

Wildlife, Forestry, and Natural Resources

College Now – Career Pathways Program
Front Range Community College
2017-2018



Program Syllabus



Career Pathways

The Career Pathways program at Front Range Community College provides a supportive educational climate that promotes career exploration, technical skills, and readiness for college and employment.

The Wildlife, Forestry, and Natural Resources Program

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Blanca Peak 171

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Group Text: We will be using a group texting system called *Remind* to give last minute updates if needed for field trips. I would like all students with cell phones to subscribe to this message system, and parents may if they would like to.

To subscribe: Text: @c6f7cg to 81010 or @c6f7cg to (571) 989-4649

Student information: Please go to bit.ly/wildlifestudentinfo2017 and fill in your personal information.

Student Interest: Please go to bit.ly/wildlifesurvey2017 and tell us what you want to learn about!

Wildlife, Forestry, and Natural Resource Program Description

Welcome to the natural resources program! This year-long program is designed for high school students interested in exploring careers that get you outside and protecting and managing our natural resources.

Schedule and Calendar

Students are enrolled in Career Pathways for either the morning session or afternoon session, depending on their high school schedule.

Morning Session: 8am – 10am, Monday – Friday

Afternoon Session: 12:30pm – 2:30pm, Monday – Friday

Students will follow the FRCC academic calendar for their Career Pathways classes. As a result, there may be times when students are expected to attend their FRCC classes even when their high school may not be in session, such as Spring Break or Parent/Teacher Conference days.

Unexpected Closures: Students are not expected to attend their Career Pathways classes if FRCC, Poudre School District, or Thompson School District are unexpectedly closed (due to weather, emergencies, etc.). Please see the FRCC website (www.frontrange.edu) for updates and check your Desire2Learn course shell (more info below) for information from your instructor.

Transportation

Busses are provided to FRCC from most of the high schools in Poudre and Thompson school districts. Students are expected to provide their own transportation on days the school district is not in session. In addition, students must arrange transportation to most off campus activities, such as labs, field trips, and internships. Students often carpool together to these activities.

Program Requirements/Information

Students in Career Pathways are expected to attend every day, participate fully, and communicate regularly with their instructors. Students are responsible for monitoring grades and becoming familiar with the information provided in this syllabus. Students are responsible for regularly checking the online class portal, Desire-to-Learn (D2L), for program announcements and to monitor grades and attendance. See below for more information about D2L.

Equipment and Supplies:

Students are required to **purchase a three-ring binder** and notebook paper, as well as have a writing utensil every day. Each student is responsible for the care of the notebook and reference books provided. **Safety boots** will need to be purchased by the student for parts of our chainsaw unit (beginning the first week in Oct.). These boots should be all leather and at least 10" tall. Steel toe is not required. A **Flash Drive** is required for each student due to our high use of computers for projects. A **\$40 student fee** will be charged to each student and will cover the course texts, gloves, safety glasses, ear plugs, and a program t-shirt.

Transportation

Part of this course requires students to attend field trips away from the school campus. For field trips that are close to the school, students may be required to meet at the site. This will save transportation time, and money on bus rental. Parents will need to sign a release that allows their student to either drive to, or ride with another student to the field trip location. Students are expected to drive in a safe and mature manner and adhere to all speed and safety laws. Reckless driving could result in the student being removed from the class.

Extra Credit

Students may earn extra credit for this course. Please refer to Extra Credit Handout for more details. Extra credit is due the day of each final exam.

Honors Program

This course is eligible for Honors Distinction. To receive the Honors Distinction students must:

- Earn a minimum of a 90% in the course

- Work with Ray and Heather to complete an honors project spring semester, and present the completed project in front of the class or a small group of people.

Wildlife, Forestry, & Natural Resources Courses

HIGH SCHOOL CREDIT

All students will be enrolled in the High School Wildlife, Forestry and Natural Resources course each semester. These classes and grades will appear on your home high school transcript, but will not be included on an FRCC college transcript.

Fall Semester

HS Wildlife, Forestry, NR Fall (WFNZ 010)

Start Date: Monday, August 21, 2017

End Date: Tuesday, December 12, 2017

Course Description: Fall semester content covered in the Wildlife, Forestry, and Natural Resources program includes: career exploration; water and soil science; ecology; forest management; forestry field techniques; fire science; tree biology, and cooperative education or internship at the discretion of the instructor. Credit awarded in WFNZ 010 is designated on the student's fall semester high school transcript only.

Spring Semester

HS Wildlife, Forestry, NR Spring (WFNZ 011)

Start Date: Tuesday, January 16, 2018

End Date: Monday, May 7, 2018

Course Description: Spring semester content covered in the Wildlife, Forestry, and Natural Resources program includes: career exploration, protection of endangered species, game management; habitat management; fisheries biology and management; rangeland management, technical writing; and cooperative education or internship at the discretion of the instructor. Credit awarded in WFNZ 011 is designated on the student's spring semester high school transcript only.

COLLEGE CREDIT (OPTIONAL)

Content for optional College courses is integrated into the high school curriculum, and enrolling in the optional college courses will not add additional course work. The college classes listed below are **optional**. Students who enroll in college classes will generate an FRCC college transcript, and the grades for the classes below will become part of a student's permanent college record at FRCC. *A syllabus for each individual college course will be provided separately in addition to this program handbook.*

Signing up: An enrollment packet containing instructions and required forms will be distributed at Orientation and/or on the first day of class. All required steps must be completed and forms must be submitted to your instructor **by Wednesday, August 30th** in order to be enrolled in the *optional* college credit awarded in this program.

Drop and withdraw deadlines for college courses: Most FRCC degrees and certificates require that students earn a C or higher in each required course. Failure to earn passing grades in the college classes will also negatively impact a student's ability to receive financial aid in the future. To avoid earning a "D" or an "F" on your permanent college transcript, be aware of the drop and withdraw dates for your college courses. Ask your instructor or the College Now Office for help submitting the proper forms *prior* to the deadlines listed below if you are worried about your academic progress in a course. A dropped course will never show on your FRCC transcript and a withdraw reads as a "W" on your FRCC transcript, but there is no grade attached.

Fall Semester

Foundations of Forestry (NRE 100)-optional college course

FRCC Credits: 3

Start Date: Monday, August 21, 2017

End Date: Tuesday, December 12, 2017

Drop Deadline: Wednesday, September 6, 2017

Withdraw Deadline: Sunday, November 19, 2017

Course Description: Presents the principles of forest science, dendrology, forest fire behavior, and silviculture principles.

Forestry Field Research (NRE 110)-optional college course

FRCC Credits: 3

Start Date: Monday, August 21, 2017

End Date: Tuesday, December 12, 2017

Drop Deadline: Wednesday, September 6, 2017

Withdraw Deadline: Sunday, November 19, 2017

Course Description: Introduces research techniques to manage land for a variety of objectives. These include the improvement of wildlife habitat and forest diversity, the prevention of wildfire and insect and disease epidemics, and the scheduling of a sustainable wood supply.

Internship (NRE 280) -optional college course

FRCC Credits: 1

Start Date: Wednesday, September 27, 2017

End Date: Tuesday, December 12, 2017

Drop Deadline: Saturday, October 7, 2017

Withdraw Deadline: Sunday, November 26, 2017

Course Description: Provides students with the opportunity to supplement coursework with practical work experience related to their educational program. Students work under the immediate supervision of experienced personnel at the business location and with the direct guidance of the instructor.

Spring Semester

The drop and withdraw deadlines for all spring college courses is:

Drop Deadline	Withdraw Deadline
Wednesday, January 31, 2018	Saturday, April 14, 2018

Wildlife & Fisheries Management Principles (NRE 205) -optional college course

FRCC Credits: 3

Start Date: Tuesday, January 16, 2018

End Date: Monday, May 7, 2018

Course Description: Covers theory, philosophy, and applications for study and management of wildlife and fisheries resources. Field and laboratory methods used in wildlife management also covered.

Range and Restoration Management (NRE 204) – optional college course

FRCC Credits: 4

Start Date: Tuesday, January 16, 2018

End Date: Monday, May 7 2018

Course Description: Covers management of rangelands, important plants, rangeland communities, and restoration practices to restore disturbed ecosystems. Students will learn field measurement techniques of ecosystem components.

Internship (NRE 280) -optional college course

FRCC Credits: 1

Start Date: Tuesday, January 16, 2018

End Date: Monday, May 7, 2018

Course Description: Provides students with the opportunity to supplement coursework with practical work experience related to their educational program. Students work under the immediate supervision of experienced personnel at the business location and with the direct guidance of the instructor.

Career Pathways Policies

Grades

All students will earn high school grades that will post to the high school transcript. Students who enroll in optional college credit will also earn grades for each college class that will post to the student's FRCC college transcript.

Career Pathways grading scale 90-

100% = A

80-89.9%= B

70-79.9%= C

60-69.9%= D

0-59.9%= F

Attendance

Students are expected to attend every day in the Career Pathways program. Our programs provide hands on experiences that are crucial to student success and difficult to make up.

If extenuating circumstances occur and a student must miss class, the student must contact the instructor **before the missed class period**. Students should be aware that they will receive a "0" for lab activities that cannot be made up or replicated. **Attendance and participation are a significant part of the high school grade.**

Absences for high school related activities will be excused, provided the student provides the instructor with proper documentation of the activity.

There are approximately 70 contact days in each semester. Students will receive 1 point per day for attendance for a total of 70 points.

Absences in excess of three days in the entire semester will require the student to meet with the Department Chair of the Career Pathways Program. After 5 absences, additional actions will be taken to ensure that the student can be successful in the program, or if the student should pursue alternative academic options. This may include, but is not limited to, an attendance contract, notification to the home high school, and/or further meetings with the Career Pathways Department Chair.

Students are expected to be on-time to class and field labs. Tardiness, in excess of 3 times, will be counted as a missed class.

If extenuating circumstances occur and a student must miss class, the student should follow the policies listed below:

- Students are expected to contact their instructors *before* the missed class period to explain why they will be absent.
- Students who miss class due to a home high school activity (sports, senior meetings, etc.) must provide documentation from the high school prior to the absence.
- Students are responsible for checking in with instructors while absent or immediately upon their return. Check in should include submitting assignments completed prior to the absence, requesting make up work from the instructor, and setting a deadline for submitting missed assignments.
- Students should be aware that they will receive a "0" for lab activities that cannot be made up or replicated.

Students with absences can expect to discuss their attendance with faculty and/or administrative staff. In some cases, the high school counselor will be informed of attendance issues.

Late Work

Students may turn in work up to two days past the due date for ½ credit. After 2 days no credit will be given.

Make-up Work: It is the student's responsibility to request make-up work prior to being absent.

Students will be given two days to complete make-up work unless otherwise instructed.

Assignments due the day of an absence are expected to be turned in prior to the absence, or turned in electronically the day of the absence unless otherwise stated by the instructor.

Professionalism

Attendance, participation, and professionalism will also be evaluated as part of a student's final high school grade. Students are expected to attend every day, participate fully in their programs, and maintain professionalism in the classroom and lab. Professionalism includes wearing appropriate clothing, communicating with instructors, working respectfully with other classmates, and maintaining a safe lab experience.

Academic Progress

Students must earn at least a D in their fall semester high school course to be eligible to continue in the Career Pathways program in the spring. **Students who do not earn this minimum grade will return to their home high schools for all course work in the Spring Semester.** Students who do not return will be expected to return all checked out text books and materials before the start of Spring Semester.

Student Progress (Grades, Attendance, etc.)

Students will have access to updated progress information through Desire-to-Learn (D2L), which provides an online grade book and attendance record for each student. D2L is accessed through the "DESIRE2LEARN" link at the top of the www.frontrange.edu webpage. Students will need their FRCC issued "S-number" and their password to access D2L.

Students are expected to track their progress and promptly discuss any concerns with the instructor.

Parents should be aware that the Career Pathways program does not send out routine progress reports, and that Career Pathways instructors do not typically contact parents with grade or attendance concerns. However, parents are encouraged to check on student progress through D2L. Parents are welcome to contact faculty and staff if they have concerns.

Please note that high schools will be periodically updated on student progress and attendance.

Accommodations

Students who have IEPs or 504 Plans in high school are eligible to receive accommodations in their Career Pathways programs. If students enroll for high school credit only, we will follow the accommodations listed in the high school documentation as closely as possible. Students who enroll for optional college credit are only eligible for college-level accommodations that must be arranged with the College Now office. Please contact Beth Montgomery at 204-8372 to set up college accommodations.

Drops and Withdraws

Students who need to drop the Career Pathways program must get approval from their high school counselors. The high school counselor will contact College Now to complete the drop process. Students are expected to return all textbooks and class materials to the instructor.

Students who enroll for college credit have the option to drop or withdraw from individual college classes, but will remain enrolled in the program and will continue earning grades for the high school transcript. Students who wish to drop or withdraw from one or more college classes must contact the College Now office (no high school or parent approval is required). Drop and withdraw deadlines are noted in the college course information section of this syllabus. Please note that withdraws may affect future financial aid eligibility.

Faculty are available to discuss student progress and the withdraw option for students with questions.

Career and Technical Student Organization

Career Pathways students have the opportunity to become members of the FRCC/Larimer Campus Society of American Foresters (SAF) chapter. Student clubs provide the opportunity for students to take the curriculum they learn in class and apply it to real-world projects and activities, including, but not limited to: service with community partners and organizations, career development opportunities, and working with industry partners to better understand the career area. Club participation can connect secondary and postsecondary students and faculty together and develop strong leadership skills in students of all ages. Club activity is open to all FRCC Larimer postsecondary and secondary students who meet requirements outlined in club constitutions and bylaws. Career Pathways students are encouraged to participate in extracurricular meetings and activities as their high school schedules allow.

Industry Experience/Internships / Cooperative Education

Students may have the opportunity to gain valuable work experience during an industry specific work experience/Internship experience each semester. Please note that participation in this experience is earned each semester, and **eligibility is determined by the instructor**. Students not eligible for this industry work experience will have the ability to apply for a Cooperative Education Experience in which they can volunteer or participate in natural resource related activities in the community.

To qualify for an industry work experience, students must have demonstrated the following in their Career Pathways program:

- ✓ Have a minimum of an 80% in the high school class
- ✓ Have completed a minimum of 80% of the assignments in the High School Class
- ✓ Have no more than 2 absences by week 5 in the semester, and no more than 5 in the semester.
- ✓ Submitted the Internship application by the designated deadline
- ✓ Ability to work without supervision and follow directions
- ✓ Ability to proactively communicate with instructor and classmates

Note that students will be required to complete some internship hours outside of regular class times.

To qualify for a Cooperative Education experience students must have demonstrated the following in

their Career Pathways program:

- ✓ Have a minimum of a 70% in the high school Program
- ✓ Have no more than 4 absences by week 5 in the semester and no more than 5 in the semester.

Students not earning a position in one of the above placement options will be required to be in a study Hall with the instructor on days in which other students are released for their internship or Cooperative Education participation.

The instructor reserves the right to remove a student from internship or Coop Ed programming at any time due to the student's failure to meet requirements, exceeding maximum allowable absences, or poor academic performance in class.

Safety

Safety is the highest priority in the Career Pathways program. Instructors will determine if a student is unfit to participate in lab activities for any reason, including but not limited to: being unprepared, acting unprofessionally, appearing disoriented or impaired, and/or violating safety policies and procedures. Students will receive a "0" for missed lab activities. If safety concerns are not immediately resolved, the student may not be permitted to continue in the program.

Student Conduct

Students are expected to actively and safely participate in their programs, be respectful of all faculty, staff, and students, and show responsibility, maturity, and integrity when enrolled in a Career Pathways program. Students who do not meet these expectations may not be permitted to continue in the program. Career Pathways will notify the FRCC Public Safety Office and Dean of Students for serious issues, which may affect a student's future enrollment at FRCC and may result in legal sanctions.

Students are encouraged to review the FRCC Student Code of Conduct, available at <http://www.frontrange.edu/being-a-student/code-of-conduct>. In particular, students should note the Career Pathways policies listed below:

- Educational environment: any behavior that interferes with the educational environment, teaching, and/or learning is not acceptable.
- Academic honesty: students are expected to complete their coursework with integrity. Cheating and/or plagiarism are not acceptable.
- Drugs/alcohol: any suspected drug and alcohol issues will be immediately reported to the home high school and the FRCC Public Safety office.
- Cell phones and other electronics: use of cell phones and other personal electronics are not allowed except for approved purposes at the discretion of the instructor.
- Attire: students should select appropriate clothing for the hands on activities in their programs. Attire should reflect a professional environment.
- Parking: students who provide their own transportation are expected to drive safely on campus, use designated parking spaces, and go directly to their classrooms, computer lab, student center, or library upon arrival.
- Computer usage: Computers are to be used only for program-related coursework and labs.

Permission to Include Student in Photographs and/or Videos

Photos and videos of our programs are a vital component to recruitment. A non-permission form is available in the College Now office if you or your parent objects to the use of your photo in recruitment materials.

Title IX Statement from Paul Meese, Title IX/EO Coordinator

Our college is committed to preserving a safe and welcoming educational environment for all students. As part of this effort, I have an obligation to report certain issues relating to the health and safety of campus community members. I must report to the appropriate college officials any allegation of discrimination or harassment. Sexual misconduct, which includes sexual harassment, non-consensual sexual contact, non-consensual sexual intercourse, and sexual exploitation, is considered a form of discrimination.

In addition to reporting all discrimination and harassment claims, I must report all allegations of dating violence or domestic violence, child abuse or neglect, and/or credible threats of harm to yourself or others. Such reports may trigger contact from a college official who will want to talk with you about the incident that you have shared. In almost all cases, it will be your decision whether you wish to speak with that individual. If you would like more information, you may reach the Title IX/EO Coordinator by emailing Paul.Meese@frontrange.edu or calling 303-678-3707. Reports to law enforcement can be made with the local law enforcement agency or you may contact the campus security office at:

Boulder County Campus – 303-678-3911

Larimer County Campus – 970-204-8124

Westminster Campus – 303-404-5411

If you would like a confidential resource, please contact Paul Meese, FRCC Executive Director of Human Resources. Further information may be found on the college's web site at:

<http://www.frontrange.edu/being-a-student/campus-safety>.

FRCC Forestry Certificate:

Students participating in the Wildlife, Forestry, & Natural Resources program have the opportunity to complete the college coursework required to earn an FRCC Forestry Certificate. This certificate program is designed for individuals who are seeking employment in the forestry/natural resources industry and want to learn valuable entry-level job skills. More information about the program is available at <http://frontrange.smartcatalogiq.com/2017-2018/Catalog/Degrees-and-Certificates/Forestry-Wildlife-and-Natural-Resources/Forestry-Wildlife-and-Natural-Resources-Certificates/Forestry>

Requirements:

- Students must successfully complete all enrollment steps to sign up for college credit in their program by established deadlines
- Students must successfully complete the following coursework with a “C” or better:
 - NRE 100-Foundations of Forestry
 - NRE 110-Forestry Field Research

- NRE 205-Wildlife & Fisheries Management Principles
- Students must fill out an “Intent to Enroll” form and submit to their instructor by the appropriate deadline.

STUDENT WAIVER OF LIABILITY FORM

**State Board for Community Colleges and Occupational Education,
for the use and benefit of Front Range Community College**

Angie Gramse, Associate Legal Counsel, 9101 E. Lowry Blvd, Denver, CO 80230. 720-858-2721

Program: Wildlife, Forestry, and Natural Resources Term: 2017-2018

Description: All on-campus and off-campus activities related to Career Pathways Programs

Front Range Community College, Poudre School District R-1 and Thompson School District R2-J are educational institutions in the State of Colorado, and, as such, are covered by the Colorado Governmental Immunity Act, CRS 24-10-101. This law provides that the state and its institutions are immune from lawsuits for injuries suffered by private persons, except in specific situations listed in the law, where immunity is waived. Voluntary participation by students in field trips and non-classroom activities conducted by a state-funded institution of higher education or other educational institutions is not one of the areas where immunity from liability is specifically waived. In other words, by law, if a student suffers an injury as a result of participation in field trips and non-classroom activities of the college, the college is immune from fiscal liability for such injury. For this reason, students are strongly encouraged to obtain medical insurance coverage, if they do not already have coverage, before participating in these activities. Students are also encouraged to read the applicable statutes cited above, which are on file in the Library and on the Internet.

In consideration of, and as a payment for, the right to participate in field trips and non-classroom activities, and the services and food arranged for me by Front Range Community College, Poudre School District R-1 and Thompson School District R2-J and their agents, I have and do hereby assume all risks and will hold them harmless from any and all liability, actions, causes of action, debts, claims and demands of every kind and nature whatsoever which I now have or which may arise from or in connection with my participation in activities arranged for me by Front Range Community College, Poudre School District or Thompson School District or its agents. The terms hereof shall serve as a release and assumption of risk for my heir's executors and administrators and all members of my family.

In signing below I hereby assert that:

1. I have read this document and understand that specific trip information will be provided;
2. I understand that Front Range Community College, Poudre School District and Thompson School District are covered by the Colorado Governmental Immunity Act;
3. I may be personally liable for injuries that I may suffer as a result of participation in this activity.

Student Name (Print)

Student Signature

Date

Parent/Guardian Name (Print)

Parent/Guardian Signature

Date

ACKNOWLEDGEMENT OF RECEIPT OF SYLLABUS

- I acknowledge that I have received a copy of the syllabus for the Wildlife, Forestry, & Natural Resources Career Pathways Program.
- I acknowledge that I am responsible for understanding the content of the syllabus and for following by the policies and procedures.

Student Name (please print): _____

Student Signature: _____

Parent/Guardian: _____

Date _____

- Complete this form, detach from the syllabus, and return page to instructor-