOLOGY (WET)

Associate of Applied Science
Suggested Semester Guideline

Semester 1

CM 101	English Composition I	3 credit hours
MA110	Intermediate Algebra	3 credit hours
CS 155	Networking and Computer Technology	3 credit hours
WE 100	Introduction to Wind Energy	3 credit hours
WE110	Electrical Theory	3 credit hours
WE150	Mechanical Systems	<u>3 credit hours</u>
	Total:	18 credit hours

Semester 2

WE120	Hydraulics	3 credit hours
WE210	Electronics	3 credit hours
WE225	Motors, Generators, & PLCs	3 credit hours
WE 230	Substation & Voltage Regulation	3 credit hours
WE265	Field Training & Project Operations	<u>3 credit hours</u>
	Total:	15 credit hours

Semester 3

CM115	Public Speaking or CM240 Interpersonal Communications	3 credit hours
SC107	Meteorology	4 credit hours
SC109	Applied Physics	3 credit hours
WE255	Airfoils and Composite Repair	3 credit hours
WE270	Transformer Theory	<u>3 credit hours</u>
	Total:	16 credit hours

Semester 4

SS101	General Psychology	3 credit hours
	Humanities General Education	3 credit hours
WE105	Employability Skills, Safety, & Blueprint Reading	3 credit hours
WE250	Data Acquisition and Communications	3 credit hours
WE260	Wind Turbine Siting or WE240 GIS/GPS	<u>3 credit hours</u>
	Total:	15 credit hours
		64 credit hours

Programs of Study

WIND ENERGY TECHNOLOGY

WIND ENERGY TECHNOLOGY (WET)

33-Hour Certificate

This educational program will produce a qualified workforce of Wind Energy Technicians to serve the emerging wind industry throughout the United States and potentially worldwide. Graduates of the program will possess the necessary skills to secure a position with a modern commercial wind farm operation or an industry career related to the production of electrical energy. A certificate is part of a stackable degree plan where a student who takes the first year of the associate program can get gainful employment based upon receiving a certification in the discipline.

General Education Required Courses 6 cr

<i>Communication Requirement</i>	3
CM101 English Composition I (3 cr)	
<i>Mathematics Requirement</i>	3
MA110 Intermediate Algebra (3 cr) or Mathematics General Education Course	

Required Courses 27 cr

CS155 Networking & Computer Technology	3
WE100 Introduction to Wind Energy	3
WE110 Electrical Theory	3
WE120 Hydraulics	3
WE150 Mechanical Systems	3
WE210 Electronics	3
WE225 Motors, Generators, PLC's	3
WE230 Substation & Voltage Regulations	3
WE265 Field Training & Project Operations	3

Credits Required 33

*All electives should be selected with assistance from an advisor. These options are general areas that will transfer to focused majors. Substitutions must be approved by the department chair.

WET internships are available. Visit with department chair for information.

Contact: Bruce Graham
(785) 243-1435, ext 256
bgraham@cloud.edu

Degree Information: The awarding of an Associate of Applied Science requires a student to complete a minimum of 45 elective credit hours (technical) in addition to the 19 hours of General Education listed above. Certificates are usually the first two semesters of a sequence listed.

Recommended Course Sequence:

First Semester: WE100, WE110, WE150
Second Semester: WE120, WE210, WE225, WE230, WE265

Requirements:

- Formal application to the Wind Energy program
- Doctor's physical examination documentation

After Cloud: Students can gain immediate, entry-level employment in the Wind Energy Technology field, or if already employed, obtain career advancement opportunities. Students can transfer to a university or college to pursue a bachelor's degree. A logical choice in Kansas would be Kansas State Polytechnic which has a 2 plus 2 agreement with CCCC to obtain a BS in Engineering Technology or Technology Management.

Gainful Employment: The two-year degree, coupled with an optional internship with one of our industry partners, results in a high success rate of wind industry hire for our graduates. The annual pay for a Wind Tech ranges from \$45,000 to \$60,000. Graduates are usually hired as a Wind Tech I, then easily advance to Wind Tech II and increased salary the 1st year. A traveling Wind Tech can expect an annual pay range from \$60,000 to \$72,000.

Industry Recognition: Cloud County Community College (CCCC) is the only college in Kansas approved to offer an Associate of Applied Science degree in Wind Energy Technology (WET). The WET program received the American Wind Energy Association (AWEA) Seal of Approval award for Wind Turbine Service Technicians in 2011.

Transfer Institution Guide: A student who is interested in pursuing a baccalaureate degree should consult a CCCC advisor and the transfer guide and catalog of the four-year institution.



Programs of Study

WIND ENERGY TECHNOLOGY

WIND ENERGY TECHNOLOGY (WET)

33-Hour Certificate

Suggested Semester Guideline

Semester 1

CM 101	English Composition I	3 credit hours
MA 110	Intermediate Algebra	3 credit hours
CS 155	Networking and Computer Technology	3 credit hours
WE 100	Introduction to Wind Energy	3 credit hours
WE 110	Electrical Theory	3 credit hours
WE 150	Mechanical Systems	<u>3 credit hours</u>
	Total:	18 credit hours

Semester 2

WE 120	Hydraulics	3 credit hours
WE 210	Electronics	3 credit hours
WE 225	Motors, Generators, & PLCs	3 credit hours
WE 230	Substation & Voltage Regulation	3 credit hours
WE 265	Field Training & Project Operations	<u>3 credit hours</u>
	Total:	15 credit hours
		33 credit hours

Programs of Study

WIND ENERGY TECHNOLOGY

SUBSTATION TECHNICIAN

33-Hour Certificate

bgraham@cloud.edu

This educational program will produce a qualified workforce of Wind Energy Technicians to serve the emerging wind industry throughout the United States and potentially worldwide. Graduates of the program will possess the necessary skills to secure a position with a modern commercial wind farm operation or an industry career related to the production of electrical energy. A certificate is part of a stackable degree plan where a student who takes the first year of the associate program can get gainful employment based upon receiving a certification in the discipline.

General Education Required Courses 3 cr

<i>Mathematics Requirement</i>	3
MA110 Intermediate Algebra (3 cr) or Mathematics General Education Course	

Required Courses 30 cr

WE105 Employability Skills, Safety, & Blueprint Reading	3
WE110 Electrical Theory	3
WE202 Electrical Power Delivery	3
WE210 Electronics	3
WE215 Electrical System Protection & Coordination	3
WE225 Motors, Generators, PLC's	3
WE227 PLC's	3
WE230 Substation & Voltage Regulations	3
WE250 Data Acquisition & Communication	3
WE270 Transformer Theory	3

Credits Required 33

*All electives should be selected with assistance from an advisor. These options are general areas that will transfer to focused majors. Substitutions must be approved by the department chair.

Contact: Bruce Graham

(785) 243-1435 ext 256



Degree Information: The awarding of an Associate of Applied Science requires a student to complete a minimum of 45 elective credit hours (technical) in addition to the 19 hours of General Education listed above. Certificates are usually the first two semesters of a sequence listed.

Recommended Course Sequence:

First Semester: WE110, WE202, WE227, WE250, WE270

Second Semester: WE105, WE210, WE215, WE225, WE230, WE265

Requirements:

- Formal application to the Wind Energy program
- Doctor's physical examination documentation

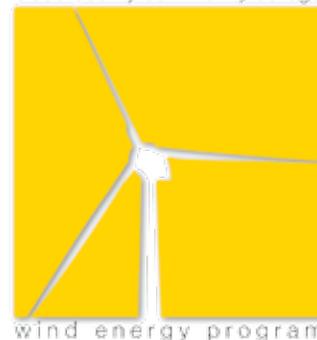
After Cloud: Students can gain immediate, entry-level employment in the Wind Energy Technology field, or if already employed, obtain career advancement opportunities. Students can transfer to a university or college to pursue a bachelor's degree. A logical choice in Kansas would be Kansas State Polytechnic which has a 2 plus 2 agreement with CCCC to obtain a BS in Engineering Technology or Technology Management.

Gainful Employment: The two-year degree, coupled with an optional internship with one of our industry partners, results in a high success rate of wind industry hire for our graduates. The annual pay for a Wind Tech ranges from \$45,000 to \$60,000. Graduates are usually hired as a Wind Tech I, then easily advance to Wind Tech II and increased salary the 1st year. A traveling Wind Tech can expect an annual pay range from \$60,000 to \$72,000.

Industry Recognition: Cloud County Community College (CCCC) is the only college in Kansas approved to offer an Associate of Applied Science degree in Wind Energy Technology (WET). The WET program received the American Wind Energy Association (AWEA) Seal of Approval award for Wind Turbine Service Technicians in 2011.

Transfer Institution Guide: A student who is interested in pursuing a baccalaureate degree should consult a CCCC advisor and the transfer guide and catalog of the four-year institution.

cloud county community college



wind energy program

Programs of Study

WIND ENERGY TECHNOLOGY

SUBSTATION TECHNICIAN

33-Hour Certificate

Suggested Semester Guideline

Semester 1

MA 110	Intermediate Algebra	3 credit hours
WE 110	Electrical Theory	3 credit hours
WE 202	Electrical Power Delivery	3 credit hours
WE 227	PLCs	3 credit hours
WE 250	Data Acquisition and Communications	3 credit hours
WE 270	Transformer Theory	<u>3 credit hours</u>
	Total:	18 credit hours

Semester 2

WE 105	Employability Skills, Safety, & Blueprint Reading	3 credit hours
WE 210	Electronics	3 credit hours
WE 215	Electrical System Protection & Coordination	3 credit hours
WE 225	Motors, Generators, & PLCs	3 credit hours
WE 230	Substation & Voltage Regulation	<u>3 credit hours</u>
	Total:	15 credit hours
		33 credit hours

Programs of Study

WIND ENERGY TECHNOLOGY

BLADE REPAIR 16-Hour Certificate

This educational program will produce a qualified workforce of Wind Energy Technicians to serve the emerging wind industry throughout the United States and potentially worldwide. Graduates of the program will possess the necessary skills to secure a position with a modern commercial wind farm operation or an industry career related to the production of electrical energy. A certificate is part of a stackable degree plan where a student who takes the first year of the associate program can get gainful employment based upon receiving a certification in the discipline. The Blade Repair Certification is typically “additional training” in the area of composites and repairs.

General Education Required Courses 3 cr

<i>Communication Requirement</i>	3
CM101 English Composition I (3 cr)	

Required Courses 13 cr

WE100 Introduction to Wind Energy	3
WE255 Airfoils and Composite Repair	3
WE257 Applied Airfoils	3
WE262 Blade Repair Operations	4

Credits Required 16

*All electives should be selected with assistance from an advisor. These options are general areas that will transfer to focused majors. Substitutions must be approved by the department chair.

Contact: Bruce Graham
(785) 243-1435, ext 256
bgraham@cloud.edu

Degree Information: Certificate options are general areas that will provide employment opportunities in various areas of Wind Energy Technology.

Recommended Course Sequence:

First Semester: WE100, WE255, WE257, WE262

Requirements:

- Formal application to the Wind Energy program
- Doctor's physical examination documentation

After Cloud: Students can gain immediate, entry-level employment in the Wind Energy Technology field, or if already employed, obtain career advancement opportunities. Students can transfer to a university or college to pursue a bachelor's degree. A logical choice in Kansas would be Kansas State Polytechnic which has a 2 plus 2 agreement with CCCC to obtain a BS in Engineering Technology or Technology Management.

Gainful Employment: The two-year degree, coupled with an optional internship with one of our industry partners, results in a high success rate of wind industry hire for our graduates. The annual pay for a Wind Tech ranges from \$45,000 to \$60,000. Graduates are usually hired as a Wind Tech I, then easily advance to Wind Tech II and increased salary the 1st year. A traveling Wind Tech can expect an annual pay range from \$60,000 to \$72,000.

Industry Recognition: Cloud County Community College (CCCC) is the only college in Kansas approved to offer an Associate of Applied Science degree in Wind Energy Technology (WET). The WET program received the American Wind Energy Association (AWEA) Seal of Approval award for Wind Turbine Service Technicians in 2011.

Transfer Institution Guide: A student who is interested in pursuing a baccalaureate degree should consult a CCCC advisor and the transfer guide and catalog of the four-year institution.



Programs of Study

WIND ENERGY TECHNOLOGY

BLADE REPAIR

16-Hour Certificate

Suggested Semester Guideline

Semester 1

CM 101	English Composition I	3 credit hours
WE 100	Introduction to Wind Energy	3 credit hours
WE 255	Airfoils and Composite Repair	3 credit hours
WE 257	Applied Airfoils	3 credit hours
WE 262	Blade Repair Operations	<u>4 credit hours</u>
Total:		16 credit hours



Course Descriptions

▶ The courses noted with this symbol qualify for guaranteed transfer. Visit www.kansasregents.org/transfer_articulation for more information.

AGRICULTURE

*AG101 PLANT SCIENCE.....4

Is a transfer course designed to acquaint students with the botanical principles underlying plant growth, development and reproduction. Three hours lecture and one hour laboratory each week.

AG102 INTRODUCTION TO PLANT PEST CONTROL3

This course emphasizes the importance of pest control. Topics covered include the techniques of preventing damage to agriculture crops due to weeds, insects, diseases or nematodes, pesticide use, weed ecology, insects/entomology, and specific pest problems for individual crops.

AG103 PLANT AND SOILS FOR CROP PRODUCTION.....3

Covers the biological factors governing crop yield and the culture of major crops in the area. Prerequisite: Plant Science and Soils.

*AG104 SOILS4

Covers fundamental principles underlying the formation, fertility and management of soils. Three hours lecture and one extended laboratory per week are required. Prerequisite: Chemistry I or General Chemistry.

AG105 RANGE MANAGEMENT3

An in-depth look at the management of grazing resources including ecology, economics, burning, brush and weed control, grazing systems and complementary grazing crops.

AG106 SOIL CLASSIFICATION AND EVALUATION1

An exercise in classifying and evaluating soils according to criteria recognized by USDA soil scientists. Soils are evaluated for their usefulness for agriculture and engineering purposes.

*AG107 AGRONOMY IDENTIFICATION AND.....1 EXPERIMENTATION

This course is designed to develop in students an ability to quickly and accurately identify plants by seed and vegetative characteristics and analyze seed samples for impurities. Students will prepare for national competition in agronomy.

AG108 ENVIRONMENTAL QUALITY.....3

Is designed to acquaint land managers with the impact of various practices on such environmental parameters as groundwater, fish and wildlife, as well as to introduce methods of improving the environment on a local scale. Means of utilizing under-used natural resources in a profitable and ecologically sound manner will be stressed. Prerequisite: Chemistry I

*AG109 ENVIRONMENTAL QUALITY LAB.....1

Is designed to allow students to experience concepts discussed in Environmental Quality lecture class. One extended laboratory per week, with frequent field trips. Prerequisite: concurrent enrollment in Environmental Quality.

AG111 ANIMAL MANAGEMENT3

Animal Management helps to acquaint agricultural students with production aspects of the livestock industry. It introduces the basic concepts of inheritance, breeding systems, nutrition and physiology of reproduction; concepts of lactation, growth, health, and muscular work; and acquaints students with marketing procedures.

*AG112 AGRONOMY IDENTIFICATION AND.....1 EXPERIMENTATION II

This course is designed to guide students to quickly and accurately identify crops and weed species (both plant and seed) identification, identify pests of crops including insects and diseases, and distinguish common farming implements. All of these aspects are directed toward competition in the year-end national contests.

AG115 ANIMAL SCIENCE3

Helps to acquaint agricultural students with the scope of the livestock, dairy, and poultry industries. It introduces the basic concepts of inheritance, breeding systems, nutrition and physiology of reproduction; concepts of lactation, growth, egg laying and muscular work; and acquaints students with marketing procedures, carcass and slaughter grades, principles of carcass grading and aids in the evaluation of live animals.

AG116 PRINCIPLES OF FEEDING3

This course applies basic nutrition principles to the feeding of livestock, evaluation of feedstuff, and formulating rations through practical feeding problems. Special emphasis is given to anatomical and physiological differences as they affect the use of particular feedstuffs for each species while applying the theory of practical economy. This course combines lecture and lab.

AG118 PRINCIPLES OF LIVESTOCK SELECTION I.....2

This course will consist of the evaluation and appraisal of market livestock and their carcasses and breeding livestock based on visual appraisal and performance records in an effort to organize and justify comparative decisions by presenting oral reasons. This class is designed to make each student more adept at evaluating differences in animals of the same species.

AG119 PRINCIPLES OF LIVESTOCK SELECTION II1

This course will consist of the advanced evaluation and appraisal of market livestock and their carcasses and breeding livestock based on visual appraisal and performance records in an effort to organize and justify comparative decisions by presenting oral reasons. Prerequisite: Principles of Livestock Selection I.

Course Descriptions

***AG122 INTRODUCTION TO HORSEMANSHIP.....2**

Introduction to Horsemanship helps to acquaint students with basic concepts involved in working with horses. This class will stress safety when working with equines for both the human and the horse. Students will study horse psychology including inherited and learned behavior, methods of communicating, and training. This course includes hands on practice and observation.

AG123 BEEF SCIENCE3

Will cover techniques and management practices used in commercial and purebred cow-calf operations, as well as feeder cattle and feedlot operations. Field trips and hands-on practicums are an integral part of this course.

AG125 HORSE SCIENCE3

Horse Science is a study of the basic principles of animal agriculture specifically related to the equine industry. Prerequisite: Animal Science or consent of instructor.

***AG127 AGRICULTURE SCIENCE FOR AGRI-BIOTECHNOLOGY.....4**

This class is designed to provide students with a background in biotechnology laboratory techniques and practices in the context of plant and animal systems. Topics will include differences between prokaryotic and eukaryotic cells, differences between plant and animal cells, and basic plant biology. This class will demonstrate common laboratory equipment sequencing, isolation, and amplification (PCR).

AG128 ANIMAL HEALTH AND NUTRITION3

A study of the factors that influence animal health and proper nutrition. Typical species (cattle, swine, sheep and horses) in agriculture will be studied. Herd health methods along with up-to-date recommendations in animal nutrition will be provided. Prerequisite: AG115 Animal Science

***AG129 EQUINE GROUNDWORK TRAINING2**

Groundwork Training allows students with all equine interest levels and experience to learn the principles of working the horse's mind from the ground. It also provides handlers with a better understanding of and the importance of feel and timing when communicating during riding. This class will emphasize safety while teaching how to build a trusting and respectful relationship with horses. Lessons will consist of sensitizing the horse to move away from pressure and desensitizing the horse to help it relax while accepting applied pressure.

AG130 PRINCIPLES OF AGRICULTURAL ECONOMICS3

Is suggested for all students interested in the agricultural economy. A study of economic principles with emphasis on their application to the solution of farm, agribusiness and agricultural industry problems in relationship to other sectors of the U.S. economy and foreign countries.

AG132 AGRICULTURE MANAGEMENT3

Relates specifically to management of farms and ranches. Course content will emphasize budget planning, record keeping, record analysis, ag finance/credit, taxes and machinery and land management. Management exercises simulating farm and ranch activities and decisions are incorporated. Microcomputers are used to aid in the completion of these management exercises. Prerequisite: Principles of Agricultural Economics.

AG134 AGRICULTURAL MARKETING3

Provides an overview of marketing alternatives for agricultural commodities, primarily grains and livestock. Alternatives to be discussed will include cash sales and contracting, hedging, and options. Students will become familiar with marketing plans, basis, and the effect supply and demand has on the markets.

***AG139 FARM ANIMAL REPRODUCTION.....4**

Is designed to teach basic anatomy and physiology of reproduction in the domestic animal species. This course will include current reproductive management techniques to give students both a scientific and applied knowledge of livestock reproduction. Field trips and hands-on experience are an integral part of this course.

***AG147 LAB METHODS IN AGRI-BIOTECHNOLOGY.....4**

This class will teach students to perform skills necessary for employment in the biotechnology industry. Students will be introduced to techniques for preparing laboratory reagents and solutions including culture media and buffers, measuring, precision pipetting, preparing and running DNA and protein gel electrophoreses experiments, separating proteins using chromatography methods, examining and manipulating DNA including DNA fingerprinting, restriction enzyme digests, and PCR, and using math calculations to prepare solutions and calculate pH. Students will learn how to use Excel to create standard curves for estimating protein and DNA concentrations. A unit on basic statistical analysis will be included to support data collection, producing data via experiments, creating distributions, using scatter plots and correlations, and conducting tests of significance.

***AG150 INTRODUCTION TO HORTICULTURE4**

This course introduces the basic concepts and practices of horticulture with a survey of different aspects and careers of the horticulture industry. Students will develop professional skills in preparation for a career in the horticultural industry. This course combines three hours lecture and one and one-half hours of laboratory time.

AG155 COMPARATIVE AGRICULTURE.....1

Is a travel-study course designed to give students a first-hand experience of how agriculture in other regions compare to that of North Central Kansas. A focus of the tours is how the soils, climate, geography, history and people interact to form the area's agriculture. Areas toured vary with each class, but may include

Course Descriptions

the following: Southeast (Arkansas, Louisiana, and Mississippi), Southwest (West Texas, Oklahoma Panhandle, New Mexico, and Arizona), Northwest (Colorado, Wyoming, Oregon, South Dakota, and Nebraska sandhills), and Cornbelt (Missouri and Iowa).

AG157 EQUINE INDUSTRY MANAGEMENT I.....3

Helps to acquaint equine management students with basic concepts involved in operating a day to day equine enterprise. This class will stress business issues and principles involved in an economically successful enterprise.

AG159 EQUINE EVALUATION.....1

The study of evaluating form and function in the equine species. Aspects of evaluation will include physical form as in halter classes, as well as the functional aspect of performance classes in both Western and English disciplines. The preparation of oral reasons to organize and justify comparative decisions will be emphasized. The class is designed to make each student more adept at evaluating differences in animals of the same species and is strongly recommended for students wishing to be on the horse judging team.

***AG160 INTRODUCTION TO BIOTECHNOLOGY3**

Is designed to introduce and acquaint students with the use of biotechnology in agriculture today and its applications in the near future. The class will cover aspects in the areas of genetically modified organisms (GMOs), transgenic animals, cloning, and the bovine, ovine, and porcine genome projects, and genetic identification and screening of replacement animals. (Dual listed with science)

***AG164 ADVANCED SOIL CLASSIFICATION AND EVALUATION.....1**

An advanced exercise in classifying and evaluating soils, according to criteria recognized by USDA soil scientists including the fundamental chemical, physical, and biological properties of soils; their formation, fertility, and management. Soils are evaluated for their usefulness for agriculture and engineering purposes. Students will use techniques employed in writing descriptions of soil morphology and in classifying soils for intercollegiate soils judging.

AG165 EQUINE EVALUATION II.....1

This course offers the continued study of evaluating form and function in equine species. Aspects of evaluation will include physical form as in halter classes, as well as the functional aspects of performance classes in both Western and English disciplines. The preparation and delivery of oral reasons to organize and justify comparative decisions will be emphasized. This class is required for students on the horse judging team. Prerequisite: Equine Evaluation

AG166 FUNDAMENTALS OF LIVESTOCK NUTRITION.....3

This course teaches the elementary principles of comparative nutrition in farm animals. Additional topics include the anatomy

and physiology of the digestive system; the process of nutrition; the origin, chemistry and feeding value of different feeds; the nutritional requirements; and the theory of practical economy for the maintenance and growth of farm animals.

AG170 WILDLIFE MANAGEMENT3

Is designed to introduce students to scientific principles that will enable them to manage land in a manner that will enhance wildlife populations and to defend the proper use of science in wildlife management.

***AG188 VARSITY SPORTS: EQUESTRIAN/RODEO SKILLS1**

Students will learn safe horse equitation and livestock handling and basic techniques of showing horses in English and/or western disciplines to compete at Intercollegiate Horse Association events and/or individual National Intercollegiate Rodeo Association events.

***AG189 VARSITY SPORTS: EQUESTRIAN/RODEO SKILLS II.....1**

Students practice safe horse equitation and livestock handling and learn advanced techniques of showing horses in English and/or western disciplines to compete at Intercollegiate Horse Association events and/or individual National Intercollegiate Rodeo Association events.

AG190 MARKETING THE EQUINE INDUSTRY3

This class is designed to expose students to advertising and marketing principles, as well as provide them with real life experience. The class will be involved in hands on projects in marketing and advertising. Students will sell advertising space, create ads, and publish marketing materials.

AG210 AGRICULTURE ADVERTISING AND DESIGN.....3

This course exposes students to advertising and marketing principles as they apply to hands-on projects. Students will use industry-adopted software to develop printed communication pieces to the point of being "printer ready". Assignments will integrate software functionality and design concepts with print production technology requirements.

AG217 FARM COMPUTER APPLICATION I3

Is designed for those with knowledge of Electronic Spreadsheets and Data Management and will involve setting up herd records for livestock operations, developing a ration formulation for actual herd records and developing machinery records and inventory.

AG220 COOPERATIVE EDUCATION INTERNSHIP 1-6
See CA220

***AG225 BASIC EQUITATION3**

This course assists students in advancing basic techniques involved in horseback riding. Safety, proper equipment use, and communication techniques will be emphasized. Students will be expected to increase their skills in performing basic maneuvers on horseback.

Course Descriptions

***AG226 ADVANCED EQUITATION.....3**
 Designed to instruct students in how to achieve a higher level of performance with the equine athlete. The course will stress safety while riding, cues and circumstances, and achieving elevated levels of performance. The students will be expected to safely perform advanced maneuvers on horseback. Prerequisite: Basic Equitation or instructor approval.

***AG228 FOCUSED EQUITATION.....3**
 Designed to allow equestrian students who have completed the series of riding classes to focus on a particular discipline such as western pleasure, trail, hunter hack, jumping, reining, etc. This class will stress safety when working with equines, for both the human and horses. Horse psychology, learning, and training concepts will be introduced to the students. Prerequisite: completion of advanced equitation or instructor permission.

AG236 MOLECULAR BIOLOGY FOR AGRI-BIOTECHNOLOGY.....4
 Molecular Biology engages the biotechnology student with investigations into the molecular and biochemical nature of cells. Study begins with the biochemical foundations of life and focuses on the central dogma of molecular biology (DNA replications, transcription, and translation). Students will build on techniques learned in previous courses and will gain increased proficiency with techniques involving the manipulation of DNA. Prerequisite: General Biology or Principles of Biology, General Chemistry or Chemistry I, Introduction to Biotechnology, Lab Methods in Agri-Biotech.

***AG237 INTEGRATED ORGANIC AND BIOCHEMISTRY FOR AGRI- BIOTECHNOLOGY.....5**
 This course is designed for students in the Agri-Biotechnology program. It is an integrated organic and biochemistry course that emphasizes the practical aspects of organic chemistry and biochemistry necessary for the comprehension of biotechnical processes. Prerequisite: General Chemistry with a C or better.

***AG240 THE HORTICULTURE INDUSTRY3**
 This course is designed to provide instruction and hands-on activities for the development of skills, competencies, and understanding needed for successful employment in the production, sales, and marketing aspects of the horticulture industry.

***AG241 COMMERCIAL PRODUCTIONS OF FRUITS & VEGETABLES.....3**
 This course will cover the principles and practices of successful commercial fruit and vegetable production with an emphasis on environmentally friendly production techniques to maximize yield and quality. Topics covered will include crop growth requirements and growth patterns, alternative production techniques, harvesting, and storage.

***AG250 INTRODUCTION TO GENETIC ENGINEERING4**
 This course is designed to provide students with a background in Biotechnology laboratory techniques and practices. This class will demonstrate and teach common laboratory equipment and protocols involved with DNA restriction digestion and analysis, cloning, expression, sequencing, isolation, and amplification (PCR). The class will demonstrate the use of plasmids in cloning and express, along with RNA isolation, purification, and measurement by quantitative r-PCR. Prerequisites: General Biology or Principles of Biology, General Chemistry or Chemistry I, and Lab Methods in Agri-Biotech.

***AG255 PRECISION AG HARDWARE3**
 Students will gain a basic knowledge of precision agriculture high tech equipment and management strategies.

***AG256 PRECISION AG SOFTWARE3**
 This course will cover aspects of Global Positioning Systems (GPS), Geographic Information Systems (GIS), remote sensing, data acquisition, mapping, variable rate application, and the economics of precision agriculture software. Students will develop a fundamental understanding of precision agriculture software and how to effectively use data to create prescriptions.

***AG257 PRECISION AG MACHINE DATA MANAGEMENT..3**
 Students will learn how to collect, manage, and retrieve financial, physical, and spatial data from farm operations to support a farm's decision-making and reporting processes. This course will emphasize the use of financial, statistical and logical spreadsheet functions, GIS systems, record-keeping for fertilizer and pesticide usage and regulation, and specialized software applications, including integration of information from various sources and packages.

AG299 CDL: MAPS, LOG BOOKS, AND D.O.T. REGULATIONS1
 This course is designed to guide students to quickly and accurately read a commercial atlas and plan trips in accordance with D.O.T. rules and regulations. Students will learn to hours of service regulations, how to maintain log books, and other record-keeping requirements. Other D.O.T. rules and regulations will be discussed with emphasis on recent changes.

AG300 COMMERCIAL DRIVER'S LICENSE1
 Will provide all the information required to take the CDL written test and pre-trip inspection for all kinds of drivers, including agricultural, custom harvesters, commercial, and general transportation.

AG301 TRUCK AND TRACTOR TRAILER VEHICLE INSPECTION AND MAINTENANCE1
 Is designed to acquaint students with knowledge of how to keep their truck safe and on the road. As more farmers switch to a tractor/trailer for their operations, and as more employers require a

Course Descriptions

Commercial Driver's License, knowledge of daily vehicle inspection and implementation of routine adjustment and repair is essential.

AG302 IN CITY COMMERCIAL DRIVER'S LICENSE

DRIVING.....1

Is designed to give simulated practice of driving in city situations. Done in a parking lot, the students will practice right and left turns, backing, and backing into a dock or elevator. A portion of the practice will be done after dark to practice in low light situations.

* A lab fee will be assessed for these courses.

ALLIED HEALTH

AH099 MEDICATION AIDE UPDATE1

Will cover basic principles and skills essential for the administration, care and handling of medications which are for oral ingestion and for external application. Current topics such as biological affects of the geriatric patient, over medication, legal aspects, regulations, new drug classifications and reactions will be covered. Not applicable to any degree.

AH101 SPECIAL TOPICS IN HEALTH CARE.....1

Has been developed to acquaint mental health, educators, child care and health care professionals with significant family issues of the day. It is broken into four separate, yet interrelated sessions. Upon completing this seminar, participants will have the understanding to provide meaningful intervention in each of these problematic family components.

AH104 PAID NUTRITION ASSISTANT 1/2

Will provide training for individuals who are paid to feed residents of an adult care home following state guidelines and regulations.

AH109 INTRODUCTION TO HEALTHCARE

PROFESSIONS.....3

This course is designed to introduce the student to the variety of career occupations in the healthcare profession. The student will learn specific roles and responsibilities of different healthcare professions, explore the legal and ethical issues associated with the United States' healthcare system, understand the importance of confidentiality and patient documentation, and participate in clinical shadowing experiences with area healthcare providers.

AH110 HEALTH UNIT COORDINATOR.....4

This course is designed to prepare the health unit coordinator student to facilitate the activities of people in a health unit to work together smoothly and harmoniously in a common action, which is the delivery of health care to patients. Students will learn management of information, communication, medical terminology,

critical thinking and cultural diversity. Students will learn to transcribe physician orders. Students with skills in health unit coordinating will be prepared to work in a variety of health care settings.

SOCIOLOGICAL GERONTOLOGY MODULES

AH151 ACTIVITIES PROGRAMS IN THE NURSING

HOME2

Assists the Nursing Home Administrators in defining the role of the Activities Director and the component parts of coordinating that program with the total restorative services provided to the resident.

AH153 THE SOCIAL SERVICES DESIGNEE ROLE IN

THE ADULT CARE FACILITY2

Is an introductory course covering the role of the Social Service Designee in the Adult Care Facility.

AH157 INTRODUCTION TO THE HELPING ROLE IN

THE LONG TERM CARE FACILITY.....1

Presents historical and current perspectives of the "helping" concept, especially in the field of Long Term Care and Adult Care Home settings. Through lecture, discussion and role playing, based upon written and audio-visual materials, participants have an opportunity to learn about the helping component of social services and recreational programming. Participants will also learn specific tasks they must perform in order to meet more effectively the needs of residents and families. Both theoretical and practical aspects of helping are presented, with specific application to those skills the SSD and AD require for effective functioning as a helper.

AH160 ADULT CARE HOME OPERATOR COURSE2

This course will prepare the student to be an operator of assisted facilities, residential health care facilities, home plus or adult day care facilities. After successful completion of the course, the student is eligible to take the state exam prepared by Kansas Department of Health and Environment on the principles of assisted living.

AH163 EMERGENCY MEDICAL TECHNICIAN 10

Is the emergency medical technician initial course of instruction required for persons involved in providing emergency care. It will include care of the patient prior to transport, control of the accident scene, preparation for transport, transport and care of the patient while en route to the hospital, transfer of a patient to a hospital emergency department, communications, reporting, record keeping, and vehicle care. It will provide the participant with the preparation necessary for testing for certification and practice as an Emergency Medical Technician in the State of Kansas. This Emergency Medical Technician course meets the requirements of the Kansas Board of Emergency Medical Services as set forth in the Kansas Administrative Regulations.

Course Descriptions

AH171 EMERGENCY MEDICAL TECHNICIAN - INTERMEDIATE.....7

The Emergency Medical Technology program is based on the National Registry Emergency Medical Technician - Intermediate curriculum. It provides training in anatomy and physiology, medical terminology, emergency and assessment of patient conditions, emergency treatment protocol, and legal and ethical standards established for emergency medical care. The Emergency Medical Technology program is intended to produce graduates who are prepared and eligible to take the Kansas Registry EMT-Intermediate certificate examination. Graduates will be competent in the basic skills necessary to assess and treat both pre-hospital medical and traumatic injuries. A variety of clinical and lab experiences are planned to integrate theory and practice. Prerequisite: EMT or EMT-Basic certification. Must be AHA Health Care Provider CPR certified.

AH178 PHARMACY TECHNICIAN LICENSING PREP 10

This course offers a comprehensive introduction to the knowledge and skills pharmacy technicians need for successful practice. Key areas of concentration include the role of the pharmacy technician in the pharmacy setting, an overview of medications used to treat specific body systems, a breakdown of the different classifications of drugs, and a review of the basic sciences at the core of pharmacy practice. It also offers helpful PTCB examination review, as well as information on career opportunities for pharmacy technicians with advice on getting a job and advancing in the profession.

AH181 BASIC LIFE SUPPORT.....1

This course is designed to provide healthcare providers with an overview of the cardiovascular and respiratory systems, a discussion of medical and environmental emergencies leading to the need for CPR, and an introduction to diagnose signs and triage, as well as insight into the structure and function of the emergency medical services system. Participants will be trained to : (1) know how to perform CPR in both in-and-out-of-hospital settings; (2) promptly recognize cardiac arrest; (3) give high-quality chest compressions; (4) deliver appropriate ventilations; (5) provide early use of an automated external defibrillator (AED), as part of a team and individually; and, (6) recognize and relieve choking. Adult, child, and infant rescue techniques will be covered. Upon successful completion of all American Heart Association standards, the student will receive affirmation at the Healthcare Provider level.

AH182 ADVANCED CARDIOVASCULAR LIFE SUPPORT...1

The Advanced Cardiovascular Life Support (ACLS) Provider Course is designed for healthcare providers who either direct or participate in the management of cardiopulmonary arrest or other cardiovascular emergencies with the goal of improving outcomes for adult patients with cardiac arrest and other cardiopulmonary emergencies through provider training. Through didactic instruction and active participation in simulated cases, the students will enhance their skills and clinical decision-making abilities for the diagnosis and treatment of cardiopulmonary arrest, acute

arrhythmia, stroke, and acute coronary syndromes. Students are taught to use the following important concepts: Basic Life Support (BLS) Survey, high-quality cardiopulmonary resuscitation (CPR); ACLS Survey; ACLS algorithms; effective resuscitation team dynamics; and immediate post-cardiac arrest care. Prerequisite: AH181 Basic Life Support.

AH184 EMT TRANSITION2

This course is designed to bridge existing Kansas certified emergency medical technicians to the new scope of practice as approved by Kansas for emergency medical technicians. The course is built and delivered on the foundation of existing knowledge for the Kansas emergency medical technician. Successful completion of this course is required in order to bridge to the new level of certification as defined by the Kansas EMS scope of practice.

AH190 ADVANCED EMT 13

The AEMT I course is the first in a two-course sequence: AEMT I and AEMT II. This course is designed for individuals interested in providing Advanced Emergency Medical Technician (AEMT) level care in the pre-hospital setting. The program will provide the participant with opportunities to gain information and skills necessary for certification and practice as an AEMT in Kansas, which includes intravenous therapy and medication administration. The National Registry of Emergency Medical Technicians (NREMT) and the Kansas Board of Emergency Medical Services have approved the curriculum for this certification, which addresses information and techniques currently considered the responsibility of the AEMT according to Kansas Education Standards. The program consists of didactic (lecture) instruction and practical skills training. Pre-requisite: current EMT certification; and must be CPR/AED certified by the American Heart Association at the Health Care Provider level.

AH191 ADVANCED EMT II..... 15

The AEMT II course is the second in a two-course sequence: AEMT I and AEMT II. This course is designed for individuals interested in providing Advanced Emergency Medical Technician (AEMT) level care in the pre-hospital setting. The program will provide the participant with opportunities to gain information and skills necessary for certification and practice as an AEMT in Kansas, which includes intravenous therapy and medication administration. The National Registry of Emergency Medical Technicians (NREMT) and the Kansas Board of Emergency Medical Services have approved the curriculum for this certification, which addresses information and techniques currently considered the responsibility of the AEMT according to Kansas Education Standards. The program consists of didactic (lecture) instruction, practical skills training, clinical experience in a hospital setting, and field experience with a mobile intensive care unit. Prerequisite: current EMT certification; must be CPR/AED certified by the American Heart Association at the Health Care Provider level; must have completed AEMT I with a C or better.

Course Descriptions

AH197 CERTIFIED NURSE AIDE5

Upon successful completion of the 90 Hour Certified Nurse Aide course, the student must take a state exam. Successful passing of the exam will result in the receipt of a C.N.A. license from the State of Kansas. Course delivery methods may be completed by face-to-face classroom sessions, (45 hours of classroom/45 hours of clinical), or hybrid. The hybrid delivery method requires the student to complete 45 hours classroom instruction via online and 45 hours clinical per the Kansas Department for Aging and Disability Services. The 90 Contact Hour Certified Nurse Aide Curriculum and Guidelines are fully implemented. (K.A.R. 26-50-10). This course is considered a Stand Alone Program and is not applicable to any degree

AH198 MEDICATION AIDE5

Upon successful completion of the Certified Medication Aide course, the student must take a state exam. Successful passing of the state exam will result in the receipt of a Certified Medication Aide license from the State of Kansas. Course delivery methods may be completed by face-to-face classroom sessions, (50 hours of classroom/25 hours of clinical), or hybrid. The hybrid delivery method requires the student to complete 50 hours of instruction via online and 25 hours of clinical per the Kansas Department for Aging and Disability Services. The 75 Contact Hour Certified Medication Aide Curriculum and Guidelines are followed. For authorizing statute for Certified Medication Aides in the KS Nurse Practice Act, See: K.S.A. 65-1124 (1) at (www.ksbn.org). This course is considered a Stand Alone Program and available only to Certified Nurse Aides and is not applicable to any degree.

AH207 CERTIFIED NURSE AIDE REFRESHER1

The C.N.A. in Kansas is required to work at least eight hours every two years for the C.N.A. license to remain active. The C.N.A. Refresher Course is designed to offer inactive C.N.A.'s an opportunity to refresh their skills and obtain current information concerning the care of the elderly in long-term care. Students will discuss the nurse aide's responsibility in the current health care system and the importance of residence rights. The students will demonstrate safety measures, infection control procedures, personal care skills, measurement of vital signs, transfers, positioning, and turning. Students enrolled in the refresher course must show proof of certification as a Kansas C.N.A. by providing a copy of their card prior to the first class session. Upon completion of this course, the status of C.N.A. becomes "active" and the individual has the opportunity to work as a C.N.A. again.

AH211 INTRAVENOUS THERAPY FOR LPN'S3

Prepares licensed practical nurses to perform activities as defined in K.A.R. 60-16-102, and according to rules and regulations set forth by the Kansas State Board of Nursing.

AH215 PARAMEDIC 14

This course provides the introductory framework for the paramedic curriculum. The course will focus on a variety of topics including advanced pre-hospital care, the well-being of the

paramedic, EMS systems, roles and responsibilities, injury and illness prevention, medical and legal issues, ethics, pathophysiology, pharmacology, medication administration, therapeutic communications, lifespan development, airway management and ventilation, history taking, physical examination techniques, clinical decision-making, communications, documentation, trauma systems, and the effects of trauma on the body. Prerequisites: (1) College courses in human anatomy and physiology; (2) Kansas Certification as an EMT; (3) Acceptance into the CCCC Paramedic Program.

AH216 PARAMEDIC II 14

This course continues to build the general framework for the paramedic program. The course will focus on a variety of topics including the identification and management of many different types of trauma, pulmonology, cardiology, neurology, endocrinology, allergies and anaphylaxis, gastroenterology, urology and nephrology, toxicology and substance abuse, hematology, environmental emergencies, infectious diseases, psychiatric and behavioral emergencies, and HIPAA. Prerequisite: AH215 Paramedic I with a C or better

AH217 PARAMEDIC III 14

The didactic portion of this course continues to build the general framework for the paramedic program and focuses on a variety of topics including neonatology, pediatrics, geriatrics, abuse and assault, challenged patients, chronic care patients, and assessment based management. The course also provides students an opportunity to apply didactic content to the clinical environment. Clinical activities will allow students to gain familiarity with initiating and continuing care for injured and ill patients in a variety of adult-child acute care settings. Clinical areas will include emergency, intensive care, surgery, dialysis, labor and delivery, respiratory therapy, pediatrics, burn unit, behavioral health, catheterization lab, and first response pumper. Prerequisite: AH216 Paramedic II with a C or better.

AH218 PARAMEDIC IV 17

The didactic portion of this course completes the general framework for paramedic program and focuses on a variety of topics including crime scene awareness, ambulance operations, rural EMS, and documentation. The course also provides students with an opportunity to apply didactic content in the field environment with a Kansas Type I Ambulance Service. Students are required to document proficiency with a variety of skills including obtaining pertinent medical history, performing complete physical assessments, implementing appropriate care, interpreting EKG's, instituting appropriate airway management techniques, demonstrating knowledge of medications, and recognizing cardiopulmonary arrest and implementing appropriate treatment modalities. Prerequisites: AH217 Paramedic III with a C or better.

Course Descriptions

AH310 HOME HEALTH AIDE2
Is designed to prepare participants to become Certified Home Health Aides in Kansas utilizing the Kansas Department for Aging and Disability Services curriculum and guidelines.

AH400 ICD9CM CODING.....3
Is used for classification of diagnosis and procedures in the hospital, physician clinics, long-term care facilities, home health agencies, insurance companies, and other medical service providers. This course is a basic beginners coding course.

AH401 ICD9CM ADVANCED CODING3
Is designed for students who need advanced training on ICD9CM coding procedures.

AH402 CPT-HCPCS AMBULATORY CODING3
Is designed to train out-patient facility staff (i.e. home health agencies, physician offices) ICD9CM diagnostic coding and CPT/HCPCS procedural coding for reimbursement purposes.

CRIMINAL JUSTICE

AJ100 INTRODUCTION TO CRIMINAL JUSTICE3
This course provides an introduction to the historical development and the internal and external issues of the various components of the criminal justice system including police, corrections, and the courts. The student will illustrate how these interrelated components result in the administration of justice today.

AJ104 FUNDAMENTALS OF PRIVATE SECURITY3
The course presents the latest in security issues from security equipment and design theory to security management practice. Homeland Security in the United States; terrorism as it relates to cargo and travel security, potential areas of attack and target hardening techniques; and the use of current technologies to combat new threats are discussed. Changing roles of traditional physical and guard security are examined in light of the advances in the electronic and computer security. Areas such as biometric security, access control, CCTV surveillance advances, as well as the growing computer security issues of identity theft and computer fraud are covered.

AJ112 SPECIAL TOPICS IN CRIMINAL JUSTICE3
An organized course offering the opportunity for intensive examination of specialized topics in criminal justice not normally or not often available as part of regular course offerings. Course involves lectures, readings and classroom discussion of selected topics. Special topics may be repeated for credit when topics vary. Specific topic will be indicated when offered.

AJ114 COMMUNITY POLICING3
This course is an introduction to law enforcement in the United States, focusing on many contradictions and paradoxes that American policing presents. This course will focus on the

development of police from the mid-19th century to the present, the varied roles of police, field behavior, organization and management, and contemporary issues facing police departments today.

AJ117 CONSTITUTIONAL LAW.....3
Will introduce the student to the U.S. Constitution and its impact upon the criminal justice system. The course will preview the Articles that establish the formation of the federal government and the balance of power. It will also preview the Amendments to the U.S. Constitution and their impact upon society. It will examine the decisions of the U.S. Supreme Court and the impact of those decisions on our legal system.

AJ121 INTRODUCTION TO PUBLIC ADMINISTRATION ..3
Examines the organization and administrative activities of government in carrying out public policy. Students will study the basics of public policy management, administrative functions, organization, accountability, finance, and personnel issues as they arise in a government or other public institution.

AJ140 VICTIMOLOGY3
Criminal justice professionals, regardless of their specific role, will always come in contact with victims of crime. This course will introduce the crime victim as part of our larger society and as part of the criminal and civil justice system. Students will develop an understanding of the role of victimology as a social science; the psychological impact of crime on the victim; the victim's role in the criminal justice and civil system; the financial impact of the crime on the victim; the victim's rights in the criminal justice system and in society; and the future of criminal justice and social policy as they relate to victims. The course will examine specific areas of victimization such as: sexual assault, domestic violence, child maltreatment, elder abuse and homicide.

AJ145 AGENCY ADMINISTRATION3
This course conducts a practical analysis of modern administration theory and supervisory, management principles and their application to the unique operating problems of criminal justice organizations.

AJ150 LAW OFFICE MANAGEMENT.....3
Examines the management of a modern law office with an emphasis on management principles, legal structure, filing and record keeping, attorney-client relationship, billing systems and procedures. This course also explores accepted methods of accounting, inventory control, marketing, and personnel management as it relates to the law office. A special section has been added to address the issues associated with law office technology.

AJ151 INTRODUCTION TO LAW3
Introduces students to the American Legal System and its many components. The course examines the civil, criminal, and administrative systems as well as explores the different jobs and participants in the system. Students learn about the structure of the courts, the methods for making law, and the acceptable means for prosecuting and defending a civil and criminal action.

Course Descriptions

AJ154 LEGAL OFFICE VOCABULARY2
 Is designed to give students a working vocabulary of legal terms necessary for office success. The material is divided into modules, with content introduced at a basic level, progressing, by specialization, to more difficult matters. (Dual listed with Business)

AJ158 LEGAL RESEARCH AND WRITING I3
 Introduces the student to the methods of legal research used in the modern law office. Students focus on the use of traditional hard cover and pamphlet resource materials with additional work focusing on the expanding electronic medium including the Internet. Students will also explore the principles of technical writing as well as the particular styles of writing used in the legal profession.

AJ200 LAW ENFORCEMENT OPERATIONS AND PROCEDURES3
 This course examines the role of police in society and the application of key concepts to policing scenarios. Students identify, discuss and assess critical police practices and processes to include deployment, arrest procedures, search strategies, and other operational considerations.

AJ205 CRIMINOLOGY3
 Is designed to introduce the student to the study of the origin and nature of the development of law and its impact on the behavior of society. It is a study of the conditions which might lead a person to act in ways which are deemed to be "incorrect or deviant behavior" by the society in which they are a part of. It also attempts to define the terms of, and then measure, deviant behavior through the analysis of available research information.

AJ206 CRIMINAL LAW3
 The course examines the history, scope and nature of law. It focuses on the parties to a crime; classification of offenses; criminal acts and intent; the capacity to commit crime; and criminal defenses. It will cover the elements of misdemeanor and felony crimes.

AJ207 CRIMINAL PROCEDURES.....3
 This course introduces basic court system procedures and the jurisdiction of the courts. It also focuses on the constitutional and other legal requirements that affect law enforcement practices and procedures. Specific topics include confessions and interrogations, identification procedures, arrest, search and seizure, and admissibility of evidence.

AJ209 JUVENILE DELINQUENCY AND JUSTICE.....3
 This course examines the historical precedents and philosophical reasons for treating juveniles differently from adults. It reviews empirical evidence about child development that can illuminate the reasons for their special status within the system. It will study the major theories that have been proposed as explanations

of delinquent behavior. The course will also provide a detailed overview of the juvenile justice system, from its beginnings to the current state of the institution.

***AJ210 CRIMINAL INVESTIGATION.....3**
 This course explores issues including the effective interview and interrogation techniques, crime scene management and lab processes, crime scene documentation methods, case preparation and court presentation.

AJ211 CRIMINAL JUSTICE INTERVIEW AND REPORT WRITING3
 This course focuses on the unique types of writing required in a criminal justice career. Students are required to gather pertinent information and then record that information by writing a variety of report narratives representative of those prepared by individuals working in a profession within the criminal justice system.

AJ212 CRISIS INTERVENTION3
 This course is an overview of crisis intervention for criminal justice personnel focusing on an understanding of the immediate needs of a person in crisis and on crisis intervention techniques in various situations. This course is intended to familiarize the student with the strategies involved in crisis intervention work and the wide range of issues addressed. The strategies of crisis intervention will be discussed in their own right and within the context of such areas as: suicide and personal loss/bereavement as well as other crisis of lethality; post-traumatic stress disorder and the catastrophic events that are related including a focus on children and PTSD, and sexual assault and domestic violence (including both adult and child victims and the perpetrators of these crimes) as well as the current issue of school-based violence and recent information pertaining to disaster events. Perspectives that relate specifically to special populations and crisis work, including persons with substance disorders, and topics related to the impact (hazards and rewards) of crisis intervention on the criminal justice intervener.

AJ220 COOPERATIVE EDUCATION INTERNSHIP..... 1-6
 See CA220

AJ221 COMPUTER AND HIGH TECHNOLOGY CRIMES....3
 This course will examine those crimes which involve the use of computers as well as those perpetrated against computers. Topics will include the various state, federal and international laws, investigative measures and techniques, and preventive measures utilized to provide a secure environment for computer hardware and software. The course will also examine developing trends in cybercrime and cyberlaw.

AJ225 ETHICS IN CRIMINAL JUSTICE.....3
 This course explores the major components involved in the study of ethics, particularly as it applies to the field of criminal justice. Focus is placed on the code of conduct and ethics of the criminal

Course Descriptions

justice profession and the standards held to in their professional role. The aim of the course is to produce professionals who are not only critical thinkers, but who have the skills necessary to pursue sound ethics in their day-to-day decisions and activities.

AJ230 CRIME PREVENTION3

This course is designed to introduce the student to several environmental settings, including major event facilities, small retail establishments, downtown streets, residential areas, and playgrounds. The concepts presented in this book explain the link between design and human behavior. Understanding this link can enable a planner to use natural environmental factors to minimize loss and crime and to maximize productivity. Explanations of criminal behavior and the historical aspects of design teach both the novice and the expert in crime prevention how to use the environment to affect human behavior in a positive manner.

AJ251 CRIME SCENE INVESTIGATIONS4

This course is designed to provide students with the basic theoretical and philosophical understanding of the investigatory process. This course will examine techniques and methods of crime scene investigation such as: fundamentals of preliminary investigations, identification, collection of evidence, and fingerprinting. This course will provide students with a general introduction to the mechanics of crime scene investigation and its role in the criminal justice process.

AJ299 CAPSTONE IN CRIMINAL JUSTICE.....3

This course is the culmination of the criminal justice student's academic experience. It serves to synthesize the knowledge gained from each course taken within the criminal justice curriculum and better prepare the graduate to continue on to upper-division studies in the discipline or for entry-level career positions in the criminal justice system. Prerequisite: Introduction to Criminal Justice.

ART

AR100 ART APPRECIATION.....3

Art Appreciation is a basic level course. The course is a study and appreciation of art and its development through the various periods and movements of man's existence. The course brings the student to a better understanding of art today, its past influences and its current significance.

***AR110 CERAMICS I +3**

Ceramics I is a beginning course covering the various techniques and forms of creating a ceramic piece, both hand built and thrown. It includes exploration of glazing and decorative techniques, but the emphasis is on bringing one's own personal concepts to the form and craftsmanship. The four and one-half hour per week class is considered both lecture and lab.

***AR111 CERAMICS II +3**

Ceramics II is a continuation of Ceramics I with greater emphasis on student experimentation and development of individual style. The four and one-half hour per week class is considered both lecture and lab.

***AR112 CERAMICS III +3**

Ceramics III is a continuation of Ceramics II with greater emphasis on student experimentation and development of individual style. The four and one-half hour per week class is considered both lecture and lab.

***AR120 DESIGN I +3**

Design I is a basic level course. This course introduces the basic concepts of design essential to working in the field of graphic design or visual communications. This class is beneficial to students in art, architecture, education, child care and interior design. It is structured around the basic organization of visual communication. The students will have hands on experience dealing with the elements and principles of design and will work with two-dimensional organization on both manual and computer-aided design projects. The four and one-half hour per week class is considered both lecture and lab.

***AR121 GRAPHIC DESIGN I +3**

In Graphic Design I, students will explore the creation and manipulation of visual content using basic design concepts and industry standard computer software. Students will learn to generate hardcopy output using laser and photo quality ink-jet printers. Students will become familiar with the latest practices in the field. Extensive hands-on work with the computer will enable the student to extend their design skills and computer software expertise. The four and one-half hour per week class is considered both lecture and lab. Prerequisite: Graphic Software Applications and Design I or Two-Dimensional Design, or with instructor permission.

***AR122 GRAPHIC DESIGN II +3**

Graphic Design II allows the student visual designer and artist to work with computer hardware and software fundamental for the visual designer and artist. It provides the basic knowledge necessary to operate Macintosh computers and to use software applications in design projects related to product and promotional purposes. This course integrates the graphic design process with the computer's capabilities. The student learns to take a sketch idea and develop it through digital thumbnails, laser proofs, and color output comprehensives as well as the creation and implementation of multimedia and web content. The four and one-half hour per week class is considered both lecture and lab. Prerequisite: Graphic Software Applications, Design I or Two-Dimensional Design, and Graphic Design I, or with instructor approval.

Course Descriptions

***AR126 TWO-DIMENSIONAL ILLUSTRATION +3**

Two-Dimensional Illustration is an introductory drawing course where students will work on techniques of perception and graphic composition using a variety of art materials. This is a hands-on class and begins with basic skills in perception and development of technique with various subject matter and drawing medias. The four and one-half hour class is considered both lecture and lab.

***AR129 INTRODUCTION TO DIGITAL PHOTOGRAPHY +3**

Introduction to Digital Photography is a course of study to develop an understanding of basic photographic techniques and computer assisted image manipulation. This course will include, but not limited to, the following topics; basic camera functions, basic digital image processing, visualization and design skills, and digital manipulation techniques needed in today's market place. Students will have opportunities to create portfolio pieces. The four and one-half hour class is considered both lecture and lab.

***AR130 DRAWING I +3**

Drawing I is an introductory drawing course for the student with limited art background. Students work on techniques of perception and graphic composition, using a variety of art materials. This is a hands-on class and begins with basic skills in perception and development of technique with various subject matter and drawing medias. The four and one-half hour class is considered both lecture and lab.

***AR131 DRAWING II +3**

Drawing II is a continuation of the Drawing I course. Students will continue to work on techniques of perception and graphic composition, as well as working with a variety of art materials. This is a hands-on class that will help the students enhance their personal vision and style by increasing their knowledge of perception and technique development with various subject matter and drawing medias. The four and one-half hour class is considered both lecture and lab.

***AR140 PAINTING I +3**

Painting I is an introductory painting course with a concentration on painting techniques and color mixing. Emphasis is placed on individual creativity and experimentation. This is a hands-on class and covers the fundamentals of painting, from color theory, techniques of color application, color modeling and surface separation and definition. The four and one-half hour class is considered both lecture and lab.

***AR141 PAINTING II +3**

Painting II is a continuation of Painting I focusing on individual experimentation in traditional, contemporary, and experimental techniques. The four and one-half hour class is considered both lecture and lab.

***AR145 WATERCOLOR +3**

Watercolor is a hands-on class dealing with water-based paint media. The student will explore the many uses and applications of this media. The associations of color in illustration will be applied through various media techniques to master balance through contrast, property of light, shadows, simultaneous contrast and tints. The applications will be achieved through the use of color theory, color themes and the various painting techniques associated with watercolor. The four and one-half hour per week class is considered both lecture and lab.

***AR171 THREE-DIMENSIONAL DESIGN +3**

Three-Dimensional Design is a basic level course beneficial to students in fine arts, commercial art, architecture, education, child care and interior design. It is structured around the basic organization of visual communication. The students will have hands on experiences dealing with the elements and principles of three-dimensional design and will have opportunities to create portfolio pieces. The four and one-half hour class is considered both lecture and lab.

AR220 COOPERATIVE EDUCATION INTERNSHIP..... 1-6
See CA220

* A lab fee will be assessed for these courses.

+ These courses are considered lab courses.

BUSINESS

BE100 INTRODUCTION TO BUSINESS.....3

This course is an introduction to a broad range of terminology and topics useful to business management. Terminology necessary to understand business literature is emphasized. The course will provide an overall picture of business operations, as we cover different types of economic systems, global trade, business entrepreneurship, e-business, managerial decision-making, techniques for increasing employee motivation, packing, pricing & distributing products, the relationship between management and unions, business ethics, and much more. This course is designed to develop student responsibility for learning, thinking, and questioning while using business as the model.

BE115 BUSINESS MATHEMATICS.....3

Is a course starting with the basic math concepts and moving to more complex mathematical concepts. The course will not only deal with theory but will concentrate on applications of using those concepts in solving problems dealing with personal finance, business finance, and business analysis.

BE121 BUSINESS COMMUNICATIONS.....3

Provides instruction on the role of communication in the business environment and identifies the most effective methods for

Course Descriptions

creating, sending, and receiving messages. In addition, students should be able to utilize effective oral and written communication skills in business; write and evaluate business documents, including letters, memos, and reports using the principles of correct style, organization and format; and prepare an effective oral business presentation.

BE122 MEDICAL OFFICE VOCABULARY.....2

This course presents a study of basic medical terminology. Prefixes, suffixes, word roots, combining forms, special endings, plural forms, abbreviations, and symbols are included in the content. A programmed learning, word building systems approach is used to learn word parts for constructing or analyzing new terms. Emphasis is placed on spelling, definition, usage, and pronunciation.

BE124 LEGAL OFFICE VOCABULARY2

Is designed to give students a working vocabulary of legal terms necessary for office success. The material is divided into modules, with content introduced at a basic level, progressing, by specialization, to more difficult matters. (Dual listed with Administration of Justice)

BE139 BASIC PERSONAL FINANCE.....1

This course focuses on basic skills in personal financial management with an emphasis on basic money management including budgeting, controlling debt, bank accounts, borrowing, credit cards, investments, and retirement. Practical knowledge and application of these areas are stressed.

BE152 SALESMANSHIP3

The student will be provided examples of selling in a global environment, information about the technology available to every salesperson, and most importantly, the ABC's (the fundamentals) of relationship selling. The course is a vehicle by which the student is given ample materials to construct his/her own sales presentation. Covering the basic foundations for understanding the concepts and practices of selling in a practical, straightforward, and effective manner, the course provides the student a guide to use in preparing sales presentations and role-playing exercises.

BE153 PERSONAL FINANCE.....3

A personal financial management course that emphasizes time value of money, budgeting, borrowing, taxes, insurance, consumer credit, risk management, investments, retirement, and estate planning. Practical knowledge and application of these areas are stressed.

BE154 BUSINESS LAW.....3

Few subjects are as dramatic and challenging as the law. Because laws grow from human conflict, lawsuits are often emotional, complex, and costly. Despite these costs, more and more business and personal disputes are being settled in court every day. Ours

is a "litigious society." Knowing more about the law can help students avoid legal conflicts in their professional and personal lives. If they cannot resolve a dispute, a background in the law will help them preserve their rights.

BE155 MARKETING3

Is essential to the operation of any business firm or public service organization. The successful enterprise in today's changing and competitive world is increasingly characterized by its understanding of the many facets of marketing and by its ability to deliver goods and services to the market more efficiently than its competitors. This course is designed to introduce students to the basic concepts, practices, and techniques of marketing.

BE160 BUSINESS ACCOUNTING.....3

Students receive instruction in the fundamentals of accounting from recording business transactions including financial statement preparation. Emphasis is on the fundamentals of double entry accounting and the basic accounting cycle for service and merchandising enterprises.

BE161 ACCOUNTING I.....3

An introduction to the fundamental principles of accounting relating to transactions, special journals, ledger accounts, adjusting entries, closing entries, and preparing financial statements for service and merchandising enterprises.

BE162 ACCOUNTING II.....3

A continuation of Accounting I with greater emphasis placed on the interpretation and use of accounting data. Study includes accounts and records specific to partnerships and corporations. Exposure is given to cost accounting and managerial decision making. Prerequisite: Accounting I with grade of C or higher.

BE165 COMPUTERIZED ACCOUNTING.....3

Provides a hands-on approach to learning how computerized integrated accounting systems function. Provided is an overview for using the software QuickBooks Pro and developing the process for recording transactions involving sales, receivables, purchases, payables, general accounting, end-of-period procedures, payroll, and computerization of a manual accounting system. Prerequisite: High School Accounting, Business Accounting, or higher.

BE166 PAYROLL ACCOUNTING.....3

An in-depth look at the many aspects of preparing, distributing, and recording payroll. Included in this course are issues regarding reporting, deductions, Federal forms, deposits, regulations, and government laws related to payroll. Prerequisite: High School Accounting, Business Accounting or higher (may be enrolled currently).

BE170 BUSINESS STATISTICS3

Is an introduction to descriptive and inferential statistics. Included are the uses of measures of central tendency and dispersion,

Course Descriptions

probability, estimation and hypothesis testing, analysis of variance, and correlation. Recommended Prerequisite: High school algebra, Intermediate Algebra, or Survey of Math with a C or better or appropriate Accuplacer/ACT score.

BE172 CUSTOMER SERVICE.....3

This course provides how-to topics for the customer service professional and includes the concepts and skills needed for success in business careers, including listening techniques, verbal and nonverbal communication, and use of technology. The course will focus on the needs and requirements of internal and external customers, the enhancement of customer relationships, the significance of market research with respect to the customer, the design and redesign of customer service strategies, and differentiate between internal and external customers in a service and manufacturing organization. Emphasis is given to dealing with customer service problems and how to handle conflicts and stress.

BE185 HUMAN RESOURCE MANAGEMENT3

An examination of the employment process, international challenges, current and recurring issues. Emphasis on evaluation, interviewing, training, and labor relations

BE188 PRINCIPLES OF ADVERTISING3

Students will learn the fundamental role of advertising in the communication process, how it works as an element of the marketing process, basic terminology, the functions and effects of advertising in business, the influence of economics on the evolution of advertising, and advertising's overall impact on the society in which it operates. Emphasis is placed on analyzing current examples of advertising along with real-world experiences in the advertising industry.

BE210 LEADERSHIP DEVELOPMENT.....3

Is designed to prepare students to assume increasingly responsible leadership roles in their personal, professional and academic lives. The course focuses not only on significant theories of leadership and their applicability to leaders of the past and present, but also includes substantial hands-on experiential learning opportunities which puts leadership into action.

BE220 COOPERATIVE EDUCATION INTERNSHIP 1-6
See CA220

CAREER CENTER

CA192 DYNAMICS OF CAREER PLANNING 1-2

Is designed to help people explore their interests, abilities, strengths, weaknesses, likes and dislikes and relate them to the world of work. The class participants will learn techniques for exploring the world of work on the Internet and develop an academic plan which reflects their career decision.

CA220 COOPERATIVE EDUCATION INTERNSHIP 1-6

Cooperative Education Internships enhance the academic background of the student with a curriculum related on-the-job work experience. These internships may be completed by working while attending school, by working off campus for a semester (alternate coop), or by working during the summer. College personnel will assist in matching employers and students in this program which is committed to the growth of the student. Cooperative Education is a valued partnership between employers, students, and educators. Prerequisite: 1) Have successfully completed at least 12 hours while attending CCCC and have at least a 2.0 GPA; 2) Already be employed or work with the Co-op staff to find a Co-op related to the curriculum enrolled; 3) Have completed coursework relevant to the Co-op position; 4) Complete the necessary enrollment process which includes paying the tuition to be able to earn credits through Cooperative Education; 5) Be a citizen of the U.S. or prove immigration eligibility to accept a work assignment.

CA221 JOB SEARCH1

Is to make the student aware of the skills needed for entry into the competitive world of work. It will provide valuable insight into one's strengths and weaknesses while providing practice in preparing resume's, cover letters and standard application forms. In addition, the student will learn techniques for presenting himself/herself in a confident, professional manner at the employment interview and how to appropriately respond to a wide range of possible questions at that interview.

COMMUNICATIONS

CM069 BASIC ESL I.....5

Basic ESL is designed for low beginning (Level 1) English Language Learners (ELLs) whose native language is not English. Class will provide skills needed to use English successfully and appropriately in a variety of community, workplace and/or academic settings. Instructional activities will focus on four target areas: listening, speaking, reading, and writing. The course helps students develop their grammar and writing skills in preparation for subsequent English courses.

CM070 BASIC ESL II.....5

Basic ESL II is designed for high beginning (Level 2) English Language Learners (ELLs) whose native language is not English. Class will provide skills needed to use English successfully and appropriately in a variety of community, workplace and/or academic settings. Instructional activities will focus on four target areas: listening, speaking, reading, and writing. The course helps students develop their grammar and writing skills in preparation for subsequent English courses.

CM071 ENGLISH AS SECOND LANGUAGE I3

Through a variety of learning activities focused on improving reading and writing skills, students will improve their vocabulary

Course Descriptions

and use of English structure. Prerequisite: appropriate Accuplacer composite ESL Reading, ESL Listening, and ESL Grammar Usage scores.

CM072 ENGLISH AS SECOND LANGUAGE II.....3

The second part of a two-semester developmental sequence in ESL instruction, this course provides a variety of learning activities to improve reading and vocabulary skills through writing activities. Prerequisite: appropriate Accuplacer composite ESL Reading, ESL Listening, and ESL Grammar Usage scores.

CM079 PEER TUTOR TRAINING1

This course prepares students to be peer tutors. The students will learn how to adjust to different learning styles, incorporate brain-based learning, and apply study strategies to specific courses.

CM087 READING COMPREHENSION..... 1-3

Complex materials are no longer a mystery as critical thinking about main ideas and details, summarization, and identification of patterns of organization are used to comprehend text. Reading and writing are blended to build strong academic skills.

***CM094 COMPOSITION WORKSHOP.....3**

Composition Workshop is a developmental course designed for the student who needs individualized instruction in the clear and correct usage of English grammar, extended practice with writing form and purpose, and additional support in the development of successful writing habits. Grading for this course will be pass/no pass. Co-requisite: Because Composition Workshop focuses on building writing skills, Composition Workshop should be paired with an English Composition I (CM 101) course at the time of enrollment. Students withdrawing from English Composition I (CM 101) will need instructor's permission to remain in Composition Workshop. Prerequisite: Appropriate ACT Accuplacer writing score, an appropriate writing score on the college-administered writing sample, or a C or better in Transitional English. (This course, or derivations of this course, may be offered as part of a pilot study).

CM098 TRANSITIONAL ENGLISH3

Transitional English helps students develop their reading and writing skills in preparation for Intermediate English, English Comp I and English Comp II courses. This class includes various writing assignments, grammar review, and critical reading. The class structure consists of lecture, discussions, class workshops, individual conferences, small group work, and in-class writing. Students should expect to spend at least five hours per week on homework for this course. Students may also be required to work assignments in the Learning Skills Center.

***CM099 INTERMEDIATE ENGLISH.....5**

Intermediate English is a developmental course designed for the student who needs instruction in effective sentence and paragraph construction, short themes and improvement of writing skills.

(This course, or derivations of this course, may be offered as part of a pilot study.) Prerequisite: Appropriate ACT/Accuplacer score or Transitional English.

CM101 ENGLISH COMPOSITION I.....3

English Composition I provides instruction in writing with emphasis on grammatical correctness, acceptable usage, effective organization, and expression of ideas. Assigned reading, research and expository writing are required. Prerequisites: Appropriate ACT/Accuplacer score or Intermediate English.

CM102 ENGLISH COMPOSITION II3

English Composition II is a continuation of English Composition I with an emphasis in writing and rewriting. Assigned readings, argument and persuasion, literary analysis (poetry, fiction, drama), and research are included. Prerequisite: English Composition I.

CM106 CREATIVE WRITING I.....3

Creative Writing I is designed to present opportunities for the writing and rewriting of short story, poetry, drama, and other genres. It is a time for students to immerse themselves in the discipline of writing and become more conscious as writers - trying other genres, setting writing schedules, trying out advice for revision, discovering what makes them tick as a writer. Recommended preparatory course: English Composition I.

CM107 CREATIVE WRITING II.....3

Creative Writing II is designed to stimulate creativity and encourage students to seek answers and interpretations beyond the obvious - to develop insight and creative vision. It goes beyond the requirements of Creative Writing I, however, in that students work on one lengthy work or a series of connected short works, and consult with the instructor in and outside class in addition to the regular work of the class. Prerequisite: Creative Writing I.

***CM115 PUBLIC SPEAKING3**

Public Speaking is an elementary course in the study and practice of the basic principles of speech and interpersonal communication with emphasis on critical thinking, the creative and intelligent selection of material, organization and oral presentation. Students taking this class in an online format will be required to record and submit speeches electronically. All speeches must be recorded in front of a live audience which the students must arrange. Minimum audience numbers vary by speech.

CM120 SURVEY OF TECHNICAL WRITING.....3

Survey of Technical Writing is an introduction to the process of technical and business writing. Topics include conducting audience and needs analysis; organizing and writing clear, precise, grammatically correct workplace prose; and producing a variety of routine professional reports and correspondence. Focused projects will include applied business/industry or technical degree exercises. Prerequisite: Appropriate ACT/Accuplacer score or Intermediate English.

Course Descriptions

CM121 INTRODUCTION TO LITERATURE.....3

Introduction to Literature is a survey of literature from Britain, the United States and other countries emphasizing major poets, fiction writers and playwrights plus general literary analysis, including the literary devices used in these genres. Prerequisite: English Composition I. Recommended preparatory course: English Composition II.

CM122 AMERICAN LITERATURE I.....3

American Literature I is a historical survey of the literature of early Americans, emphasizing major authors, literary trends, historical events and significant ideas from the Colonial Period through the Transcendental Movement of the 1850's. Prerequisite: English Composition I. Recommended preparatory course: English Composition II.

CM123 AMERICAN LITERATURE II.....3

American Literature II is a study of American literature from the Civil War period through the trends of realism, naturalism, and on into the ideas and literary trends of modern and contemporary America. Prerequisite: English Composition I. Recommended Preparatory Courses: English Composition II.

CM124 WORLD LITERATURE AND THE HUMAN EXPERIENCE3

World Literature provides an opportunity for students to explore the multi-cultural and enduring human experience as presented through a sampling of significant global literature from the fields of fiction, poetry, and plays. The course emphasizes the study and consideration of the literary, cultural, and human significance of selected great works of literature. An important goal of the class is to promote an understanding of the works in their cultural/historical contexts and of the enduring human values which unite the different literary traditions. Students will develop an understanding of the similarities and differences of these literary works by using the literary theories of history, gender, race, biography, class, religion and culture and tools of literary analysis to allow a greater understanding and cultural awareness of different areas of the world. Prerequisite: English Composition I. Recommended preparatory courses: English Composition II.

CM125 LITERATURE FOR CHILDREN3

Literature for Children is a survey of literature for children particularly in the elementary grades. It gives an opportunity to read and evaluate many books, stories and poems. Also promoted are resources and practical applications for reading aloud in the classroom, as well as igniting a love for reading in the mind of the individual child. For teachers in elementary education. Prerequisite: English Composition I. Recommended preparatory course: English Composition II.

CM127 THE SHORT STORY.....3

The Short Story is a survey of short stories from both American and selected world authors. Selected short stories from different eras are studied. Assigned readings, various themes, and literary

analysis are included. Prerequisite: English Composition I. Recommended preparatory course: English Composition II

CM129 MEDIA LAW AND ETHICS.....3

Media Law and Ethics is designed to instill a greater appreciation for freedom of expression, provide an overview of the diverse field of communications law, and impart a functional understanding of the legal rules and principles that are generally relevant to journalism and mass communication professionals in the U.S.

CM136 MASS COMMUNICATIONS SOFTWARE3

An introduction to, and studio practice in, the area of visual communication. Emphasis is placed on mastery of software applications used in the communication graphics industry. Emphasis will be given to concepts relating to the organization of how software applications can support design concepts, color usage, image and concept development, and creative problem solving.

CM137 INTRODUCTION TO MULTIMEDIA COMMUNICATIONS.....3

This course is an introduction to reporting and storytelling through a combination of mass communication mediums including radio, print, web, visual, and social media. Students will apply the concept of "media convergence", the synthesis of multiple modes of media, to communicate dynamic and coherent messages. This course offers extensive hands-on experience using multimedia tools, terminology, and techniques to develop multimedia projects. Recommended Prerequisite: CM136 Mass Communications Software.

CM138 BROADCAST NEWS3

Broadcast News is an extension of Basic Media Writing and Intro to Multimedia Communications that emphasizes techniques involved in gathering, writing, and presenting the news specifically for radio, video, and web broadcasts. Students will cover the events and prepare the story for both live and pre-recorded broadcasts. The course will also include instruction for feature story presentation, interviews, and issues that confront the responsible journalist. Prerequisite: Basic Media Writing and Introduction to Multimedia Communications, or permission of the instructor.

CM139 SPORTS BROADCASTING3

Sports Broadcasting provides students a more in-depth look at the mechanics and preparation aspects involved in the coverage of a sporting event. Students will operate the equipment, prepare the information, and do the actual "on-air" broadcasts of sporting events. Emphasis will also be placed on sports reports, coach and athlete interviews, broadcast equipment terminology, and play-by-play announcing. Prerequisite: Basic Media Writing or permission of instructor.

CM140 THEATRE APPRECIATION3

Theatre Appreciation challenges students to interpret, criticize, and appreciate roles theatre plays in society through positive comparisons to our modern "theatre of availability" - television and film.

Course Descriptions

CM141 INTRODUCTION TO PERFORMANCE: OFFSTAGE AND ON3

Introduction to Performance offers students a unique and comprehensive awareness that acting is a natural part of everyday life. The student should be able to connect the acting experiences found in the lives of ordinary people with those crafted for theatrical characterization.

CM142 ADVANCED PERFORMANCE: OFF-STAGE AND ON3

Advanced Performance is a course intended to further students' acting skills through the study of various aspects of the creative craft. On a rotating basis, the course may cover aspects of vocal production, period acting styles, or alternative acting approaches and techniques. Course emphasis will be on script analysis, characterization, ensemble acting, creativity, and preparation.

CM143 PLAY PRODUCTION3

Play Production is a lecture-lab course with emphasis on acting in dramatic productions under performance conditions. Lectures and practice in the processes of interpretation and techniques of theatrical expression. Course culminates in a performance for public viewing.

CM146 PLAY PRODUCTION II.....3

Play Production II, a continuation of Play Production, is a lecture-lab with emphasis on direct experience in play production, either as a performer, an assistant director, stage manager, or in technical support capacity.

CM148 AMERICAN CINEMA APPRECIATION3

American Cinema Appreciation is a survey of the American film industry as an art form, as a business, and as a system of representation and communication. The course further explores how Hollywood films work technically, aesthetically, and culturally to reinforce and challenge America's national self image.

CM155 DIGITAL MAGAZINE PRODUCTION: STORYTELLING3

Digital Magazine Production: Storytelling is the content component of the digital magazine project, published annually in April, which documents a year in the life of Cloud County Community College. This class requires students to use multiple modes and genres of storytelling to meet the needs of a specific audience in a real-time project. Students will cover life at Cloud from multiple perspectives using traditional print, visual, audio, and video formats.

CM156 DIGITAL PRODUCTION; DESIGN AND STYLE3

Digital Magazine Production: Design and Style is the design component of the digital magazine project, published annually in April, which documents a year in the life of Cloud County Community College. This class focuses on the foundation of the

project including principles of design and photography, the creation of a style and layout manual for the project, and the basics of storytelling in print, visual, audio, and video formats.

CM157 MASS MEDIA PRODUCTION I.....3

This course is a hands-on, in-depth study of how media conventions and content interact. In this applied production course, students will use the principles of convergent media to report school, community, and national news, sports, and lifestyle stories to T-Bird News as well as other real-world industry outlets. Students will work hands-on, discovering, developing, composing, editing, and publishing a story. Students will be required to produce and publish each story using a variety of media including print, radio, video, and web.

CM158 MASS MEDIA PRODUCTION II3

This course emphasizes a multi-disciplinary and multimedia approach to business-client relationships. Students will prepare a strategic communication campaign on behalf of a local client. It will include the production of material in a variety of mediums including print, radio, video, and web for use by the client. These materials, in turn, may be used by the students as they develop their professional portfolios. This class is rooted in critical thinking, research, multimedia production, and problem solving as well as professionalism and strong communication skills.

CM220 COOPERATIVE EDUCATION INTERNSHIP 1-6 See CA220.

CM240 INTERPERSONAL COMMUNICATIONS3

This course is a study of dyadic communication within interpersonal relationships between friends, family, fellow students, romantic partners, supervisors, and colleagues in the workplace. Emphasis is placed on the role of healthy and meaningful communication in establishing, building, maintaining, and sometimes refashioning personal and/or professional interpersonal relationships. Course content stresses how to become a more effective and competent communicator by exploring personal communication goals, analyzing communication barriers, identifying relational breakdowns in communication, and addressing conflict scenarios in order to deepen a student's understanding of the communication process and improve communication skills.

* A lab fee will be assessed for these courses.

COMPUTER SCIENCE

CS102 PERSONAL COMPUTING3

Designed for individuals to become familiar with microcomputers and their operations. An introduction to the Windows environment will be discussed. Microsoft software will be used to apply this knowledge in the use of word processing, data-base, electronic spreadsheet, and data communications technology for both home and business use.

Course Descriptions

CS104 INTRODUCTION TO WEB SITE DESIGN3

Intended as an introductory course on creating Web pages. The objectives of this course are: to teach the fundamentals of developing Web pages using HTML; to acquaint students with the XHTML guidelines; to show students how to create Web pages suitable for course work, professional purposes, and personal use; to expose students to common Web page formats and functions; and to promote curiosity and independent exploration of World Wide Web resources. Prerequisite: Knowledge of computer software and Windows operating systems.

CS107 GRAPHIC SOFTWARE APPLICATIONS.....3

Introduction to, and studio practice in, the area of visual communication. Emphasis is placed on mastery of software applications used in the communication graphics industry. Emphasis will be given to concepts relating to the organization of how software applications can support design concepts, color usage, image and concept development, and creative problem solving.

CS108 ^T COMPUTER APPLICATIONS3

Designed for individuals to become familiar with computer concepts and their operations. The student will be able to use Windows to create and organize files and folders and to perform essential file management procedures. Proficiency will be attained with the use of the current Microsoft Office suite. Emphasis will be placed on problem solving with the use of word processing, spreadsheets, databases, the Internet, basic web page development, and presentation software for both home and business use. Hands-on, practical projects will be performed to reinforce the concepts.

CS155 NETWORKING AND COMPUTER TECHNOLOGY...3

Introduces the student to the networking field. Focuses on network terminology and protocols, local-area networks (LANs), wide-area networks(WANs), Open System Interconnection (OSI) model, cabling, cabling tools, switches, routers, Ethernet, Internet Protocol (IP) addressing, and network standards. The course will reinforce lecture and study from the text with laboratory activities through a simulated networking program called LabSim™ Online for Network+.

CS204 ADVANCED WEB SITE DESIGN / WITH LAB4

Introduction to, and practice with, major software used in web site design. Emphasis is placed on mastery of software applications used in the communication graphics industry. Emphasis will be given to concepts relating to the organization of how software applications can support web design concepts, color usage, image and concept development, and creative problem solving. Prerequisite: Introduction to Web Site Design

CS220 COOPERATIVE EDUCATION INTERNSHIP 1-6 See CA220.

ECONOMICS

EC101 ^T ECONOMICS I.....3

Presents a macroeconomic approach in the introduction of the concepts of scarcity, national income and monetary analysis, the economic role of government, brief history, and economic growth.

EC102 ^T ECONOMICS II3

Is concerned with microeconomic approach to the economics of the business firms and the market structures for the product and resource market allocation. Supply and demand will be studied in some detail, plus cost-benefit analysis and some domestic and international problems.

EC110 MONEY AND BANKING3

Stresses practical aspects of money and banking and emphasizes basic monetary theory. Study covers economic stabilization, types of spending, role of gold, limitations of central bank control, government fiscal policy, balance of payments, Federal Reserve System, and foreign exchange showing repercussions on the banking industry.

EC220 COOPERATIVE EDUCATION INTERNSHIP 1-6 See CA220.

EDUCATION

ED100 INTRODUCTION TO EDUCATION.....3

An introductory course for students considering a career in professional education. The course includes historical, philosophical, sociological and learning developments within the education profession, professional needs and demands and requirements of professional education programs. Prerequisite: at least a 2.5 GPA in a minimum of 12 General Education hours creditable to a university teacher education program; simultaneous classroom experience (ED101 or a practicum connected with another course).

ED101 INTRODUCTION TO EDUCATION PRACTICUM....2

Is designed to provide aspiring education majors an opportunity to observe and interact with teachers and students in an elementary and secondary setting. Opportunities to evaluate the total spectrum of education will be offered through direct observation. Prerequisite: at least a 2.5 GPA in a minimum of 12 General Education hours creditable to a university teacher education program; proof of liability insurance. The student must be dual enrolled in ED100 Introduction to Education.

ED108 ADULT LEARNING STYLES1

Is designed for educators who wish to increase their knowledge and skill in the area of lifelong learning instructional techniques.

Course Descriptions

ED114 ART IN THE ELEMENTARY CLASSROOM.....3
Art methods, materials and philosophy of children's art at different grade levels. This is considered a lab class.

ED117 AMERICA READS PRACTICUM1
Is designed to aid the student who is participating in the Federal Work Study America Reads Program to: gain knowledge from the experience, to understand the tutoring process, document the experience for future use in a Baccalaureate Program.

ED118 DIVERSE LEARNERS3
There are many ways that students differ from each other in academic situations. Understanding the implication of differences in abilities, disabilities, cultural backgrounds, religious backgrounds, psychological disorders, and first languages on learning can enhance the effectiveness of teachers in their classrooms.

ED119 TEACHER CADET CLASS.....3
The course is an introduction to the field of teaching. The course includes observation opportunities in local classrooms and didactic experiences in their various high schools. The intent of the class is to help students to decide if teaching is a career that they would want to pursue in the future.

ED123 MUSIC IN THE ELEMENTARY CLASSROOM.....3
A methods class that is designed to encourage thinking about teaching. Another primary purpose of the class is to encourage an understanding of how to help students express themselves through music. The class will prepare the student with a foundation in competencies to prepare materials, establish teaching objectives, and teach the use of music within the elementary classroom. The class will provide the student with skills in using recorders, guitars, keyboards, and rhythm instruments for musical activities. Time will also be spent with rhythmic movement, and doing creative musical activities.

ED124 ELEMENTARY SCHOOL PHYSICAL EDUCATION ..3
A methods class that is designed to instruct students in the essential components for teaching physical education to elementary students. Included in the class will be teaching styles, the development of children's physical, cognitive, and social skills, and organization of movement activities.

ED220 COOPERATIVE EDUCATION INTERNSHIP 1-6
See CA220.

FOREIGN LANGUAGE

FL101 WORKPLACE SPANISH3
This course prepares non-Spanish-speaking persons to use functional Spanish language skills on the job. These skills will enable them to communicate simply and effectively with Spanish-speaking customers and co-workers.

FL110 CONVERSATIONAL SPANISH.....3
Is a course designed to familiarize the student with the basic forms of the Spanish language that are used in everyday speech. The focus of the course is on the development of oral and written communication skills.

FL111  SPANISH I.....4
Is a course designed as an overview of the initial grammar, vocabulary, and special features of the Spanish language. The focus of the course is upon the enhancement of reading, writing and oral communication skills.

FL112 SPANISH II4
Is a course designed to complete the initial grammar, vocabulary, and Spanish language began in Spanish I. The focus of the course is upon the enhancement of reading, writing, and oral communication skills. Prerequisite: Spanish I.

FL113 GERMAN I4
Is designed to teach basic grammar and vocabulary of the German language. The focus of the course is upon the development of reading, writing, oral, and aural communication skills. Basic elements of the German culture will also be introduced.

FL114 GERMAN II4
German II is designed to build upon the material introduced in German I. The focus of the course is upon the further development of reading, writing, oral, and aural communication skills. Basic elements of the German culture will also continue to be introduced. Prerequisite: German I

FL200 SPANISH III.....4
Is a course designed to complete the grammar, vocabulary, and Spanish language began in Spanish II. The focus of the course is upon the enhancement of reading, writing, and oral communication skills. Prerequisite: Spanish II.

GEOGRAPHY

GE101  WORLD GEOGRAPHY.....3
World Geography is designed to survey the geographic and cultural features of the world's major regions. A central theme concerns the role played by technological change in shaping both the lifestyles and landscapes found in each of the regions studied. The resulting contrasts between the Technological World and the Developing World are examined in detail.

HUMAN ECOLOGY

HE124  NUTRITION3
Is designed to support the concept that achieving and maintaining optimal nutritional status is an essential component of health promotion. A molecular approach to nutrition is used as a basis for

Course Descriptions

understanding the importance of nutrition in health and disease. Facts and principles are included to give the student a basic nutritional background to later enhance high quality nutritional care. The information acquired in this course will be used as the basis for understanding therapeutic nutrition.

EARLY CHILDHOOD EDUCATION

***HE095 ORIENTATION TO EARLY CHILDHOOD**

DEVELOPMENT.....2

This course is a supplemental course to accompany HE150, Early Childhood Development, and is designed to aid the student who has scored below 74 on the reading and below 78 on the writing of the Accuplacer test, or below 41 on the ASSET test, or below 21 on the ACT test, or who indicated that they would like additional assistance with the course. Included will be review of the lectures in a discussion format, computer aided instruction, additional videos to explain concepts, and the use of chapter vocabulary worksheets and review questions for the HE150 lectures.

***HE144 INCLUSIVE EARLY CHILDHOOD EDUCATION ...3**

This course is a study of the research applications of how special children are included in the inclusive educational and day care settings. Emphasis will be placed on proven recommendations for inclusion merging early childhood education and early childhood special education philosophies.

***HE147 PRINCIPLES OF THE CHILD DEVELOPMENT**

ASSOCIATE CREDENTIAL3

Will focus on the preparation for the Child Development Associate (C.D.A.) credential. The students will write their competency statements, prepare their Professional Resources File and study for the Early Childhood Studies Review. A person who has met the criteria established by the Council for Early Childhood Professional Recognition earns the CDA Credential. Successful completion of this course does not guarantee the granting of the C.D.A. by the Council for Early Childhood Professional Recognition.

***HE149 INTRODUCTION TO EARLY CHILDHOOD**

EDUCATION1

This course is an introduction to employment opportunities in Early Childhood Education. An overview of philosophies, ethics and developmentally appropriate practice will offer students a look into what they can expect from this field.

***HE150 EARLY CHILDHOOD DEVELOPMENT.....3**

Is a study of the physical, cognitive, affective, social, and emotional development of the child from conception to age eight. Emphasis is on the interrelationship of growth and behavior of the preschool child. Included will be the influence of cultural environment on development and individual differences in development.

***HE151 EARLY CHILDHOOD DEVELOPMENT LAB1**

The student will observe and learn about cognitive, emotional,

social and physical development of the child from birth to age eight. The student will also learn proper observation techniques to be used for tracking healthy development.

***HE152 INTERACTION TECHNIQUES WITH YOUNG**

CHILDREN3

Is a study of the guidance approaches which can be used to interact with and guide young children in a group or family setting. Communication skills and development of a positive self-concept will be emphasized.

***HE153 CREATIVE ACTIVITIES FOR YOUNG**

CHILDREN.....3

Is an introduction to various learning activities which may be used with preschool aged children in a group setting, focusing on selection, preparation, and presentation. Prerequisite: Successful completion of HE150.

***HE154 CREATIVE ACTIVITIES FOR YOUNG CHILDREN**

LAB1

Is a laboratory experience to plan, prepare, present, and evaluate a variety of activities for preschool aged children.

***HE155 PARENT, PROVIDERS, AND COMMUNITY**

RELATIONSHIPS3

Is a study of Early Childhood Education provider's interrelationships with parents, colleagues, and the community. Topics included are public relations, family diversity and development, asset building, evaluations, parent meetings, parent-teacher communications, and professionalism.

***HE156 DEVELOPMENTAL PROGRAM PLANNING**

FOR YOUNG CHILDREN OVER 2.5.....3

Is a study of the techniques of curriculum planning for young children over 2.5 years in a group setting, emphasizing the organization of activities into complete unit plans and year long plans. Assessment techniques and accountability in terms of curriculum will be emphasized.. Prerequisite: Successful completion of HE152, HE153, and HE154.

***HE157 DEVELOPMENTAL PROGRAM PLANNING**

FOR YOUNG CHILDREN OVER 2.5 LAB1

Student will participate in various activity centers in a child care facility and will teach segments of the unit plans developed in Developmental Program Planning. Prerequisite: Successful completion of HE154 with a C or better.

***HE158 DIRECTED FIELD EXPERIENCE6**

Is a supervised practicum in which students are responsible for daily planning, preparation, presentation, and evaluation of activities meeting developmental needs of children in an approved licensed child care facility. A minimum of 350 on-site hours is required for the semester. Weekly on-campus seminars. Prerequisite: Successful completion of HE156 and HE157 with a C or better and approval of instructor.

Course Descriptions

***HE159 DIRECTED FIELD EXPERIENCE SEMINAR1**
Designed to facilitate the experience the students have in the approved licensed Child Care Facility. Topics of interest relevant to the learning taking place in the Centers will be discussed. Daily journals will be kept to facilitate optimal learning for the students. Must be taken concurrently with HE158.

***HE160 CHILD CARE ADMINISTRATION AND ORGANIZATION3**
Is an analysis of the administrator's role in the Early Childhood Education Center. Application of philosophical approaches, communication techniques, and management skills necessary to operate early childhood programs. Federal, State, and local regulations and support systems will also be discussed.

***HE161 HEALTH & NUTRITION FOR YOUNG CHILDREN3**
Is a study of the health, safety, and nutritional needs of children (prenatal to age 8). Emphasis will be placed on the methods in which these health, safety, and nutritional needs can be met in a child care facility.

***HE162 CHILD CARE MANAGEMENT.....1**
Is a reflective course dealing with management style as it relates to child care and guidance. The practical application of management principles as they relate to child care and guidance will be emphasized.

***HE163 PARENTING3**
Is a study of varying approaches to parenting and their impact on the child's behavior and development. The major content of the course concerns preparing for parenthood using the democratic approach to parenting.

***HE164 DEVELOPMENTAL PROGRAMS PLANNING FOR YOUNG CHILDREN UNDER 2.53**
This class will focus on the development of the child ages birth to thirty-six months and how to plan for this child in group care. Emphasis will be placed upon the parent-child relationship, parent-teacher relationship, child-teacher relationship, and development of the child.

***HE165 DEVELOPMENTAL PROGRAMS PLANNING FOR YOUNG CHILDREN UNDER 2.5 LAB1**
This laboratory will focus on developing appropriate care giving behaviors for working with infants and toddlers. Focus will be placed upon developing care giving skills through direct involvement with the children. The semester will be shared between the infants and toddlers.

***HE168 FAMILY AND CULTURAL PERSPECTIVES.....3**
This course is an overview of diversity topics in early childhood education. Material covered may include, but is not limited to,

reviewing personal biases, relationships with families, preparing the early childhood environment, sensitivity to diversity and conflict resolution.

HE205 EARLY CHILDHOOD EDUCATION LEADERSHIP ..3
This course runs in conjunction with the BELIEF Institute (Building Excellent Leaders Influencing Early Foundations) that is sponsored by Child Care Aware of Kansas. This is a 10 month leadership training program that focuses on change and the early childhood leader's role. It is a model for improving the quality of early childhood programs. BELIEF institute supports participants in implementing quality improvements to their early childhood programs. Participants must be enrolled and complete the BELIEF Institute concurrently.

HE220 COOPERATIVE EDUCATION INTERNSHIP..... 1-6
See CA220.

*** A lab fee will be assessed for these courses.**

HUMANITIES

HU201 HUMANITIES I3
Humanities I is designed to help you gain a richer understanding and enjoyment of the humanities, particularly in Western culture. This course includes an overview of the history of Western cultures between 1600 and the early 1800's and introduces great works of literature, philosophy, art, and music. As an interdisciplinary course, it seeks to show how these different elements contribute to and express human creativity and values. Prerequisite: English Composition I.

HU202 HUMANITIES II.....3
Humanities II promotes the understanding and enjoyment of the humanities in Western culture. This course includes an overview of the history of Western cultures from the 1830's to present time and introduces great works of literature, philosophy, art, and music. As an interdisciplinary course, it seeks to show how these different elements contribute to and express human creativity and values. Humanities I is not a prerequisite for Humanities II. Prerequisite: English Composition I.

INDUSTRIAL EDUCATION

IE106 WELDING.....3
Involves principles and practices in electric and gaseous welding. Course content includes theory of operation of the various electric welding machines (A.C., D.C., M.I.G., and T.I.G.) and gaseous welding equipment (oxygen, acetylene, carbon dioxide, argon, and propane) along with student practice and performance through use. Proficiency in welding various metals, positions, and types of welds will be stressed.

Course Descriptions

IE107 ADVANCED WELDING.....3

Is an advanced course in welding designed to expand the beginning welders' skills and techniques in arc and acetylene welding, as well as expanding his understanding of metallurgy, heat treatment of metals and joint and weld defects. Students in the class are allowed to utilize these skills and understandings projects as jointly determined by the instructor and the student.

IE116 OSHA 10-HOUR CONSTRUCTION TRAINING ... 1/2

This course is intended to provide an entry level construction worker with broad awareness in recognizing and preventing hazards on a construction site. It is also ideal for supervisors with safety and health responsibilities. OSHA recommends the training as an orientation to occupational safety and health. Students will be introduced to OSHA policies, procedures, and standards. Emphasis will be placed on hazard identification, avoidance, control, and prevention. Upon successful completion of the course, participants will receive an OSHA 10-Hour Construction DOL Course Completion Card by mail.

IE117 OSHA 10-HOUR GENERAL INDUSTRY TRAINING..... 1/2

This course is intended to provide an entry level general industry worker with broad awareness in recognizing and preventing hazards on a general industry site. It is also ideal for supervisors with safety and health responsibilities. The course covers a variety of safety and health hazards which a worker may encounter. Students will be introduced to OSHA policies, procedures, and standards as well as general industry safety and health principles. Emphasis will be placed on hazard identification, avoidance, control, and prevention. Upon successful completion of the course, participants will receive an OSHA 10-Hour General Industry DOL Course Completion Card by mail.

IE150 NATURAL/PROPANE GAS & ELECTRICAL SYSTEM SAFETY3

This course provides instruction to plumbers, electricians, and heating/air personnel in the proper techniques and procedures for working with natural or propane installations; as well as electrical lock-out/tag-out. The course covers the components of a gas system, sizing of piping, proper purging of a system, differences between a leak test and a pressure test, flow test, various safety issues, hands-on training with pipe/fitting display boards, demonstration of various testing equipment, and lock-out/tag-out per OSHA regulations.

JOURNALISM

JN100 MASS MEDIA IN SOCIETY.....3

A general survey of the various mediums of mass communication, including print media and electronic media and movies and their roles in American society.

JN101 BASIC MEDIA WRITING.....3

Explores mass media sources of information, the preparation and the application of the media message. After learning techniques for information gathering, students will study and practice the fundamentals of writing for each of the mass media.

***JN115 PHOTOJOURNALISM.....3**

A course of study to develop an understanding of basic photographic and journalistic techniques needed to become a professional journalist. Students will identify and use basic camera functions, write basic cut lines, learn and apply visualization and design skills and manipulation techniques needed in today's market place. Students will develop knowledge about the history as well as discuss the legal and ethical issues of photojournalism and explore careers in the field. Students will have opportunities to create portfolio pieces.

JN140 BEYOND WEB 2.0: SOCIAL MEDIA AS IDENTITY .3

For today's college students, digital communication is the norm, but what does it mean to exist in an online community? Tools like Facebook, Twitter, and text messaging are prevalent and you can learn to use them all to maintain privacy, enhance reputation, and build a more satisfying personal and professional life online. This course proposes to make every enrolled student an astute digital learner. Students will also understand the sociocultural implications of their digital existence and the powerful marketing tool that is social media.

JN220 COOPERATIVE EDUCATION INTERNSHIP..... 1-6 See CA220.

*** A lab fee will be assessed for these courses.**

MANAGEMENT

MG101 MANAGEMENT PRINCIPLES3

Is an introductory course designed to provide the student with fundamental concepts and terminology. Designed for development of managerial techniques and practices and the understanding of their utilizations. For both terminal degree and transfer students.

MG102 SMALL BUSINESS MANAGEMENT3

In this course you will find information on high growth, start-up ventures, such as Dell Computer, Google and Microsoft (all started while the founders were college students, by the way!). But more importantly you will find information on the kinds of small businesses most people really do start. These are small businesses in traditional industries and markets from the "Mom and Pop" retail, a manufacturing or service business, a web-based enterprise to the sophisticated, pre-packaged franchise operation. According to the textbook authors, small businesses are vitally important to

Course Descriptions

our economy and helping them survive has long been an art. In this course you will study the art and the science of small business management. The objective of the course is to help you understand the challenge before you operate your own small business.

MG220 COOPERATIVE EDUCATION INTERNSHIP 1-6
See CA220.

MANUFACTURING SKILLS

MS101 BLUEPRINT READING/GEOMETRIC DIMENSIONS & TOLERANCES2

This program provides students with an overview of geometric dimensions and tolerances, teaching basic methods of reading and interpreting GD&T symbols and how part features are specified in terms of their relationships to other features.

MS102 PRECISION MEASUREMENT & QUALITY CONTROL.....2

The use and reading of precision measurement devices, including mastery of the most common gauges and measurement tools seen in typical work environments, is a requirement for many jobs today. This course enables workers to learn practical, efficient ways to read these devices and build the skills necessary for quality improvement.

MS103 APPLIED SHOP MATHEMATICS I2

Almost every shop activity requires basic math skills. This course will give workers the practical knowledge they need to understand and use basic math for practical problem solving they typically encounter on the job.

MS104 OCCUPATIONAL SAFETY AND HEALTH1

This course provides the student with an understanding of current safety regulations, established safety practices, how to recognize basic hazards and the impact of work related injuries to the company and the employee.

MS105 EMPLOYABILITY SKILLS1

This course prepares students for employment by providing them with the information and skills needed to obtain and be successful at a job. Students will learn how to take full advantage of employment opportunities, including mastering resume writing, cover letters, job search and job interview skills.

MATHEMATICS

(Courses numbered 099 and below will not apply toward graduation.)

MA097 PRE-ALGEBRA3

Provides a comprehensive coverage of basic computational skills and their applications while also covering fractions, decimals,

ratios and proportions, percents, measurement and a brief introduction to variables and algebra.

MA099 ELEMENTARY ALGEBRA3

This course is designed for students with little or no high school algebra, or those who have appropriate math scores on the ACT or Accuplacer exam. Topics covered will include properties of the graphs of linear equations, solution of systems of linear equations, polynomials, factoring rational expressions, and radicals. Prerequisite: Pre-Algebra with a C or better, or appropriate test scores.

MA105 SURVEY OF MATHEMATICS3

Is designed for students earning a two-year, non-transfer degree. Topics covered will include finance, statistics, probability, mathematical relationships, graphs of linear equations and their properties, and geometry. This course will not satisfy prerequisite requirements for College Algebra. Prerequisite: appropriate test scores or Elementary Algebra with a grade C or better.

MA107 MEDICAL MATHEMATICS1

This course covers application problems involving medical dosages and intravenous fluid rates. Students who need orientation to the mathematical procedures of medication calculations will benefit from this course.

MA110 INTERMEDIATE ALGEBRA.....3

This course is designed for students who are inadequately prepared for College Algebra. Topics covered will include linear equations and inequalities, functions, systems of linear equations, polynomials, exponents, rational expressions, radical expressions, and quadratic equations. Prerequisite: appropriate test scores or Elementary Algebra with a grade of C or better or its equivalent.

MA111 COLLEGE ALGEBRA3

This course reviews standard topics of algebra. Students will study linear and quadratic equations, functional notation, linear, quadratic, rational, logarithmic and exponential functions, systems of equations and inequalities, and matrix algebra. Other topics may be covered at the instructor's discretion. Prerequisite: appropriate test scores or Intermediate Algebra with a grade of C or better.

MA112 TRIGONOMETRY3

Is a study of trigonometric functions and their applications, solutions to right and oblique triangles, trigonometric identities, inverse functions, graphs of trigonometric functions, and vectors. Prerequisite: appropriate test scores or College Algebra with a grade of C or better.

MA114 ELEMENTARY STATISTICS3

This course is designed for students with adequate algebra background to cover introductory, non-calculus based statistics. Topics covered will include sampling and displaying data, measures of central tendency and variation, introductory probability theory, discrete probability distributions (binomial), normal distributions,

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standard normal distributions, sampling distributions and the central limit theorem, estimating parameters, hypothesis testing, regression and correlation, chi-square, and non-parametric statistics. Prerequisite: College Algebra with a C or better.

MA115 LINEAR ALGEBRA AND GENERAL CALCULUS3

This course is an introduction to calculus and linear algebra concepts particularly useful to economics and business administration students. It requires no knowledge of trigonometry, and is not intended for a student seeking a degree in a science related field. Topics covered include limits, derivatives, multivariate calculus, basic integrals, and systems of equations. Practical applications include analysis of mixing problems, optimization, analysis of graphs for sales and marketing purposes, and marginal analysis. Prerequisite: College Algebra with a C or better.

MA120 ▮ ANALYTIC GEOMETRY AND CALCULUS I5

This course reviews inequalities, linear equations, function notation, graphing and trigonometry. Students will study limits, continuity, derivatives, differentials, and integrals. Practical applications include graphing, motion, optimization, related rates, Newton's Method, and L'Hopital's Rule. Prerequisite: appropriate test scores or College Algebra and Trigonometry with grades of C or better.

MA121 ANALYTIC GEOMETRY AND CALCULUS II5

This course picks up where MA120 left off with applications of integration. Develops calculus as applied to logarithmic, exponential, and hyperbolic functions. Students study limits, techniques of integration, infinite series, parametric equations and polar coordinates. Practical applications include growth and decay, Taylor series, surface area, work and arc length. Prerequisite: Analytic Geometry and Calculus I with a C or better.

MA122 ANALYTIC GEOMETRY AND CALCULUS III.....5

Students will study vectors, vector functions, surfaces, differentiation, integration, cylindrical and spherical coordinates, and vector calculus. Practical applications will include arc length, area, volume, optimization, and Kepler's Laws. Prerequisite: Analytic Geometry and Calculus II with a C or better.

MA123 DIFFERENTIAL EQUATIONS4

This course is the study of qualitative and quantitative behavior of first- and second-order differential equations, as well as systems of first-order equations. Both analytical and numerical methods for solution will be studied, including the use of Laplace transforms. Prerequisite: Analytic Geometry and Calculus III with a C or better.

MA220 COOPERATIVE EDUCATION INTERNSHIP 1-6

See CA220.

MUSIC

***MU100 ▮ MUSIC APPRECIATION.....3**

Music Appreciation is a basic study of the development of the art of music (European based) and personal development of the art of creative listening through frequent use of recordings. Recommended for the general student and music major.

MU101 AMERICAN MUSIC3

American Music is a study of the development of U.S. music from Colonial times to the present day. Included in the study will be early hymns, folk songs (traditional), spirituals, minstrel shows, ragtime, Dixieland, jazz, classical, Broadway shows, popular songs, Tin Pan Alley, rock and roll, country and western, hip-hop, and rap. This course is recommended for both the general and the music major student.

MU102 WORLD MUSIC3

World Music is a study of music in the context of human civilization and a people's way of life. Cultural awareness leads to an understanding of that way of life. Cultures to be studied will include: Navajo, West Africa, American Blues, South India, Indonesia, Japan, and Ecuador. Recommended for the general student and music major.

MU103 HISTORY OF ROCK MUSIC3

This course will survey the history of rock music from 1950 to the present. Idioms covered will include early rhythm and blues, Southern influenced gospel and spirituals, rockabilly, the California "surf" sound, the British invasion, the Motown sound, pop and folk rock, contemporary Southern rock, heavy metal, funk, and modern hip-hop. Artists and music from these genres will be studied with special emphasis placed on the significance of music in development of popular culture.

MU104 CLOUD COUNTY COMMUNITY CHORALE1

The Cloud County Community Chorale is the community choir of Concordia and North Central Kansas. Comprised of singers from within the community as well as CCCC, the Chorale emphasizes the ideal of the "singing city" --friends and neighbors gathered together to rehearse and perform music from different time periods, with added emphasis on fostering arts and music within Concordia and the broader region. Rehearsals are held once weekly with performances throughout the year. No audition is required.

MU110 ▮ HARMONY AND EAR TRAINING I4

Harmony and Ear Training I is the study of the structure and components of western music. This study will include the fundamental concepts of notation, tonality, intervals, chords, melodic organization, rhythm, harmonic progression and analysis. Additional aural skills concepts of dictation and sight singing will also be covered.

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MU111 HARMONY AND EAR TRAINING II.....4

Harmony and Ear Training II is the intermediate study of the structure and components of western music and builds on the concepts explored in Harmony and Ear Training I. This study will include supplemental concepts of notation, tonality, intervals, chords, melodic organization, rhythm, harmonic progression and analysis. Additional aural skills concepts of dictation and sight singing will also be covered. Prerequisite: Harmony and Ear Training I or consent of instructor.

MU112 HARMONY AND EAR TRAINING III4

Harmony and Ear Training II is an advanced level course with the addition of altered chords, ninth, eleventh and thirteenth chords and simple and complex methods of modulation, plus advanced ear training procedures including harmonic as well as melodic dictation and sight singing. Prerequisite: Harmony and Ear Training II.

MU113 HARMONY AND EAR TRAINING IV.....4

Is a continuation of Harmony and Ear Training III. Prerequisite: Harmony and Ear Training III.

MU117 COLLEGE BAND1

The "Rolling Thunder" is the college activity band. This ensemble rehearses twice per week and performs in a college service capacity at athletic contests and other appropriate campus and community events.

MU118 COLLEGE BAND II.....1

This course is a continuation of College Band. The "Rolling Thunder" is the college activity band. This ensemble rehearses twice per week and performs in a college service capacity at athletic contests and other appropriate campus and community events.

MU119 COLLEGE BAND III1

This course is a continuation of College Band II. The "Rolling Thunder" is the college activity band. This ensemble rehearses twice per week and performs in a college service capacity at athletic contests and other appropriate campus and community events.

MU126 CONCERT BAND.....1

Concert Band rehearses one day weekly and will perform a formal concert each semester. Literature performed will be from the traditional as well as modern band repertoire and will include works from such representative composers as Gustav Holst, Ralph Vaughan-Williams, John Philip Sousa, and Johan DeMeij. Prerequisite: Proficiency on a traditional wind or percussion instrument.

MU127 JAZZ ENSEMBLE.....1

Jazz Ensemble is a small instrumental group designed to perform in the popular idiom, including rock, soul, folk type, and country music. This group is primarily a public performing ensemble that

is small enough to be mobile yet large enough to perform all types of music in the popular fields. By audition. Jazz meets three times a week for fifty-five minutes each, one hour credit.

MU130 APPLIED MUSIC: VOICE.....1

Applied Music: Voice provides the opportunity for the student to improve his singing skills in a direct teacher-to-student instructional setting. Technical skills and their application will be explored within a varied song repertoire.

MU131 APPLIED MUSIC: INSTRUMENT1

Applied Music: Instrument is for individual instruction in instrument of student's choice beginning with student's level of competency.

MU132 APPLIED MUSIC: PIANO1

Applied Music: Piano is for individual instruction in piano beginning with the student's level of competency and developing piano techniques and building a repertoire.

MU134 APPLIED MUSIC: VOICE II1

Applied Music: Voice II is a continuation of Applied Music: Voice. It involves private instruction in voice techniques. Appropriate skills and applications will be addressed through preparation of appropriate literature for recital performance.

MU135 APPLIED MUSIC: INSTRUMENT II.....1

Applied Music: Instrument II is a continuation of Applied Music: Instrument. It involves private instruction in instrumental techniques. Appropriate skills and applications will be addressed through preparation of appropriate literature for recital performance.

MU136 APPLIED MUSIC: PIANO II.....1

Applied Music: Piano II is a continuation of Applied Music: Piano. It involves private instruction in piano techniques. Appropriate skills and applications will be addressed through preparation of appropriate literature for recital performance.

MU137 APPLIED MUSIC: VOICE III.....1

Applied Music: Voice III is a continuation of Applied Music: Voice II. It involves private instruction in piano techniques. Appropriate skills and applications will be addressed through preparation of appropriate literature for recital performance.

MU138 APPLIED MUSIC: INSTRUMENT III.....1

Applied Music: Instrument III is a continuation of Applied Music: Instrument II. It involves private instruction in piano techniques. Appropriate skills and applications will be addressed through preparation of appropriate literature for recital performance.

MU139 APPLIED MUSIC: PIANO III1

Applied Music: Piano III is a continuation of Applied Music: Piano II. It involves private instruction in piano techniques. Appropriate

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skills and applications will be addressed through preparation of appropriate literature for recital performance.

MU140 GUITAR I.....1
Students will learn to play the guitar (chords and notes) using various pick and finger strums. No previous knowledge of the instrument is required. The student must furnish his own instrument.

MU141 GUITAR II1
Students will learn intermediate guitar techniques supplementing music reading and chordal realization including barre chords and introduction to classical style playing. This course is a continuation of Guitar I (MU140). Prerequisite: Guitar I or equivalent as determined by the instructor.

MU142 GUITAR III.....1
Students will learn advanced guitar techniques including advanced chordal realization and preparation for performance of classical literature. This course is a continuation of Guitar II (MU141). Prerequisite: Guitar II or equivalent as determined by the instructor.

MU146 CHAMBER SINGERS1
Chamber Singers is the flagship ensemble of CCCC that performs for college, community and area events. Emphasis is placed on performance, literature and musicianship. This ensemble performs frequently. Membership is by audition.

MU147 CHAMBER SINGERS II.....1
Chamber Singers II is a continuation of Chamber Singers I. Chamber Singers is the flagship ensemble of CCCC that performs for college, community and area events. Emphasis is placed on performance, literature and musicianship. This ensemble performs frequently. Membership is by audition.

MU148 CHAMBER SINGERS III1
Chamber Singers III is a continuation of Chamber Singers II. Chamber Singers is the flagship ensemble of CCCC that performs for college, community and area events. Emphasis is placed on performance, literature and musicianship. This ensemble performs frequently. Membership is by audition.

MU160 CONCERT CHOIR1
Concert Choir is a large, mixed-voice ensemble that performs for collegiate and community events. Emphasis is placed on developing musical skills, exploring diverse musical literature, and offering a challenging and satisfying musical experience. Rehearsals are held twice weekly. No audition is required.

MU160 CONCERT CHOIR II1
Concert Choir II is a continuation of Concert Choir.

MU220 COOPERATIVE EDUCATION INTERNSHIP 1-6
See CA220.

* A lab fee will be assessed for these courses.

NURSING

***NR111 LIFESPAN NURSING I.....9**
This course is an introduction to the professional role of the nurse and nursing process. Foundational psychomotor skills, safe practice, and basic communication skills are taught to provide care to adults and older adults. Requisite lab and clinical experiences are part of this course. Prerequisite: Anatomy & Physiology, Human Growth and Development, General Psychology, Intermediate Algebra or higher with grade C or higher, and admission to the associate degree nursing program.

***NR112 LIFESPAN NURSING II9**
This course is an introduction to the care of healthy families, health promotion, and patient centered care associated with common acute and chronic physical and psychosocial health alterations across the lifespan. Requisite lab and clinical experiences are part of this course. Prerequisite: Successful completion of Lifespan Nursing I, Pathophysiology, and Pharmacology I with a grade of C or higher.

***NR113 PHARMACOLOGY I.....1**
This course is an introduction to pharmacology and complementary therapy focusing on drug dose calculations and pharmacologic terminology. Prerequisite: Intermediate Algebra and admission to the ADN program.

***NR114 PHARMACOLOGY II.....2**
This course focuses on nursing implications associated with pharmacologic therapy for patients across the lifespan experiencing acute and chronic health alterations. Prerequisite: Pharmacology I with a grade C or better.

***NR115 PHARMACOLOGY III1**
This course focuses on advanced pharmacologic dose calculations and nursing implications for patients across the lifespan with complex health alterations. Prerequisite: Pharmacology II with a grade C or better or admission to the Nursing Program with Advanced Standing.

***NR210 LPN TO RN BRIDGE COURSE.....2**
This course focuses on professional standards, scope of practice, clinical reasoning and psychomotor skills for the Registered Nurse. Prerequisite: Completion of a practical nurse program, LPN licensure or candidate for licensure, admission to the ADN program, Anatomy and Physiology, Human Growth and Development, Intermediate Algebra, and Pathophysiology.

Course Descriptions

***NR211 LIFESPAN NURSING III9**
 This course is an introduction to the care of healthy families, health promotion, and patient centered care associated with common acute and chronic physical and psychosocial health alterations across the lifespan. Requisite lab and clinical experiences are part of this course. Prerequisite: Successful completion of Lifespan Nursing II, Pharmacology II with a grade C or higher, and Pathophysiology or LPN licensure, Anatomy and Physiology, Human Growth and Development, English Composition I, Intermediate Algebra, Pathophysiology and admission to the ADN program.

***NR212 LIFESPAN NURSING IV9**
 This course addresses emergent and multisystem healthcare problems. It supports the transition of the student to the professional role of the nurse. Requisite lab and clinical experiences are part of this course. Prerequisite: Pharmacology III with a grade C or higher and Lifespan Nursing III with a grade C or higher.

NR220 COOPERATIVE EDUCATION INTERNSHIP..... 1-6
 See CA220.

* A lab fee will be assessed for these courses.

PHYSICAL EDUCATION

PE101 TEAM SPORTS I.....1
 Is designed to give the student an opportunity to participate in physical education activities of a team nature. Areas of interest includes, but are not limited to, soccer, men's basketball, women's basketball, volleyball, baseball, softball, and men's and women's track.

PE102 TEAM SPORTS II1
 Is designed to give the student an opportunity to participate in physical education activities of a team nature. Second semester activities are basketball, volleyball, and softball.

***PE107 BOWLING I.....1**
 Is designed to teach the fundamentals of bowling to the beginner or to one who needs to improve his\her skill.

***PE108 ARCHERY1**
 Is designed for students interested in the sport of archery. The course will teach the student fundamentals in archery skills and competition.

PE109 GOLF I.....1
 Is designed to teach the fundamentals of golf.

PE110 TOTAL FITNESS.....1
 Is designed to bring about changes in the body as manifested by physical exercise. This course can be physically demanding, but

very satisfying for those interested in improving their physical condition. Students will be informed on how to correctly use all of the equipment in the fitness center, and will have the opportunity to ask questions of the instructor or the fitness center staff member on duty when working out.

PE113 SOCIAL DANCE I1
 Is a beginning course teaching basic steps such as fox-trot, waltz, polka, line dances, jitterbug, etc., and a knowledge of ballroom etiquette.

PE114 SOCIAL DANCE II.....1
 Includes advanced ballroom dance steps. Learn steps to the hustle, cha cha, folk dancing, and variations of steps learned in Social Dance I. Prerequisite: Social Dance I.

PE118 AEROBICS.....1
 Is a course designed to achieve and maintain a persons total fitness. Total fitness is achieved through the development of strength, endurance, dedication, forming good attitudes and self-discipline.

PE119 WEIGHT TRAINING AND PHYSICAL FITNESS.....1
 Involves development of the muscular system as well as overall fitness. Includes explanation of muscular function and how to plan a conditioning program suited for an individual. This course is physically demanding, but very satisfying for those interested in improving their physical condition.

PE125 FITNESS FOR LIFE.....1
 The primary purpose of this course is to acquaint students with a basic knowledge, understanding and value of physical activity as related to optimal healthful living.

PE126 CHEERLEADING I1
 Is designed to teach the student the fundamentals of cheerleading. This is a first level cheer class. Students will learn beginning stunting including the preparation and practice of routines, weight conditioning programs, knowledge of personal health and self-motivation, as well as focusing on cheer techniques. Students will also learn cheer terminology, choreography, and other related topics. (With approval of Cheer Coach.)

PE127 CHEERLEADING II1
 Is designed to teach the student the fundamentals of cheerleading. This is the second level of cheerleading. Students will be expected to be role models and help teach the advanced stunting to the first level students. This includes the preparation and practice of routines, weight conditioning programs, knowledge of personal health and self-motivation, as well as focusing on stunting techniques. Students will also learn stunting terminology, choreography, and other cheer related topics. (With approval of Cheer Coach.)

PE128 DANCE TEAM I.....1
 Is designed to teach the student the fundamentals of dance. This is a first level dance class that will include the preparation and

Course Descriptions

practice of routines, weight conditioning programs, knowledge of personal health and self-motivation, as well as focusing on jazz, hip hop, lyrical, and modern dance techniques. Students will also learn dance terminology, choreography, and other dance topics. (With approval of Dance Coach.)

PE129 DANCE TEAM II1

Is designed to teach the student the fundamentals of dance. This is a second level class where the students will be more involved with helping demonstrate techniques and will include the preparation and practice of routines, weight conditioning programs, knowledge of personal health and self-motivation, as well as focusing on jazz, hip hop, lyrical, and modern dance techniques. Students will also learn dance terminology, choreography, and other dance related topics. (With approval of Dance Coach.)

PE130 INTRODUCTION TO PHYSICAL EDUCATION.....3

Surveys the modern program of physical education, fitness and sport as to its history, philosophy, aims and objectives. It covers a broad scope of topics including personal fitness, scientific foundations, exploring careers professional development, coaching and athletics and social foundations.

***PE131 FIRST AID AND SAFETY3**

Acquaints the student with safety and first aid (treating injuries and sudden illnesses) in the home, school, and community. The National Safety Council first aid course and American Heart Association Heartsaver and Healthcare Provider courses are offered.

PE134 PERSONAL AND COMMUNITY HEALTH3

The study of personal health and wellness of the individual. The course examines several areas of wellness to include the physical, psychological, social, intellectual, spiritual, and environmental dimensions. The student will assess him/herself in numerous areas of lifestyle (i.e. stress, physical fitness, nutrition, destructive behaviors, communicable diseases, chronic diseases) and examine ways to improve his/her health for the future.

PE135 CONCEPTS OF PHYSICAL EDUCATION.....1

The primary purpose of this course is to acquaint students with a basic knowledge, understanding and value of physical activity as related to optimal healthful living. The course will include physical fitness assessment, exercise prescription, nutrition, weight management and stress management.

PE136 THEORY OF COACHING3

A comprehensive introduction to the art and science of coaching. This course introduces a positive coaching philosophy, the principles of coaching as digested from the fields of sport psychology, sport pedagogy, sport physiology, sport medicine, and sport management. This course includes American Sport Education Program Coaching Principles certification (K.S.H.S.A.A. - Level 1 certification)

PE137 INTRODUCTION TO RECREATION3

This course is designed to introduce the student to the nature, scope and history of recreation, leisure services, and outdoor education. It examines trends and issues of leisure studies and out-of-door recreation, and potential of these areas of service as a profession.

PE139 TECHNIQUES OF COACHING BASKETBALL2

Is designed to provide coaches with the skills needed to organize and develop a quality basketball program. It will include basketball techniques, strategies, theories, philosophies of offense and defense, also organizational, administrative skills to handle parents, players, assistant coaches and school personnel. Class will consist of lectures, small group activity, videos, observations and gymnasium activity.

PE140 TECHNIQUES OF COACHING VOLLEYBALL2

Is designed to provide coaches with the skills needed to organize and develop a quality volleyball program. It includes volleyball techniques and tactical strategies (offenses and defenses) of the game.

PE141 PERSONAL WELLNESS3

The study of personal health and wellness of the individual. The course examines several areas of wellness to include the physical, psychological, social, intellectual, spiritual, and environmental dimensions. The student will assess him/herself in numerous areas of lifestyle (i.e. stress, physical fitness, nutrition, destructive behaviors, communicable diseases, chronic diseases) and examine ways to improve his/her health for the future.

PE142 CYCLING1

An introductory road cycling course. Emphasis will be placed on proper bicycle maintenance, riding technique, safety, and etiquette. The course is designed to provide students with an appreciation of cycling as a way to achieve personal health, fitness, or competitive goals. Mountain and cross bikes are welcome, but the majority of riding will be on pavement. This course can be physically demanding, but satisfying for those interested in improving their physical condition.

PE143 TOTAL FITNESS II1

This class is designed to bring about continued changes in the body as manifested by increased amounts of physical exercise. This course is physically demanding, but very satisfying for those interested in continuing to improve their physical condition. Prerequisite: Total Fitness.

***PE144 ARCHERY II.....1**

This class is designed for students interested in the sport of archery. This course is designed to teach the student more advanced archery skills and levels of competition.

Course Descriptions

PE146 CONCEPTS OF TEAM SPORTS.....3

This course is to provide learning experiences that will lead to the development of basic skills in team sports. In addition to skill acquisition, the course will focus on how to plan, implement, and explain the different sports/activities that are presented. An emphasis will be placed on the use of the game stages and movement framework as a guide for designing a variety of sport game experiences. Students will be expected to achieve an intermediate level of skill in the selected team sports. Practice outside of class time may be necessary for some students to achieve the expected performance level.

PE150 BASIC CARE AND PREVENTION OF ATHLETIC INJURIES I3

Is designed for students interested in the prevention and care of athletic injuries. Basic principles of all aspects of athletic training are covered. Through lectures on specific injuries and practical lab experiences, the student will learn how to recognize and care for common athletic injuries. This course is open to all students, it is a first semester requirement for students in the Athletic Training Program.

PE151 BASIC CARE AND PREVENTION OF ATHLETIC INJURIES II3

This course is designed for students interested in the evaluation, treatment, and rehabilitation of upper extremity athletic injuries. The anatomy involved in specific injuries that commonly occur in athletics and evaluation techniques will be emphasized. The use of therapeutics modalities and rehabilitation exercises for athletic injuries will be presented. Through lectures on specific injuries and practical lab experiences the student will learn about basic athletic training. This course is open to all students. This course is a second semester requirement for students in the Athletic Training program. Prerequisite: Basic Care & Prevention of Athletic Injuries I with passing grade or consent of instructor.

PE155 RECOGNITION & CARE OF ATHLETIC INJURIES..3

This course will acquaint the student with the first-response recognition, evaluation and treatment techniques for more than 110 sport related injuries and illnesses. It will cover treatment of injuries and illness, injury prevention, as well as cardiopulmonary resuscitation (CPR) for young adults. This course includes American Sport Education Program Sport First Aid Certification (K.S.H.S.A.A. - Level 2 certification).

PE156 PRINCIPLES OF STRENGTH & CONDITIONING2

This course is designed to provide students with the theoretical and practical knowledge of the physiological, biomechanical and administrative aspects of designing and supervising safe and effective strength and conditioning programs for youth through adult populations.

PE158 COACHING PRACTICUM3

This course is designed to provide students with the opportunity to observe and interact with coaches and athletes in an inter-scholastic, intercollegiate or youth/club sport. The students will be matched with a team and coach that will help enhance the understanding of the principles of coaching and season planning. Prerequisite: Theory of Coaching and Recognition & Care of Athletic Injuries or First Aid and Safety.

PE160 VARSITY SPORTS: BASEBALL.....1

A sport for baseball players. It begins the first day of classes for the fall semester and ends with the regional and national baseball tournaments in May. Baseball consists of skill development, intended to produce a competitive baseball team, in pitching, fielding and hitting skills.

PE161 VARSITY SPORTS: BASKETBALL1

A sport for basketball players. Practice begins the first of October and concludes in March. Preseason conditioning starts four weeks preceding regular practice. Players will practice six days a week and play approximately 30 regular season games.

PE162 VARSITY SPORTS: TRACK1

A sport for track and field athletes. Athletes are expected to participate in all practices and meets scheduled by the coach.

PE164 VARSITY SPORTS: SOCCER.....1

A sport for varsity soccer players. It begins two weeks prior to the fall semester and its conclusion coincides with the end of the spring semester. Soccer consists of a number of daily activities to include practice for skill and fitness development, study hall, and attendance checks all of which are designed to promote the success of the student athletes involved.

PE165 VARSITY SPORTS: SOFTBALL.....1

A sport for softball players, which includes Fall and Spring Semester participation. Softball consists of daily practices and a schedule of approximately 20 games in the Fall and 50 games in the Spring.

PE167 VARSITY SPORTS: CROSS COUNTRY1

A sport for distance runners. It begins in August or at the start of the Fall Semester and ends with the National Championship in November. Cross country consists of a variety of hill, road and track workouts to better develop the cardiovascular system.

PE168 VARSITY SPORTS: VOLLEYBALL1

This class is designed to bring about changes in the body as manifested by physical exercise. This course can be physically demanding, but very satisfying for those interested in improving their physical condition. Students will be informed on how to correctly play the game of volleyball, and will have numerous opportunities to play the game as well. Also students will be provided the opportunity to ask questions of the instructor training or competing.

Course Descriptions

PE173 MSF BASIC RIDER COURSE1

Those who choose to take a rider education course greatly reduce the likelihood and severity of being involved in a motorcycle accident. What you do before you start a trip goes a long way toward determining whether or not you'll get where you want to go safely - wearing the right gear, becoming familiar with the motorcycle, checking the motorcycle equipment, knowing the traffic laws, and being a responsible rider. This course covers all of the preparation work and provides on-the-bike instructional driving. The training is Motorcycle Safety Foundation (MSF) approved. Upon completion, participants will receive their MSF Safety Certificate as well as their Kansas DE-99.

PE180 MSF EXPERIENCED RIDER.....1

This course is for experienced riders who want to hone their skills and fine-tune the mental skills needed for survival in traffic. This course will cover protective gear, rider responsibility, motorcycle inspection and care, effects of alcohol and other drugs while riding, risk management, and lane changes. Riders will put into practice the techniques of managing traction, stopping quickly, cornering, and swerving.

PE185 VARSITY SPORTS: BASKETBALL II.....1

Students will comprehend and demonstrate the fundamental skills of shooting, passing, dribbling, and rebounding the basketball. Students will learn to analyze and demonstrate these skills within a competitive environment. This course is a continuation of Varsity Sports: Basketball.

PE220 COOPERATIVE EDUCATION INTERNSHIP 1-6

See CA220.

PE250 STRESS MANAGEMENT3

This course will study the mind-body relationship and the psychophysiology of stress including the relationship of the stress reaction to specific illnesses and disease. The course will cover an understanding of the basic principles of stress management through coping skills, the study of the mind-body relationship in stress management, cognitive reappraisal of daily life stressors, and techniques to deal with these stressors. The cognitive strategies and relaxation techniques are cornerstones for optimal health and can help one manage stressors in a healthful and productive manner.

* A lab fee will be assessed for these courses.

PHILOSOPHY

PH100 ▮ INTRODUCTION TO PHILOSOPHY3

Is a survey course designed to increase the student's understanding of their own ideas, the ideas of philosophers, and the ideas of their fellow students. Topics covered include: logic, epistemology, ethics, pragmatism, and existentialism.

PH101 ▮ INTRODUCTION TO CRITICAL THINKING3

Is designed to help students recognize inaccurate and fallacious reasoning and identify and practice good thinking. Students will apply the standards of good reasoning to traditional and contemporary ethical, social, economic and political problems.

PH105 ▮ CHRISTIAN ETHICS IN OUR CONTEMPORARY SOCIETY3

Traditional ethical theories are discussed, with reference to Plato, Aristotle, Bentham, Mill, Kant and John Rawls. The nature of ethics is clarified in terms of how science and philosophy differ in their approaches to moral behavior. Biblical ethics of both Old and New Testaments are examined and compared to traditional social and moral issues. Moral problems and social issues such as abortion, capital punishment, business practices, sexuality, world hunger, pornography and war are studied from various viewpoints.

PHOTOGRAPHY

***PT101 PHOTOGRAPHY I.....3**

Is a beginning course emphasizing types and basic construction of the camera, elements of good picture taking and the use of the darkroom. (Dual listed with art)

***PT102 PHOTOGRAPHY II.....3**

Is a continuation of Photography I with emphasis on picture taking and darkroom procedure. Prerequisite: Photography I or permission by instructor. (Dual listed with art)

PT103 INTRODUCTION TO DIGITAL PHOTOGRAPHY3

Introduction to Digital Photography is a course of study to develop an understanding of basic photographic techniques and computer assisted image manipulation. This course will include, but not limited to, the following topics; basic camera functions, basic digital image processing, visualization and design skills, and digital manipulation techniques needed in today's market place. Students will have opportunities to create portfolio pieces. (Dual listed with Art)

PT229 ADVANCED DIGITAL IMAGING.....3

Advanced work in Digital Photography to develop an understanding of advanced photographic techniques and computer assisted image manipulation. This course will include, but not be limited to, the following topics; advanced camera functions, advanced digital image processing, visualization and design skills, and digital manipulation techniques needed in today's market place. Students will have opportunities to create portfolio pieces.

* A lab fee will be assessed for these courses.

RELIGION

RE102 CONTEMPORARY CHRISTIAN THOUGHT2

Is directed to the innovators of contemporary religious thinking, the secularizers and to the existentialists movements. Such

Course Descriptions

theologians as Barth, Niebuhr, Brunner, Bonhoeffer, Chadin, Kierkegaard, Marcel, Bullman, Bubet and others are considered. The newsworthy theological opinion-makers are presented.

RE103 RELIGION IN CONTEMPORARY AMERICA.....3

Is an analysis of current American religious bodies in contemporary history. Consideration of both the more traditional bodies and the more recent arrivals will be evaluated. This course, as an analysis of current American religious denominations and the social and political dynamics that they have made on American society. We will use the time frames of the decades of 1955-64, 1965-84, and 1985-94. Consideration will be given to the more traditional denominational bodies along with nontraditional that have become a part of the religious scene in America in recent history.

RE104 WORLD RELIGIONS.....3

Discusses religions of mankind set in historical perspective. The course will focus upon the basic teachings of each of the major religions of the world, their founders, geographic distribution and importance in the theological world.

SCIENCE

***SC100 SURVEY OF SCIENCE3**

This course is intended to familiarize the student with the methods of scientific discovery and investigation. Students will study phenomena in a variety of scientific fields to become familiar with the scientific process used for explaining phenomena. Students will also become aware of the effects of science on nature and society.

***SC101 GENERAL BIOLOGY +4**

Engages the non-biology major in explorations of the unity and diversity of organisms with particular attention devoted to the commonalities. Students are involved in various investigative simulations and extended laboratory activities. Study begins with the chemical foundation of life and culminates with interactions between organisms and environment. This course combines three hours lecture and one and one-half hours of laboratory time.

***SC103 PHYSICAL SCIENCE +5**

Is a study of man's physical world emphasizing fundamental universal laws and their implications in modern living through observations and analysis of sensible data. This study may include (but is not limited to) topics in the following areas: astronomy, chemistry, geology, meteorology, and physics. This course combines three hours of lecture and three hours of laboratory time. Prerequisite: Intermediate Algebra with a C or better or appropriate Accuplacer/ACT scores.

***SC104 GEOLOGY +4**

This course provides a study of the basic landforms and geological processes. Topics include Earth structure and composition, erosional and depositional processes, minerals and rocks, stream flow,

glaciation, plate tectonics, and groundwater. This course includes three hours lecture and one and one-half hours lab per week.

***SC105 GENERAL ASTRONOMY +4**

This course is an introduction to space science designed to acquaint students with the history of astronomy, the universe, the solar system, the Sun and other stars, the evolution and properties of celestial bodies, and astronomical phenomena. This course includes three hours lecture and one and one-half hours lab per week.

***SC107 METEOROLOGY +4**

This course introduces the nature, origin, processes, and dynamics of the Earth's atmospheric environment. Content will focus on: (1) weather systems and processes, (2) seasonal trends, (3) atmospheric circulation, pressure, and moisture, (4) storm development, (5) air pollution, and (6) anthropogenic influences on weather and climate. This course includes three hours lecture and one and one-half hours lab per week.

***SC109 APPLIED PHYSICS5**

The applied physics course is designed to teach the basic concepts of physics, while applying them to practical situations and situations pertaining to wind energy and wind energy generation. Students will use a hands-on approach to study the concepts of force, work, rate, resistance and energy as related to mechanical, fluid, electrical, and thermal systems. Prerequisite: Intermediate Algebra with a C or better or appropriate ACT/Accuplacer scores.

***SC110 PRINCIPLES OF BIOLOGY I +5**

Engages students in explorations of unity and diversity among and between kingdoms. Study begins with the chemical foundation of life and culminates in interactions between organisms and environment. This course combines three hours of lecture and three hours of laboratory time. You will be involved in various group and independent investigations.

SC111 MICROBIOLOGY LECTURE.....3

Is a study of microorganisms with emphasis on bacteria including fundamentals of their morphology, physiology, genetics and relationship to health and disease. (This is a lecture only class. No lab is included. Students wishing to take Microbiology Lab will also need to enroll in SC112.) Prerequisite: General Biology with a C or better or a higher level biological science.

***SC112 MICROBIOLOGY LAB +2**

Is an extended weekly time period during which students are given the opportunity to demonstrate via specific laboratory procedures, principles of microbial structure, function, and the relationship of microbes to health and disease. Prerequisite: Microbiology Lecture (SC111) or concurrent enrollment.

***SC115 GEOLOGY LAB +1**

This lab is intended as a hands-on approach to learning Earth materials and geological processes. Experiments will include: (1) using the scientific method and science tools to interpret geologic

Course Descriptions

data, (2) examining the cause and effects of geologic hazards, (3) identifying rocks and minerals, (4) simulating stream and coastal processes, (5) assessing groundwater pollution, (6) analyzing geologic maps, and (7) interpreting the geologic history of the Great Plains. Prerequisite: approval from instructor

***SC116 METEOROLOGY LAB +1**

This lab is a hands-on study of atmospheric processes. Students will apply the scientific method to learn the reason for seasons and the causes of precipitation, weather hazards (tornadoes and hurricanes), atmospheric phenomena (mirages, halos, and rainbows), air pollution, and climate change. Prerequisite: approval from instructor.

***SC117 GENERAL BIOLOGY LAB +1**

This is a laboratory class that is an opportunity for an extended weekly time period during which students are given the opportunity to demonstrate via specific laboratory procedures, principles of scientific method, cellular biology, enzymatic functions, diversity, evolution, and ecology. Prerequisite: approval from instructor.

***SC120 HUMAN ANATOMY & PHYSIOLOGY I +4**

Is an introduction to the basic concepts of biochemistry, cytology, histology, and cellular physiology that relate to all tissues, organs and organ systems of the human body. This will include the following organ systems: integumentary, skeletal, muscular, and neural. Three hours of lecture and one and one-half hours of laboratory work per week are required.

***SC121 HUMAN ANATOMY & PHYSIOLOGY II +4**

Is a continuation of topics introduced in Human Anatomy and Physiology I as related to the following organ systems: cardiovascular, respiratory, gastrointestinal, excretory, endocrine, and reproductive. Three hours of lecture and one and one-half hours of laboratory work per week are required. Prerequisite: Completion of or concurrent enrollment in Human Anatomy and Physiology I.

***SC125 HUMAN BODY DISSECTION +1**

Is designed to give the more advanced student an opportunity for hands-on dissection experience with a human cadaver. Prerequisite: Completion of or concurrent enrollment in Human Anatomy & Physiology I.

***SC126 ANATOMY AND PHYSIOLOGY +5**

Anatomy and Physiology is an introduction to the basic concepts of biochemistry, cytology, histology, and cellular physiology that relate to all tissues, organs and organ systems of the human body. It will include the following organ systems: integumentary, skeletal, muscular, neural, senses, endocrine, circulatory, respiratory, urinary, digestive, and reproductive. Four hours of lecture and one and one half hours of laboratory work per week are required.

***SC128 PATHOPHYSIOLOGY +4**

Focuses on pathophysiologic concepts related to the functional and structural changes that accompany disease processes and the application of basic concepts to body systems and selected disease processes. Etiologies, signs, symptoms, courses, and complications of common diseases of the following organ systems are included: neurologic, endocrine, reproductive, hematologic, cardiovascular, lymphatic, pulmonary, renal and urologic, digestive, musculoskeletal, and integumentary. Prerequisite: SC126 Anatomy and Physiology or SC120 Human Anatomy and Physiology I and SC121 Human Anatomy and Physiology II.

***SC129 INTRODUCTION TO CHEMISTRY1**

Engages the student in an overview of chemical concepts related to content in the biological sciences. Particular attention is devoted to chemical structure, chemical interactions and the chemical composition of cells as students acquire a fundamental understanding of the chemical foundation of life.

***SC130 GENERAL CHEMISTRY +5**

Is an introductory course that assumes no previous experience with chemistry. The course includes a basic overview of inorganic, organic and biochemistry. Extended laboratory periods are required. Prerequisite: Elementary Algebra with a "C" or better or an appropriate ACT/Accuplacer math score.

***SC131 CHEMISTRY I +5**

Is an introductory course designed for engineering, allied health and science majors. Fundamental laws of chemistry, atomic theory and structure, chemical calculations, chemical bonding, gases and the kinetic molecular theory, chemical kinetics, acids, bases, and salts are covered in this course. Extended laboratory periods are required. Prerequisite: Intermediate Algebra with a "C" or better or appropriate ACT/Accuplacer scores.

***SC132 CHEMISTRY II +5**

This course will focus on the following topics: properties of solids and solutions, chemical kinetics, chemical equilibrium and applications, acids and bases, spontaneity, entropy, and free energy, thermochemistry, and an overview of organic and biochemistry. Prerequisite: Chemistry I with a C or better.

***SC134 ORGANIC CHEMISTRY I +5**

Is a study of the general principles of organic chemistry with emphasis on the major types of aliphatic compounds; and introduction to aromatic compounds; spectroscopy and certain biochemically important compounds. This course is designed to meet the needs of students requiring either one semester of organic chemistry or the two semester sequence. Prerequisite: Chemistry I and Chemistry II with a C or better.

Course Descriptions

***SC135 ORGANIC CHEMISTRY II +5**

Will be a continuation of Organic Chemistry I. Areas of study will include organic reactions, reaction-specific reagents, mechanisms for reactions, a continued look at functional groups and their nomenclature, and an introduction to biochemical molecules. Concepts learned in the classroom will be applied in the laboratory. Prerequisite: Organic Chemistry I with a C or better.

SC137 NATURAL HAZARDS AND DISASTERS3

This course will examine the physical mechanisms that create natural hazards and disasters, explore the geographic distribution of disasters around the globe, and address how humans mitigate against and respond to them. Topics to be covered include tornadoes, earthquakes, tsunamis, volcanoes, floods, hurricanes, heat waves, and droughts, as well as some lesser-known and larger scale phenomena such as the El Nino/La Nina cycle, meteorite impacts, and global climate change.

***SC138 NATURAL HAZARDS AND DISASTERS LAB +1**

This lab will examine the physical mechanisms that create natural hazards and disasters, explore the geographic distribution of disasters around the globe, and address how humans mitigate against and respond to them. Topics to be covered include tornadoes, earthquakes, tsunamis, volcanoes, floods, hurricanes, heat waves, and droughts, as well as some lesser-known and larger scale phenomena such as El Nino/La Nina cycle, meteorite impacts, and global climate change.

***SC140 COLLEGE PHYSICS I +5**

Is an introductory course covering the general topics of mechanics, static, and dynamic forces, energy, momentum and simple harmonic motion. Depending on the time and level of class preparation other material may be covered during the first semester, particularly heat and thermodynamics. College Physics I is recommended for majors in science and allied health. Laboratory periods that are extended beyond the lab/lecture time may be required as this course combines three hours lecture and three hours of laboratory time. Prerequisite: College Algebra and College Trigonometry with a "C" or better or appropriate ACT/Accuplacer scores.

***SC141 COLLEGE PHYSICS II +5**

Is the second half of introductory physics covering the general topics of heat, sound, electricity, light, and modern physics. College Physics II is recommended for majors in science and allied health. Laboratory periods that are extended beyond the lab/lecture time may be required as this course combines three hours lecture and three hours of laboratory time. Prerequisite: College Physics I with a C or better.

***SC142 UNIVERSITY PHYSICS I +5**

Is an introductory course covering the general topics of mechanics and heat and is recommended for majors in science and engineering. Extended laboratory are required as this course combines three hours of lecture and three hours of laboratory time. Co-requisite: Analytic Geometry and Calculus I.

***SC143 UNIVERSITY PHYSICS II +5**

Is the second half of introductory physics covering the general topics of sound, electricity, light, and modern physics. University Physics II is recommended for majors in science and engineering. Laboratory periods that are extended beyond the lab/lecture time may be required as this course combines three hours of lecture and three hours of laboratory time. Prerequisite: University Physics I with a "C" or better.

SC146 ENVIRONMENTAL SCIENCE AND CONSERVATION3

An interdisciplinary study from the perspective of Environmental Science. This course will examine the use of natural resources across the planet, with emphases on conservation, resource management, and significant human impacts on natural systems. Major topics covered include an introduction to Earth systems science and environmental science; agriculture, soils, biotechnology, and the production of food; the atmosphere, pollution, and climate change; the hydrosphere, water quality, and aquaculture; biodiversity, ecosystems and environmental ecology; natural resource extraction, the production of energy; and sustainable solutions. Special attention will be given to analyzing these topics in light of current events and governmental policy at the local, state, and federal levels.

***SC147 ENVIRONMENTAL SCIENCE AND CONSERVATION LAB +1**

An interdisciplinary study from the perspective of Environmental Science. This course will examine the use of natural resources across the planet, with emphases on conservation, resource management, and significant human impacts on natural systems. Major topics covered include an introduction to Earth systems science and environmental science; agriculture, soils, biotechnology, and the production of food; the atmosphere, pollution, and climate change; the hydrosphere, water quality, and aquaculture; biodiversity, ecosystems and environmental ecology; natural resource extraction, the production of energy; sustainable solutions. Lab work will consist of observation and demonstration, experimentation with such materials as soil, water quality testing kits, and lab report writing; topics as described above.

SC151 PRINCIPLES OF BIOLOGY II +5

A combined lecture and laboratory course for student planning to choose majors of biological sciences and take additional courses in biology. This course introduces basic plant and animal morphology and physiology, organismal diversity, population biology and

Course Descriptions

genetics, and principles of evolution, and ecology. Three hours of lecture and three hours of laboratory per week. This course is equivalent to Biology for Majors II approved by the Kansas Core Outcomes Project group meeting.

SC199 GENERAL ZOOLOGY +4

In this class, students are given the opportunity to demonstrate an understanding of each Phyla of the Kingdom Animalia. Students must determine characteristics of the Phyla based on morphological, reproductive, behavioral, and ecological differences enhancing an understanding of the diversity of species in the animal kingdom. Students will have to understand the classification system and utilize taxonomy to differentiate organisms. In the laboratory, light microscopy and dissection will be utilized to determine structural and morphological characteristics in conjunction with an ability for identification. Three hours of lecture and one and one-half hours of laboratory work per week are required. Prerequisite: Principles of Biology.

SC220 COOPERATIVE EDUCATION INTERNSHIP 1-6
See CA220.

* A lab fee will be assessed for these courses.
+ These courses are considered lab courses.

SOCIAL SCIENCE

SS099 PERSONAL ASSESSMENT AND PLANNING1

Allows students to assess their skills, aptitudes, interests, and values. It helps students: 1) determine what obstacles are interfering with their learning, 2) devise a plan to overcome these obstacles, and 3) gain the self-confidence and self-determination necessary for college success. All full-time students with academic probation status are required to enroll in this course. Students may not drop or withdraw from this course without prior approval from the Vice-President of Academic Affairs.

SS100 COLLEGE SKILLS AND RESOURCES1

Familiarizes incoming Cloud students with the campus, its facilities, procedures and regulations. Students are assisted in 1) defining their educational goals, 2) identifying courses and experiences that can help fulfill their goals and 3) accessing the support services necessary to achieve their goals. Required for first-time college students enrolled in nine or more credit hours.

SS101 GENERAL PSYCHOLOGY3

A survey of methods, facts, and principles relating to basic psychological processes. Major topic areas include neural bases of behavior, learning and motivation, psychosocial development and abnormal psychology, human cognition, cognitive development, individual differences and social psychology. The classroom lab activities provide experience with methods of research and data collection.

SS102 ABNORMAL PSYCHOLOGY3

Presents an overview of deviant behavior study, the concept of differential diagnosis categories of deviant behavior, an overview of the major theoretical models explaining deviant behavior and a discussion of major psychological and psychiatric models for treating and modifying deviant behavior.

SS103 SOCIAL PSYCHOLOGY3

Is an introduction to the discipline that utilizes the scientific method to attempt to understand and explain how the individual's behavior, thoughts, and feelings are influenced by the actual, imagined or implied presence of others. Analysis of the self, culture and gender will be given special emphasis in regard to their direct and indirect influence upon human behavior.

SS105 HUMAN GROWTH AND DEVELOPMENT3

This course is a study of the self and steps which lead to psychological maturity. The class will include an analysis of our culture in relationship to the needs for personal growth and will study the individual from conception through death. The course will cover physical, mental, and cultural needs for a rich and satisfying life.

SS106 MARRIAGE AND FAMILY3

Is a study of mate selection, marriage, and the family from the psychological, sociological, biological, and developmental points of view. Included are the relationship of values to marriage, sex roles, dating and engagement, family planning, parenthood, family economics, communication and marital growth and fulfillment, and death in the family.

SS107 HUMAN SEXUALITY3

Is an introductory course focusing on the biological, psychological, social and legal aspects of human sexuality with the major emphasis on the development of wholesome attitudes toward the masculine and/or feminine elements of one's unique development.

SS108 WOMEN IN AMERICAN SOCIETY3

Will explore the many facets of women in American society and the impact on relationships and family, both from historical and contemporary perspectives. Students will be offered a cross section of available information from a liberal arts perspective, including literature, psychology, history, political science, and social philosophy.

SS113 HUMAN RELATIONS3

Is an experience-oriented class which is designed to assist persons to focus upon themselves and others. Utilizing group interaction and discussion, emphasis is placed upon the development of listening and communication skills, conflict management, personal and interpersonal awareness, goal setting, and effective time management.

SS120 WESTERN CIVILIZATION I3

Is a survey course designed to expand the student's ability to understand selected themes in the history of Ancient Southwest

Course Descriptions

Asia, Ancient Greece, Ancient Rome, Europe during the middle ages, the renaissance, reformation, and early modern statehood.

SS121 ▸ WESTERN CIVILIZATION II.....3

Is a continuation to Western Civilization I starting with 17th century Europe and surveying the pattern of Western history to the present day. Modern Europe is emphasized with consideration given to the various ideologies and beliefs that have shaped the 20th century European society.

SS122 ▸ U.S. HISTORY I3

Is a survey of American History from its European background through the time of the Civil War. The political, economic and social growth of our country is emphasized.

SS123 ▸ U.S. HISTORY II3

Is a survey of American History from Reconstruction to the present. The intellectual, political, economic, and social growth of our country is emphasized.

SS124 INTRODUCTION TO HISTORY.....3

Covers what history is, how it is produced, and what its functions are. Designed for students who want an introductory course which explains the methodology and purposes of the discipline.

SS125 ▸ INTRODUCTION TO CULTURAL ANTHROPOLOGY3

Is designed to introduce students to the extraordinary diversity of human cultures. This variation is viewed as a reflection of each society's continuing need to adapt successfully to local, social and environmental conditions. While the course focuses chiefly upon primitive and nonindustrialized societies today (i.e., those living in the "ethnographic present"), past cultures are also surveyed from the perspectives of physical anthropology and archaeology.

SS127 ▸ CHILD PSYCHOLOGY.....3

Child psychology is designed to cover the developmental aspects of physical, neurological, cognitive, psychosocial and personality development of the child from conception through adolescence. Research methods and genetic, behavioral and environmental theory will be included. This course will explore current impacts on behavior and development.

SS129 INTRODUCTION TO SOCIAL WORK3

This course aims to assist students gain knowledge about the nature of social work practice including its values, ethics, roles and activities; understand some of the differences between conventional and progressive approaches to social work; understand more about themselves in regard to social work; and gain familiarity with the work done by social workers in the community and the world.

SS130 ▸ INTRODUCTION TO SOCIOLOGY.....3

Is designed as an introduction to the study of the structure and

function of human groups, particularly those which occur in contemporary industrialized cultures. The relationships between the individual and his society, culture and society, and the social dynamics of institutions are investigated.

SS140 ▸ U.S. GOVERNMENT: NATIONAL3

Is an introduction to the structure and function of the United States Government and the political behavior of the American people.

SS141 U.S. GOVERNMENT: STATE AND LOCAL3

Is a study of the structure and function of state and local governments with special attention given to the governments in Kansas.

SS142 CURRENT POLITICAL ISSUES.....3

An introduction to contemporary political issues and the problems that concern American society. This course will look at current events that are shaping current political policy at the local, state and national levels.

SS150 INTRODUCTION TO INTERNATIONAL RELATIONS.....3

This course focuses on concepts and patterns of political behavior within societies, and the reasons behind these patterns. The aim of this course is to furnish students with the intellectual tools to understand the future, as well as current events in their society and around the globe.

SS201 SOCIAL PROBLEMS.....3

This course involves the application of sociological concepts and principles to the description and critical analysis of major social problems of modern societies. A founding assumption to this course is that it is crucial for people to be able to subject their own society to scrutiny in order to arrive at intelligent assessments of particular social problems. It is equally important that people understand the general patterns of societal development that often cause or aggravate these problems. Within this framework, this course will examine various problems including those of wealth and poverty, class stratification, race and ethnicity, crime and deviance, gender, and problems of our consumer society.

SS220 COOPERATIVE EDUCATION INTERNSHIP 1-6
See CA220.

* A lab fee will be assessed for these courses.

UNMANNED AIRCRAFT SYSTEMS

***UA100 INTRODUCTION TO UAV'S.....3**

This course is an introduction to Unmanned Aerial Systems. It will cover the safety requirements to operate in the National Air Space in the United States. It will also evaluate the role of the

Course Descriptions

FAA and local laws which govern the operation of UAV's. Other organizations which work to keep citizens and operators safe and efficient in their operation of UAV's will also be introduced. Through the course, the different types of drones and applications in today's world will be explored.

***UA201 SUAS COMMAND, CONTROL, & COMMUNICATIONS.....3**

Command, Control, and Communications will be covered as it relates to the team operation of a UAS. Students will learn the various types of systems and controls required to operate a UAV in the National Air Space. They will learn the devices needed and the reliability of the differing technologies for safe and effective flight. Both hardware components and software control solutions will be covered.

***UA210 SUAS SYSTEMS AND CONCEPTUAL DESIGN3**

This course will introduce the components required for remote controlled flight by a multi-rotor vehicle. Within the course the structural pieces of the UAV will be constructed by 3D printer techniques and all components which cannot be printed will be added to the design with a finished flying UAV by the end of the course. Through this process students will learn the various laws of physics and construction and repair techniques to create an air-worthy multi-copter.

WIND ENERGY

***WE100 INTRODUCTION TO WIND ENERGY.....3**

Students will be exposed to the many facets of the wind industry. This course will cover basic principles of wind energy conversion. The wind industry world wide is growing faster than any other energy source. Class topics will not only cover the mechanical, technical, and electrical aspects of wind energy but also environmental, social, political and economic aspects of wind energy.

***WE102 ENERGY INDUSTRY FUNDAMENTALS3**

Energy Industry Fundamentals provides a broad understanding of the electric and natural gas utility industry and the energy generation, transmission, and distribution infrastructure, commonly called the "largest machine in the world," which forms the backbone for the industry. The course includes business models, regulations, types of energy and their conversion to useable energy such as electric power, how generated power is transmitted and distributed to the point of use, emerging technologies, and the connection to careers in the energy industry.

***WE105 EMPLOYABILITY SKILLS, SAFETY, BLUEPRINT READING.....3**

A course designed specifically for the wind energy students. Each of the course's topics will be presented for approximately a third of the semester. Employability Skills will provide the student with

lifelong career planning skills and employability skills necessary to secure a career in the wind industry. Safety will cover the necessary topics of OSHA safety training in the electrical industry. Blueprint Reading will provide the student with communication skills in the areas of reading blueprints for development, construction, operation, maintenance, and electrical power systems.

***WE110 ELECTRICAL THEORY3**

Students will be exposed to many facets of electrical energy. This course will cover basic electrical circuit information such as voltage, current, resistance, series circuits, parallel circuits, combination circuits, conductors, insulators, electrical power, sources of electrical energy, magnetism, meters, AC/DC current, and other topics that are appropriate.

***WE120 HYDRAULICS.....3**

Hydraulics is a study dealing with the mechanical properties of liquids. Hydraulic topics cover concepts such as hydraulic pumps, actuators, accumulators, cylinders, control valves, check valves, flow control valves, directional control valves, pressure control valves, motors, filters, coolers, and reservoirs.

***WE130 WIND PUBLIC/LANDOWNER RELATIONS3**

Educating the public and/or landowners on the advantages and disadvantages of wind energy is a necessary step in the development of a wind project. Information on economic and environmental issues will be necessary from the initial development period to the completion of the wind project. Students will learn how to answer the Myth vs. Fact questions concerning wind farm development. Procedures for obtaining the proper permits and access rights to enter property to assess the wind resource will be addressed. Additionally, students will learn about setback constraints, archaeological restrictions, aviation obstruction marking requirements, and other organizational and governmental regulations affecting wind power project development.

***WE150 MECHANICAL SYSTEMS3**

Mechanical Systems will expose the wind energy students to the installation, use, maintenance, and troubleshooting of mechanical drive components. This course will cover basic principles of wind energy mechanical systems with practical hands-on tasks which will be encountered in the wind industry.

***WE202 ELECTRICAL POWER DELIVERY3**

This course will cover the entire scope of electric power delivery from generation to transmission and distribution to electrical loads. Students will learn about the generation systems that convert resources into electrical power. Underground and overhead transmission cables, distribution lines, and substations will be studied. The students will also learn about the interconnection of electrical energy into the electrical grid, and how it is distributed throughout the grid to electrical loads. General transformer function and operation will be discussed, as well as protective relaying

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and circuit breaker types. A combination of site visits to operating generation plants, substations, and electric utility companies will reinforce the classroom material.

***WE205 WIND BUSINESS3**

Wind Business is designed to learn about topics in business as they apply to the wind industry. Students will become familiar with different manufacturers of wind turbines, warranties, and service agreements. Knowledge of the supply and demand of wind equipment is necessary when developing a wind project. Students will learn about dispatchable and non-dispatchable resources, why curtailment is sometimes necessary, and capacity factor. Information related to the construction process of a wind farm will be included in this course.

***WE210 ELECTRONICS3**

The study of the flow of charge through various electrical devices and the transmission of power and information. This course will cover principles of the electronics fields which will be necessary to understand how electronic components are used to make complex electrical systems. These electrical systems are the backbone of the electrical energy industry. Prerequisite: Electrical Theory with a C or better. Students must be admitted to the Wind Energy Technology Program to enroll in this course.

***WE215 ELECTRICAL SYSTEM PROTECTION AND COORDINATION.....3**

Students will learn how circuit breakers and fuses are employed to ensure optimal system protection from system faults and overload conditions. Proper installation and operation of switching mechanisms, fuses, and single-phase and three-phase circuit breakers and reclosers will be covered through lecture and hands-on experience. Protective relaying, sectionalizing, and remote monitoring and control through SCADA systems will also be covered. Students must be admitted to the Wind Energy Technology Program to enroll in this course.

WE220 COOPERATIVE EDUCATION INTERNSHIP 1-6

See CA220. Students must be admitted to the Wind Energy Technology Program to enroll in this course.

***WE225 MOTORS, GENERATORS, PLCS3**

Provides students with the basic understanding of the principles of motors, generators, motor controls, and programmable logic controllers (PLCs). Both electromechanical and solid state electronic control devices are covered in this course. Students must be admitted to the Wind Energy Technology Program to enroll in this course.

***WE227 PLCs (PROGRAMMABLE LOGIC CONTROLLERS).....3**

The PLC course will provide a broad-based understanding of important PLC principals and concepts. You will understand how to connect to PLC hardware, create ladder logic programs, explore applications of PLC controls, and see how they function in various control systems. You will also study various programming

conventions, as well as practical issues about automation controls and components. Students must be admitted to the Wind Energy Technology Program to enroll in this course.

***WE230 SUBSTATION & VOLTAGE REGULATION.....3**

A study of substations, capacitors, voltage regulators, boost and buck boosters; practical experience in substation grounding, inspections, substation maintenance; operation and installation of high side fuses, power transformers, substation buswork, and transfer switches; methods of voltage regulation, and Supervisory Control and Data Acquisition (SCADA). Students must be admitted to the Wind Energy Technology Program to enroll in this course.

***WE240 GIS/GPS.....3**

The GIS/GPS course is designed to provide a basic working knowledge of Geographical Information Systems and Global Positioning Systems as they relate to the operation of small UAVs. Upon completion of this course, the student will understand the timeline of development for GIS, GPS, and UAVs. The student will be able to demonstrate necessary software configuration, operation and maintenance of a UAV for purposes of aerial imaging. The course will be taught with the intent of expanding one's ability to complete inspection of wind turbine blades, power lines and substations, agricultural surveys and the integration of sports and event photography.

***WE250 DATA ACQUISITION AND COMMUNICATIONS ..3**

This course will give students information on how resource data is collected and analyzed for the use in the generation of electricity. Analog-to-digital data conversion will be studied, as well as instrument calibration. Students will also learn how data is communicated to assess power production of generation systems. The function of Supervisory Control and Data Acquisition (SCADA) systems will be discussed in detail. Students must be admitted to the Wind Energy Technology Program to enroll in this course.

***WE255 AIRFOILS AND COMPOSITE REPAIR.....3**

Students will be exposed to many facets of composites to build concrete foundations and blades on a wind turbine. This course will cover basic principles of the wind turbine blade design, blade composition, and base construction. The airfoils portion of this class will cover the aero-dynamic basics of the wind turbine blades using the wind to convert one form of energy to another. Composite materials will be studied as they are used in the manufacturing processes of wind turbine components.

***WE257 APPLIED AIRFOILS3**

Applied Airfoil students will be exposed to many facets of wind turbine blades from the wind turbine industry. Reliability of wind turbines is directly related to the quality and service of the rotor and blades. Documentation of defects from manufacturing as well as current stress is vital to determining blade length of service

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and projected maintenance schedules. This course will cover fundamental principles of mold construction, blade construction, quality control, inspection, and materials used for wind turbine blades.

***WE260 WIND TURBINE SITING.....3**
Students will be exposed to many facets of the proper placement (siting) of individual wind turbines as well as wind farms. This course will cover basic principles of how to find the best site and if it is suitable for wind energy. Class topics will cover the physical restrictions, institutional restrictions, wind turbine noise, placement near the grid, spacing of turbines, social aspects of wind turbines, and environmental issues associated with wind turbines.

***WE262 BLADE REPAIR OPERATIONS.....4**
Blade Repair Operations will introduce the students to industry standards of safety, operation, and maintenance of wind turbines and project operations. Students will be trained on the proper techniques and safety to gain access to the blades of a wind turbine for inspection and repair procedures. Specific training on suspended access equipment will allow student to safely inspect/repair wind turbine blades. Safety is at the heart of everything we do in this training program. Students will also understand the concept of day to day operations of a blade repair technician. Students will become familiar with the tools and equipment used and learn the value of teamwork as it applies to operations and repair of wind turbine blades. Students must be admitted to the Wind Energy Technology Program to enroll in this course.

***WE265 FIELD TRAINING & PROJECT OPERATIONS.....5**
This course will introduce students to industry standards of safety, operation and maintenance of wind turbines and project operations. Students will also benefit from field trips to operational projects to gain perspective of day to day operations of a wind turbine generation facility. Students must be admitted to the Wind Energy Technology Program to enroll in this course.

***WE270 TRANSFORMER THEORY.....3**
A transformer is a device used to transform (change) electrical power from one circuit to another. This course will cover the basics of magnetism, induction, windings, turns ratios, step-up transformers, step-down transformers, efficiencies, power transmission, single-phase power, three-phase power, delta windings, wye windings, and other transformer topics. Students must be admitted to the Wind Energy Technology Program to enroll in this course.

***WE280 WIND ENERGY TECHNOLOGY INTERNSHIP.....4**
The CCCC WET Internship program allows students to gain real world experiences with a wind energy or electrical related industrial company. Internships provide a bridge between classroom learning and full-time employment. Students work as a team with other competent employees who help guide the students to develop job skill sets necessary for employment in the area of electrical generation and distribution. An internship enables students

to experience valuable work experience to help make future career choices.

*** A lab fee will be assessed for these courses.**

▶ The courses noted with this symbol qualify for guaranteed transfer. Visit www.kansasregents.org/transfer_articulation for more information.

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