

2016-2017 Catalog Addendum

FRCC apologizes for any inconvenience due to the following changes.

Business - Retail Management Certificate

New Code: F_CER_BMR

BUS 226: Business Statistics: New Prerequisite

MAT 050 or higher with a grade of "C" or better or appropriate diagnostic scores.

CNG 122 Computer Technician II: A+

Course description updated to:

Provides students with an in-depth look at desktop and mobile Operating System support, maintenance, and troubleshooting, and an overview of security concepts, and interpersonal skills, all of which are necessary for a successful entry-level computer service technician position. Provides extensive hands-on work with current operating systems, including using common GUI and command line tools, registry editing, system backup and recovery, and advanced troubleshooting. This course helps prepare you for the second CompTIA A+ Exam.

Early Childhood Education - Associate Degree with Designation title and code have been updated: **Early Childhood Teacher Education** F_AA_AA_ECTD.

Elementary Education - Associate Degree with Designation title and code have been updated: **Elementary Teacher Education** F_AA_AA_EMTD.

Fermentation Science Degree with Designation is now offered at FRCC. F_AA_AA_FERD. See the online catalog for a full description.

Holistic Health Course Changes

HHP 120 new title: **Introduction to Integrative Health**

New Course: HHP 220 Exploring Holistic Animal Care (3)

Introduces theories of holistic animal care, communication techniques, and various homeopathic, energetic & natural remedies that can be safely used with animals. Discusses how to provide animals with healthier nutrition, safe toys and environments to optimize their overall wellness. Examines diverse views and treatment of animals from past to present, the applications of complementary practices in animal care as well as the grief process in coping with the loss of an animal/pet. 45 Contact Hrs.

HHP 232 new title and course description: **Integrative Coaching Skills for Fitness Achievement**. Prepares students to become integrative health/wellness coaching professionals to assist clients in achieving health and lifestyle changes using fitness goals. Teaches how to apply an integrative wellness coaching techniques to the fitness world when working with clients possessing various health conditions and physical abilities. Acquire specific knowledge and skills on how to support and motivate clients who desire to make behavioral and lifestyle changes in order to achieve optimal health.

HHP 262 new title and course description:

Psychoneuroimmunology (PNI): Exploring the Mind-Body Connection

Examines the theory of Psychoneuroimmunology as the interrelationship of the body-mind connection and the impact of stress on health. Explores the physiological and psychological interaction between the central nervous system, the immune system, and the endocrine system and how they interact with each other to impact one's overall state of health in creating both illness and wellness. Introduces new fields of thought that are impacting views on health as well as medical education and training.

HHP 269 new course description: **Healing Presence**. Provides students the opportunity to fully examine the meaning of "presence" a quality of holistic self-giving exchange, through the process of increased self-awareness and self-discovery. The quality of presence can influence the patient's response to their disease or trauma. Students will also explore the development of essential skills for connecting on a higher level and creating sacred space with oneself and with others during the healing continuum as well as the through the dying process.

HIT 289 new course description: **Capstone Course**. Provides a demonstrated culmination of learning within a given program of study.

HPR 200 title update: **Advanced ECG Interpretations (2)**

HPR 208 title update: **Medical Record Terminology (2)**

New Course: HWE 103 Community First Aid and CPR (1)

Prepares the student for certification in CPR and Basic First Aid. Skills will include basic life support, airway obstruction, control of bleeding, shock, and patient care for the unconscious. 15 Contact Hours.

Interior Design:

The statement, "To enroll in IND 280 Internship, the student must have a GPA of 3.0 or approval from Nowell Vincent." has been moved from the IND AAS Degree to the Kitchen & Bath Design Certificate.

MAT 120, 121, 122, 125, 135, 166, 201, 202, 203, 204, 265

This statement has been deleted: "Equivalent testing score (e.g., ENG 121 or higher,) or enrollment in or completion of CCR 092 or CCR 093 or CCR 094. The CCR course or ENG 121 may be taken concurrently with this course"

MAT 135 Introduction to Statistics: New Prerequisites

MAT 050 or higher with a grade of "C" or better or appropriate diagnostic scores.

Medical Office Technology: Medical Assisting Program

"2015 FRCC Annual Report" link has been added to the opening introductory page of the MOT section.

MGD 143 new course description: **Motion Graphic Design I (Software)**. Stresses creation of animation and dynamic interactive media for web and multimedia applications to a professional standard. Students will learn how to develop projects for time-based media, key-frames, tweens and symbols. Students will learn how to use actions to trigger timeline events to create interactive behaviors.

MOT 125 Basic Medical Sciences I: Contact Hours should be 45.

MOT 133 Basic Medical Sciences II: Contact Hours should be 45.

Nursing AAS Degree - Nursing Advanced Placement Bridge

Program LPN to ADN. Content has been updated including: ELECTIVES: Select one course (3 credits) from Arts & Humanities (GT-AH1, GT-AH2, GT-AH3, or GT-AH4); Social & Behavioral Science (GT-SS1, GT-SS2, or GT-SS3) or History (GT-HI1). Please see the online catalog for the entire updated content.

NUA 101 Certified Nurse Aide Health Care Skills

Contact Hours have been changed to: 67.5

Continued on next page

NUA 170 Nurse Aide Clinical Experience

Contact Hours have been changed to: 22.5

PHT 170 and PHT 171

The following statement has been deleted from these two course descriptions: *"The course involves a total of 160 hours"*.

Precision Machining Technology title section has been changed to **Machining Technology**.

Precision Machining Technology - Certificates title section has been changed to **Machining Technology - Certificates**.

New Degree: Surgical Technology F_AAS_STE Westminster.

The Surgical Technologist is an integral member of the surgical team including the surgeon, anesthesiologist, and nurse to deliver patient care before, during and after surgery. Before an operation, surgical technologist helps prepare the operating room by setting up surgical instruments and equipment. During the surgery, technologist pass instruments and other sterile supplies to surgeons and assistants.

This four semester program develops the knowledge and skills for an entry level job as a Surgical Technologist. This is one of the fastest growing jobs in health care with a projected 15% job outlook in the next 10 years. The curriculum is in alignment with standards set forth by the Commission on Accreditation of Allied Health Education Professions (CAAHEP.org). Curriculum includes health sciences (anatomy, physiology, pathophysiology, pharmacology, anesthesia, medical terminology, microbiology), technological sciences (electricity, information technology and robotics), and patient care concepts (biopsychosocial needs of the patient, death and dying), and surgical technology equipment.

The surgical technologist can work in a variety of settings including hospitals, surgery departments, obstetric departments, and ambulatory surgery centers. The program is applying for accreditation with CAAHEP. Upon program accreditation, graduates will be eligible to sit for the National Certification Exam for Surgical Technology administer by the National Board of Surgical Technology and Surgical Assisting (NBSTSA) and upon passing, can practice under the title of Certified Surgical Technologist (CST).

New Courses: Surgical Technology

STE 100 Fundamentals of Surgical Technology (6)

Emphasizes the theoretical basis of surgical technology practice. 90 Contact Hours.

STE 101 Surgical Technology Skills Lab (4)

Provides the opportunity to learn and practice basic surgical technology skills. Prerequisite or Corequisite: STE 100. 120 Contact Hours.

STE 105 Pharmacology for the Surgical Technologist (2)

Covers basic surgical pharmacology including the metric system, pharmacology theory, surgical drugs, and aspects of anesthesia. Prerequisite or Corequisite: STE 100. 30 Contact Hours.

STE 110 Surgical Procedures I (3)

Reviews general, obstetric/gynecological and orthopedic surgical procedures. Includes a review of the equipment and supplies utilized during the pre-operative, intraoperative and post-operative phases of these procedures.

Prerequisite or Corequisite: STE 100. 67.5 Contact Hours.

STE 115 Surgical Procedures II (3)

Reviews plastic, otorhinolaryngocological, ophthalmologic, and urologic surgical procedures. Includes a review of the equipment and supplies utilized during the pre-operative, intra-operative and post-operative phases of these procedures.

Prerequisite: STE 110. 67.5 Contact Hours.

STE 120 Surgical Procedures III (3)

Reviews cardiac, peripheral vascular, neurosurgical and maxillofacial surgical procedures. Includes a review of the equipment and supplies utilized during the pre-operative, intraoperative and post-operative phases of these procedures.

Prerequisite: STE 110 and STE 215. 67.5 Contact Hours.

STE 179 Surgical Technical Seminar (2)

Allows Surgical Technology students to learn techniques helpful in passing the required national certification exam for surgical technology from the Association for Surgical Technologists.

Prerequisite: STE 120. 30 Contact Hours.

STE 181 Internship I (0.25 - 6)

Allows students to integrate theoretical concepts in a clinical surgical setting. Prerequisite: STE 120. 180 Contact Hours.

STE 182 Internship II (0.25 - 6)

Allows students to integrate advanced theoretical concepts in a clinical surgical setting. Prerequisite: STE 181. 180 Contact Hours.

STE 183 Internship III (0.25 - 6)

Allows students to integrate advanced theoretical concepts in a clinical surgical setting. Prerequisite: STE 182. 270 Contact Hours.

VET 134 Diagnostic Imaging

The Corequisite verbiage has been changed to: VET 205 can be taken concurrently with this course.

Changes since our last Addendum on May 24, 2016

CRJ 135 Judicial Function (3) Course description revised: Provides an overview of the structure and function of the dual American judicial system and the behavior of actors (judges/judges, lawyers, law clerks, interest groups, etc.) within the system. Emphasis is placed on the organization and administration of state and federal courts, criminal court procedures, juries, selection of judges, decision-making behavior of juries, judges and justices, and the implementation and impact of judicial policies.

CRJ 230 Criminology (3) Course description revised: Provides an introduction to the study of crime, understanding the causes of crime, and examines theoretical frameworks and theories to explain criminal behavior. Within a social context, consideration is given to how theories have emerged and understand how social context contributes to explanations of crime. Examination of the nature of crime, crime victimization, crime patterns, types of crime, crime statistics, and criminal behavior is also included.

CRJ 236 CRJ Research Methods (3) Course description revised: Provides an introduction to research methods in criminal justice. Addresses foundations of research, analysis of findings, and ethical issues in researching criminal justice issues. This course will use an interactive approach in basic research concepts and practices. Students will obtain a thorough understanding of how research is conducted and how practitioners can benefit from this knowledge. Additionally, students will develop research proposals, conduct appropriate reviews of previously published research, and write a final research study.

ECE 101 Introduction to Early Childhood Education (3)
Revised course description.

Provides an introduction to the profession of Early Childhood Education (ECE). Course content includes eight key areas of professional knowledge related to working with young children and their families in early care and education settings: child growth and development; health, nutrition and safety; developmentally appropriate practices; guidance; family and community relationships; diversity and inclusion; professionalism; and administration and supervision. This course addresses children ages birth through 8 years.

ECE 103 Guidance Strategies for Young Children (3)
Revised title and course description.

Explores guidance theories, applications, goals, and techniques, as well as factors that influence behavioral expectations of children. This course includes classroom management and pro-social skills development of young children in early childhood (EC) program settings. This course addresses children ages birth through 8 years.

ECE 205 ECE Nutrition, Health & Safety (3) Revised description. Focuses on nutrition, health, and safety as key factors for optimal growth and development of young children. This course includes nutrition knowledge, menu planning, food program participation, health practices, management and safety, appropriate activities, and communication with families for early childhood educators. This course addresses children ages birth through 12 years.

ECE 220 ECE Curriculum Development: Methods & Techniques (3)
Revised course description.

Provides an overview of early childhood curriculum development. This course includes processes for planning and implementing developmentally appropriate environments, materials, and experiences that represent best practices in early childhood (EC) program settings. This course addresses children ages birth through 8 years.

ECE 238 ECE Child Growth and Development (3)
Revised course description.

Covers the growth and development of the child from conception through the elementary school years. This course emphasizes physical, cognitive, language, social, and emotional domains of development as they pertain to the concept of the whole child. It also includes ways adults can provide a supportive early childhood care and educational environment through teamwork and collaboration.

ECE 240 Admin. of Early Childhood Care & Education Programs (3)
Revised course description.

Provides foundational knowledge in early childhood program business operations, program development, and evaluation. This course covers administrative skills, ethical decision making, risk and resource management, and components of quality Early Childhood Education (ECE) programs serving children ages birth through 12 years.

ECE 241 Admin: Human Relations for Early Childhood Education (3)
Revised course description. Focuses on the human relations component of an early childhood professional's responsibilities. This course includes director-staff relationships, staff development, leadership strategies, family-professional partnerships, and community interaction.

ECE 256 Working with Parents, Families, & Community Systems (3)

Revised title and course description. Examines personal attitudes regarding families, family values systems, and how personal attitudes affect parent-professional partnerships in the early childhood education program. This course covers communication, problem-solving, and conflict resolution strategies. Effective activities and resources to support family involvement in the classroom will be created. This course addresses children ages birth through 8 years.

ECE 260 The Exceptional Child (3)

Revised course description. Presents an overview of critical elements related to educating young children with disabilities or special needs in the early childhood setting. Topics include: typical and atypical development; legal requirements; research-based practices related to inclusion; teaming and collaboration; and accommodations and adaptations. This course examines how a disability or special need may impact a young child's learning process. This course addresses children ages birth through 8 years.

Early Childhood Education - Associate Degree with Designation title, code, and four-year participating institutions have been updated: Early Childhood Teacher Education, F_AA_AA_ECTD, and updated listing of participating institutions.

- Adams State University [B.A. Interdisciplinary Studies with Elem. Ed. Licensure]
- Colorado State University [B.S. Early Childhood Education]
- Fort Lewis College [B.A. Early Childhood Education]
- Metropolitan State University of Denver [B.A. Early Childhood Education]
- University of Colorado Denver [B.A. Teaching, Learning, and Development Early Childhood]
- University of Northern Colorado [B.A. Early Childhood Teacher Education (Birth – Grade 3)]

Elementary Education - Associate Degree with Designation title, code, and four-year participating institutions have been updated: Elementary Teacher Education, F_AA_AA_EMTD, and updated listing of participating institutions.

- Adams State University (B.A. Interdisciplinary Studies)
- Colorado Mesa University (B.A. Liberal Arts)
- Colorado Mountain College (B.A. Interdisciplinary Studies)
- Colorado State University-Pueblo (B.S. Liberal Studies)
- Fort Lewis College (B.A. Elementary Education)
- Metropolitan State University of Denver (B.A. Human Development; B.A. Elementary Education)
- University of Colorado Boulder (B.A. History)
- University of Colorado Colorado Springs (B.A. Inclusive Elementary Education, B.A. Biology, B.A. English Literature, B.A. Geography & Environmental Studies, B.A. History or B.A. Spanish)
- University of Colorado Denver (B.A. Individually Structured Major, Elementary Education emphasis; B.A. Education and Human Development – Elementary Education)
- University of Northern Colorado (B.A. Elementary Education)
- Western State Colorado University (B.A. Elementary Education, CLD emphasis)

ENGLISH Degree with Designation

Arts and Humanities Requirements, please update the “Note” to read: *(NOTE: GT-AH2 Literature (LIT) courses will NOT be accepted to fulfill this requirement).*

ENG 121 English Composition I (3)

Prerequisites have been revised:

Equivalent testing score or completion of CCR 092 or CCR 093 or CCR 094. CCR 094 may be taken concurrently with this course.

FER 280 Internship (1-3) New Course.

Provides students with the opportunity to supplement course-work 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. 45 Contact Hours per credit.

Geographic Information Systems Code Updates

Foundations of Geographic Information Systems: F_CER_GEO5

Advanced Geographic Information Systems: F_CER_GEO4

HIT 268 has been removed from the catalog.

IPP 225 English to ASL Interpreting (3) Course description revised: Provides the student an opportunity to develop consecutive and simultaneous interpreting skills, working from spoken English to American Sign Language.

IPP 227 ASL to English Interpreting (3) Course description revised: Provides the student an opportunity to develop consecutive and simultaneous interpreting skills, working from American Sign Language to spoken English.

IPP 235 Advanced Interpreting (4) Course description revised: Provides the student an opportunity to refine skills in ASL/English interpretation and transliteration.

Legal Notices: Your Right to Know:

FRCC Civil Rights Grievance & Investigation Process

Who to Report to: All other grievances where the complainant is a student(s) and the basis of the complaint is not discrimination and/or harassment based on federal or state civil rights laws will be addressed pursuant to SP 4-31: <https://www.cccs.edu/wp-content/uploads/2013/09/SP4-31.pdf> (updated pdf link).

MAC 234 Rapid Prototyping (3) New Course.

Applies rapid prototyping in the design and manufacturing of injection molded plastic parts. 3D CAD software, a 3D printer, and a CNC mill are utilized to design, prototype and mill a quick turn tool, which is then used to produce injection-molded plastic parts. It is highly recommended the following courses should be taken prior to enrolling in MAC 234, CAD 255 Solid works, CAD 262 3D Printing and MAC 205 intro to CNC Milling Operations.

Massage Therapy Certificate

Required Prerequisite Courses:

HPR 116 should say **HHP 116** Intro. to Massage Techniques I (1)

Patient Care Technician: Health Care Customer Service Basics Certif.

This certificate is now offered at Brighton Center, Larimer Campus, Loveland, Westminster Campus and Online Learning.

PHT 112 Pharmacy Law (2)

Added: Prerequisite: PHT 111 may be taken concurrently.

PHT 117 Communication & Professionalism for Pharmacy Technicians (1) Revised title and course description.

Provides fundamental components of theoretical and applied aspects of personal and interpersonal communication related to pharmacy practice. Theoretical aspects include such topics as communication perceptions and barriers, listening, responding, assertiveness and non-verbal communication. Applied aspects include such techniques as role-playing, group discussion and interviewing. This course also examines the methods and practice of interviewing with respect to the roles and functions of both interviewee and interviewer.

PHT 235 Pharmaceutical Calculations & Compounding Techniques (4) Revised title and course description.

Develops the skills necessary to perform calculations essential to the duties of pharmacy technicians in a variety of contemporary settings. This course also applies these skills in hands-on compounding of pharmaceutical products emphasizing the importance of accuracy, quality and infection control.

Continued on next page

Changes since our last Addendum on July 15, 2016

Degrees with Designation Math Requirements have recently changed:

Anthropology A.A.

One GT Pathways course (GT-MA1), prefer MAT 135 Introduction to Statistics, except:

- University of Colorado Denver requires either MAT 135 Introduction to Statistics or MAT 121 College Algebra
- Western State Colorado University requires MAT 121 College Algebra

Criminal Justice A.A.

One GT Pathways course (GT-MA1), prefer MAT 135 Introduction to Statistics, except:

- Colorado Mesa University requires either MAT 120 Mathematics for the Liberal Arts or MAT 121 College Algebra
- University of Northern Colorado requires MAT 135 Introduction to Statistics

Geography A.A.

One GT Pathways course (GT-MA1), prefer MAT 135 Introduction to Statistics, except:

- Adams State University requires MAT 121 College Algebra
- Metropolitan State University Denver requires either MAT 135 Introduction to Statistics or MAT 121 College Algebra
- University of Colorado Denver requires either MAT 121 College Algebra or MAT 135 Introduction to Statistics

Psychology A.A.

One GT Pathways course (GT-MA1), prefer MAT 135 Introduction to Statistics, except:

- Colorado Mesa University requires either MAT 120 Mathematics for the Liberal Arts or MAT 121 College Algebra
- Colorado State University Pueblo prefers MAT 121 College Algebra
- Fort Lewis College requires MAT 135 Introduction to Statistics
- University of Colorado Boulder requires MAT 121 College Algebra or higher
- University of Colorado Colorado Springs requires MAT 121 College Algebra
- Western State Colorado University requires MAT 121 College Algebra

Sociology A.A.

One GT Pathways course (GT-MA1), prefer MAT 135 Introduction to Statistics, except:

- Adams State University prefers MAT 121 College Algebra
- Colorado Mesa University requires either MAT 120 Mathematics for the Liberal Arts or MAT 121 College Algebra
- University of Colorado Denver requires MAT 121 College Algebra or MAT 123 Finite Mathematics or MAT 135 Introduction to Statistics
- Western State Colorado University requires MAT 120 Mathematics for the Liberal Arts or MAT 121 College Algebra

BIO 208 General College Microbiology with Lab (5)

BIO 111 is no longer a prerequisite. However, we have added:
Recommended Preparation: BIO 105 or BIO 111.