



The College Now Department at FRCC is proud to offer concurrent enrollment opportunities to Poudre School District high school students. Concurrent enrollment allows students to earn both high school and college credit for FRCC courses, at no tuition cost to the student. All courses are college-level and students are expected to meet college-level expectations and course prerequisites. Students may be responsible for the cost of textbooks, fees, and/or course materials.

FRCC College Now allows students to experience college courses that fall in line with their Individual Career and Academic Plans (ICAPs) while still in high school. Whether exploring career and technical fields or taking general education or transfer courses, FRCC College Now can help you get a jump start on your future!

Many FRCC courses are guaranteed to transfer to all public institutions of higher learning in Colorado. Visit [www.frontrange.edu/guaranteedtransfer](http://www.frontrange.edu/guaranteedtransfer) for more info about the Colorado guaranteed transfer program. All FRCC courses can apply toward FRCC certificate and degree programs. Visit [www.frontrange.edu/Academics/College-Catalog/](http://www.frontrange.edu/Academics/College-Catalog/) for more info on certificates and degrees.

**Interested?!** Talk to your high school counselor today for more information about the application and enrollment process.

**CAREER PATHWAYS PROGRAM, FALL 2015- SPRING 2016**



Come to the FRCC campus to explore one of eight different career areas! Prepare yourself with the knowledge and skills employers are seeking!

- Take classes with high school students from the Poudre and Thompson School Districts.
- This program emphasizes hands-on learning (field trips, labs, projects, job shadows, community service, and/or internships) in addition to traditional classroom activities.
- Most programs are held on campus at FRCC (exceptions noted).
- Bus transportation is provided, but students are responsible for transportation when class is held off-site.
- Schedule: This is a year-long program. Classes are held every day, Monday – Friday. Counselors select the morning section (8am-10am) or afternoon section (12:30pm-2:30pm) based on your home high school schedule.
- A student participation fee is required in all programs.
- All programs offer *optional* college credit for students looking to continue into FRCC certificate and degree programs—check with your counselor for more information about enrollment requirements.
- Recommended preparation: 1) history of good attendance 2) history of turning in assignments 3) willingness to participate in all assignments and activities 4) willingness to seek help and communicate with faculty.

**Animal Technology & Research**

Do you love animals? Would you like to explore careers in veterinary medicine or other animal-related fields? During this program, students will learn fundamental skills in the handling and health care of common animal species, including dogs, cats, horses, cattle, and many more. Students will study the biology, anatomy, and physiology of different species and learn laboratory and clinical procedures to diagnose and treat common health problems. This program is made up of lecture, classroom activities, field trips, on- and off-campus lab experiences, guest speakers, research projects, job shadows and the opportunity to earn placement in an internship.

High School Credit:

All students earn elective high school credit for participation in this program. Check with your high school counselor for more information.

FRCC College Credit:

Students can earn *optional* FRCC college credit through our concurrent enrollment option. Check with your high school counselor for more information about enrollment requirements. All college courses apply towards the **FRCC Veterinary Technician Assistant Certificate**. Students who wish to complete the certificate and sit for the national exam must have completed BIO 105 (Science of Biology) or BIO 111 (General College Biology I with Lab) with a “C” or better prior to the beginning of the spring semester. See your counselor to complete the biology course requirement through our Campus Select or High School Select Program.

FRCC Course	Semester	Testing Requirements, Course Prerequisites	Total Credits
VET 120 - Office Procedures & Relations (2 credits)	Fall	None	Fall: 5 credits
VET 103 - Veterinary Assistant Restraint & Handling (2 credits)	Fall	None	
HPR 178 – Seminar: Medical Terminology (1 credit)	Fall	None	
VET 113 - Veterinary Assistant Surgical & Nursing Care (3 credits)	Spring	BIO 105 or BIO 111	Spring: 8 credits
VET 114 - Vet Assistant Lab & Clinical Procedures (3 credits)	Spring	BIO 105 or BIO 111	
VET 183 – Internship: Private Practice (2 credits)	Spring	BIO 105 or BIO 111	
			<b>Total: 13 credits</b>

**Automotive Technology & Service**

Do you like cars? Whether you want to become a professional automotive service technician or are just interested in how vehicles operate, this program is a great place for hands-on training in the automotive field! Topics explored include electrical, ignition, and fuel systems, engines, starting and charging, brakes, suspension and steering, tires, and transmissions. This program is made up of a mix of lecture, classroom activities, hands-on training in the automotive shop, mock-up units, and guest speaker, and field trips. Students spend one semester “under the car” and another semester “under the hood,” with a different instructor each semester.

High School Credit:

All students earn elective high school credit for participation in this program. Check with your counselor for more information.

FRCC College Credit:

Students can earn *optional* FRCC college credit through our concurrent enrollment option. Check with your counselor for more information about enrollment requirements. Students can complete the **FRCC General Automotive Repair & Maintenance Certificate** during this program. College courses also apply towards a variety of additional certificate and degree programs at FRCC.

**Group 1:**

FRCC Course	Semester	Testing Requirements, Course Prerequisites	Total Credits
ASE 101 – Auto Shop Orientation (2 credits)	Fall	Accuplace into CCR 092 and MAT 050 or higher	Fall: 6 credits
ASE 110 - Brakes I (2 credits)	Fall	Accuplace into CCR 092 and MAT 050 or higher; ASE 101 (or co-requisite)	
ASE 140 - Steering & Suspension (2)	Fall	Accuplace into CCR 092 and MAT 050 or higher; ASE 101 (or co-requisite)	
ASE 120 – Basic Auto Electricity (2)	Spring	Accuplace into CCR 092 and MAT 050 or higher; ASE 101 (or co-requisite)	Spring: 4 credits
ASE 130 - General Engine Diagnosis (2 credits)	Spring	Accuplace into CCR 092 and MAT 050 or higher; ASE 101 (or co-requisite)	
			<b>Total: 10 credits</b>

**Group 2:**

FRCC Course	Semester	Testing Requirements, Course Prerequisites	Total Credits
ASE 101 – Auto Shop Orientation (2 credits)	Fall	Accuplace into CCR 092 and MAT 050 or higher	Fall: 6 credits
ASE 120 – Basic Auto Electricity (2)	Fall	Accuplace into CCR 092 and MAT 050 or higher; ASE 101 (or co-requisite)	
ASE 130 - General Engine Diagnosis (2 credits)	Fall	Accuplace into CCR 092 and MAT 050 or higher; ASE 101 (or co-requisite)	
ASE 140 - Steering & Suspension (2)	Spring	Accuplace into CCR 092 and MAT 050 or higher; ASE 101 (or co-requisite)	Spring: 4 credits
ASE 110 - Brakes I (2 credits)	Spring	Accuplace into CCR 092 and MAT 050 or higher; ASE 101 (or co-requisite)	
			<b>Total: 10 credits</b>

### Criminal Justice Careers Exploration

Are you interested in learning more about the criminal justice system? In this program, students explore careers in the criminal justice field and learn about the roles of various criminal justice agencies, police procedures, crime-scene investigation, criminal law and the courts, the correctional system, communication skills, and more. Students interact with a wide variety of professional guest speakers, visit field trip sites, and participate in community service, in addition to traditional classroom activities.

High School Credit:

All students earn elective high school credit for participation in this program. Check with your counselor for more information.

FRCC College Credit:

Students can earn *optional* FRCC college credit through our concurrent enrollment option. Check with your counselor for more information about enrollment requirements. All college courses apply towards the **FRCC Associate of Arts (A.A.) Degree for Transfer, Designation in Criminal Justice.**

FRCC Course	Semester	Testing Requirements, Course Prerequisites	Total Credits
CRJ 110-Intro to Criminal Justice (3 credits)	Fall	None	Fall: 3 credits
CRJ 125-Policing Systems (3 credits)	Spring	None	Spring: 6 credits
CRJ 127-Crime Scene Investigation (3 credits)	Spring	None	
			<b>Total: 9 credits</b>

### Culinary Arts

Do you love to cook? This program is designed for students interested in exploring the art and science of cooking. Students learn about careers in the food service industry, practice food safety and sanitation, plan and prepare meals, explore culinary techniques, try different cuisines, practice food presentation, and work in a professional kitchen. Students work together to execute their own dishes! This program is made up of lecture, demonstration, practice in the student kitchen, field trips, a student banquet, and the opportunity to earn placement in an internship. Students sit for the national ServSafe® Food Handler certification exam during the program. ***This program is held at Fossil Ridge High School.***

High School Credit:

All students earn elective high school credit for participation in this program. Check with your counselor for more information.

FRCC College Credit:

Students can earn *optional* FRCC college credit through our concurrent enrollment option. Check with your counselor for more information about enrollment requirements. College courses apply towards the **FRCC Hospitality and Culinary Arts Management A.A.S** and a variety of certificate programs at FRCC.

FRCC Course	Semester	Testing Requirements, Course Prerequisites	Total Credits
CUA 101-Food Safety & Sanitation (2 credits)	Fall	None	Fall: 6 credits
CUA 129-Center of the Plate (4 credits)	Fall	None	
CUA 129-Baking & Pastry (4 credits)	Spring	None	Spring: 4 credits
			<b>Total: 10 credits</b>

### Design Careers Exploration

Do you like the idea of blending art and science into a career? This program is designed for students interested in architecture, landscape design, interior design, engineering, or other design-related fields. Students study both traditional hand-drafting techniques and state-of-the-art computer-aided drafting skills. They will learn how to produce and interpret architectural plans that emphasize knowledge of environmentally-conscious building concepts. Students also learn project and presentation skills useful in many different career paths. This program is made up of lecture, classroom activities, studio- and computer lab-based projects, presentations, field trips, and the opportunity to earn placement in an internship.

High School Credit:

All students earn elective high school credit for participation in this program. Check with your counselor for more information.

FRCC College Credit:

Students can earn *optional* FRCC college credit through our concurrent enrollment option. Check with your counselor for more information about enrollment requirements. College courses apply towards the **FRCC Computer-aided Drafting & Design A.A.S.**, the **Architecture & Building Science A.A.S.**, and a variety of certificate programs at FRCC.

FRCC Course	Semester	Testing Requirements, Course Prerequisites	Total Credits
CAD 101-Computer-aided Drafting I (3 credits)	Fall	None	Fall: 3 credits
CAD 102-Computer-aided Drafting II (3 credits)	Spring	None	Spring: 9 credits
CAD 115-Sketchup (3 credits)	Spring	None	
HLT 130- Landscape Design I (3 credits)	Spring	None	
			<b>Total: 12 credits</b>

### Medical Careers Exploration

Are you interested in a fulfilling career in the health care field? In this program, students gain foundational knowledge in science and medicine and exposure to a wide variety of medical professionals and facilities. Students explore anatomy and physiology, medical terminology, safe practices in the clinical setting, ethics in health care, and fundamental nurse aide skills. During the year, students can earn certificates in 1) Adult First Aid/CPR 2) Infant and Child First Aid/CPR and 3) Dementia Care. Curriculum also includes basic nurse aide (CNA) training, culminating in a three-day clinical experience working with real patients. This program is made up of lecture, classroom activities, guest speakers, practice in the nursing lab, field trips, community service, and clinical experiences. ***PSD students attend the program at FRCC and TSD students attend the program at the FRCC Community Learning Center site in Loveland.***

High School Credit:

All students earn elective high school credit for participation in this program. Check with your counselor for more information.

FRCC College Credit:

Students can earn *optional* FRCC college credit through our concurrent enrollment option. Check with your counselor for more information about enrollment requirements. Students can complete the **FRCC Nurse Aide Certificate** during this program, preparing them to take the State Certification Exam to become a Certified Nurse Aide.

**Medical Careers Exploration (continued)**

FRCC Course	Semester	Testing Requirements, Course Prerequisites	Total Credits
HPR 178 – Seminar: Medical Terminology (1 credit)	Spring	None	Spring: 6 credits
NUA 101 – Certified Nurse Aide Health Care Skills (4 credits)	Spring	Accuplace into CCR 093 or CCR 094 or higher	
NUA 170 – Nurse Assistant Clinical Experience (1 credit)	Spring	Coreq. NUA 101	
			<b>Total: 6 credits</b>

**Welding & Metal Fabrication**

Do you enjoy working with your hands? This program is great for students interested in learning basic welding & metal fabrication techniques. Employers are willing to pay top dollar for skilled welders! In this program, students build projects in the welding shop using gas metal arc welding, shielded metal arc welding, oxy-fuel cutting, plasma cutting, and metal-forming techniques. Students work together to produce unique creative designs in teams. At the end of each semester, students have a silent auction to sell their work. Fabricated items will include both student-initiated projects as well as items that were requested by local individuals and companies. This allows students to experience real-world business experience, working with customers on bidding, formalizing a contract, and more. This program is made up of lecture, hands-on training in the FRCC Weld Shop, group projects, guest speakers, and field trips.

High School Credit:

All students earn elective high school credit for participation in this program. Check with your counselor for more information.

FRCC College Credit:

Students can earn *optional* FRCC college credit through our concurrent enrollment option. Check with your counselor for more information about enrollment requirements. Students can earn the **FRCC Welding Fundamentals Certificate** during this program. College courses also apply towards a variety of additional degree and certificate programs at FRCC.

FRCC Course	Semester	Testing Requirements, Course Prerequisites	Total Credits
WEL 100 - Safety for Welders (1 credit)	Fall	None	Fall: 5 credits
WEL 103 – Basic Shielded Metal Arc I (4 credits)	Fall	Prerequisite or Co-requisite: WEL 100	
WEL 125 – Introduction to Gas Metal Arc Welding (4 credits)	Spring	Prerequisite or Co-requisite: WEL 100	Spring: 4 credits
			<b>Total: 9 credits</b>

**Wildlife, Forestry, & Natural Resources**

Do you love the outdoors? This program is designed for students interested in learning the fundamentals of forestry, soil and water resources, wildlife management, and outdoor recreation. Students explore soil, water quality and management principles required to make conscientious land-use decisions, and participate in a technician skills unit covering equipment operation, safe chain-saw use, GPS/mapping and orienteering. Classroom knowledge is applied through a research site at Horsetooth Reservoir and field labs at Horsetooth Mountain Park and on U.S. Forest Service land near Red Feather Lakes. This program is made up of lecture, classroom activities, field experiences, guest speakers, research projects, and the opportunity to earn placement in an internship during the spring semester.

**Wildlife, Forestry, & Natural Resources (*continued*)**

High School Credit:

All students earn elective high school credit for participation in this program. Check with your counselor for more information.

FRCC College Credit:

Students can earn *optional* FRCC college credit through our concurrent enrollment option. Check with your counselor for more information about enrollment requirements. Students can earn the **FRCC Forestry Certificate** during this program. College courses also apply towards a variety of additional degree and certificate programs at FRCC.

FRCC Course	Semester	Testing Requirements, Course Prerequisites	Total Credits
NRE 100 – Foundations of Forestry (3 credits)	Fall	None	Fall: 6 credits
NRE 110 – Forestry Field Research (3 credits)	Fall	None	
NRE 205 – Wildlife & Fisheries Management Principles (3 credits)	Spring	None	Spring: 3 credits
			<b>Total: 9 credits</b>



## **CAMPUS SELECT PROGRAM, FALL 2015-SPRING 2016**



*Students can choose Campus Select courses from the FRCC catalog.*

*For a complete list of offerings, visit [www.frontrange.edu/Academics/Catalog-and-Course-Schedules/](http://www.frontrange.edu/Academics/Catalog-and-Course-Schedules/)*

### **HEATING, VENTILATION & AIR CONDITIONING**

(Offered at the FRCC Community Learning Center at 800 S. Taft Ave, Loveland, CO)

*NOTE: Assessment testing is required for all students. Students who place into CCR 093 or above and MAT 050 or above may enroll in HVA classes. For more info and additional HVA course offerings, call the HVAC Program at 970-613-7588.*

#### **HVA 101 Introduction to Air Conditioning & Refrigeration (4 credits)**

Introduces school policies, safety procedures, and first aid. Use of trade tools and terminology is covered. Laboratory experiences include brazing, soldering, and material.

(1<sup>ST</sup> 7.5 weeks of Fall 2015 Semester, Monday thru Thursday from 12:30-2:30pm)

#### **HVA 102 Basic Refrigeration (4 credits)**

Introduces the basic theory of refrigeration systems, components, charging, recycling, and evacuation of refrigeration units. *Prerequisite or Corequisite: HVA 101*

(2<sup>nd</sup> 7.5 Weeks of Fall 2015 Semester, Monday thru Thursday from 12:30-2:30pm)

#### **HVA 103 Basic Electricity (3 credits)**

Covers basic electrical AC and DC theory, including study of Ohm's Law and using electrical theory to explain operation of electrical devices.

(1<sup>ST</sup> 7.5 Weeks of Spring 2016 Semester, Tuesday thru Thursday from 12:30-2:30pm)

#### **HVA 104 Electrical Components For Air Conditioning And Refrigeration (4 credits)**

Covers electrical power, distribution, transformers, capacitors, relays, and electric motors.

Laboratory experiences consist of using electrical devices to control electrical loads. *Prerequisite or Corequisite: HVA 103*

(2<sup>nd</sup> 7.5 Weeks of Spring 2016 Semester, Monday thru Thursday from 12:30-2:30pm)

### **NURSE AIDE CERTIFICATION**

(Offered at the FRCC Community Learning Center at 800 S. Taft Ave, Loveland, CO)

*NOTE: Assessment testing is required for all students. Students who place into CCR 093 or above may enroll in NUA classes. Students must be 17 years old. Out-of-pocket student costs (approx. \$375) to include; student fees, criminal background check, textbook, skills training DVD, clinical scrubs, a wrist watch, immunizations and TB test. For more info and additional NUA course offerings, call the Nurse Aide Program at 970-613-7580.*

#### **NUA 101 Certified Nurse Aide Health Care Skills (4 credits)**

Prepares the student to perform the fundamental skills of the nurse aide.

#### **NUA 170 Nurse Aide Clinical Experience (1 credit)**

Applies knowledge gained from NUA 101 in a clinical setting (*Three eight-hour days of clinical shifts 6am-2pm or 2-10pm*).

15 week section: August 25-December 13, Tuesday & Thursday from 1-3:30pm

9.5 week section: August 25-October 30, Tuesday & Thursday from 8am-12pm



**HIGH SCHOOL SELECT PROGRAM, FALL 2015-SPRING 2016**



Course Prefix/#	Course Name	Instructor	High School
ACC 101	Fundamentals of Accounting (3)	Karen Seeton	Fossil Ridge HS
CWB 130	Web Editing Tools (3)	Paula Didero	Fossil Ridge HS
ENG 121	English Comp I (3)	Robert 'Todd' Forkner	Fossil Ridge HS
ENG 122	English Comp II (3)	Robert 'Todd' Forkner	Fossil Ridge HS
FRE 211	French Language III (3)	Nico Henry	Fossil Ridge HS
LIT 115	Intro to Literature (3)	Robert 'Todd' Forkner	Fossil Ridge HS
MAR 216	Principles of Marketing (3)	Tanya Alcaraz	Fossil Ridge HS
SOC 101	Intro to Sociology I (3)	Tara Rigby	Fossil Ridge HS

**ASCENT PROGRAM, FALL 2015-SPRING 2016**



***What is ASCENT?***

ASCENT stands for Accelerating Students through Concurrent Enrollment. It is a “5th Year Program” that allows seniors to remain enrolled in high school and take a fifth year consisting entirely of college classes, taken at Front Range Community College.

***How would ASCENT benefit students?***

By participating in this program a student will get to continue taking college classes, at Front Range Community College, while Poudre School District pays their college tuition. Many students finish the ASCENT Program having completed an Associate’s Degree.

How do students qualify for the program?

Students must:

- Remain enrolled at the high school for a fifth year (they do not attend classes at the high school)
- Be under the age of 21.
- Have a GPA of at least 2.0.
- Be on track to meet all high school graduation requirements by the end of their senior year.
- Have completed, or be on track to complete, at least 12 college credits prior to the completion of the 12th grade year. \*CU Succeed, CU Ready, CU Gold and Concurrent Enrollment classes from FRCC are all accepted. \*AP and IB courses are currently not accepted.
- Not be in need of basic skills or remedial course work as defined by the Colorado Commission on Higher Education’s (CCH) remedial education policy.
- Have satisfied the minimum prerequisites for the college courses before enrollment in the course, including having the required ACT or Accuplacer scores.
- Complete an Individual Career and Academic Plan (ICAP) with your high school counselor.
- Apply to and be accepted into the Colorado postsecondary institution where they plan to take college classes.
- Have not participated in the ASCENT program in previous years.

***Questions about ASCENT?*** Contact Janie Wald, MA, ASCENT counselor, 970-286-5608 or email [jwald@psdschools.org](mailto:jwald@psdschools.org)