

WCCC Curriculum Committee
Meeting Minutes
October 20, 2020
Teams

Members Present: Wayne Smith; Joe Quesenberry, Michael Carsten, Karrie Stanfill, Jason Roberson

Members Absent: Denise McKenney, McVean, Carrie

Ex-officio members present: Morgan Bridge, Aaron Osborne, Christi Hein, Maggie Bodyfelt, Janel Davis, Laureen Cantwell, Brigitte Sundermann.

Guests: Alison Vogel, Pam Holder, Chris McCoy

Recording Secretary: Bonnie Aman

Chair Smith called the meeting to order at 3:31 pm.

I. Announcements

- A. WCCC Curriculum Committee: Important Dates and Deadlines for Academic Year 2020-2021
- B. Minor Changes Workflow handout
- C. 4-16-20 UCC Proposed Curriculum Handbook-Reserved Numbers handout
- D. SLO Focus
- E. Essential Learning Requirements

II. Curriculum Proposals

(A) Fire Science

Course Addition

- 1. [FSTR 100: Fire Fighter I](#)
- 2. [FSTR 101: Fire Fighter II](#)
- 3. [FSTR 102: Principles of Emergency Service Suppression](#)
- 4. [FSTR 103: Fire Behavior and Combustion](#)
- 5. [FSTR 105: Building Construction for Fire Protection](#)
- 6. [FSTR 106: Fire Prevention](#)
- 7. [FSTR 107: Hazardous Materials Operations Level I](#)
- 8. [FSTR 109: Occupational Safety and Health for Fire](#)
- 9. [FSTR 151: Driver-Operator](#)
- 10. [FSTR 201: Instructional Methodology](#)

11. [FSTR 202: Strategy and Tactics](#)
12. [FSTR 203: Fire Hydraulics and Water Supply](#)
13. [FSTR 204: Principles of Code Enforcement](#)
14. [FSTR 205: Fire Investigation I](#)
15. [FSTR 206: Fire Officer Supervision and Leadership](#)
16. [FSTR 209: Fire Protection Systems](#)
17. [FSTR 252: Fire Investigation II](#)

Motion: To approve the Fire Science courses: FSTR 100: Fire Fighter 1, FSTR 101: Fire Fighter II, FSTR 102: Principles of Emergency Service Suppression, FSTR 103: Fire Behavior and Combustion, FSTR 105: Building Construction for Fire Protection, FSTR 106: Fire Prevention, FSTR 107: Hazardous Materials Operations Level 1, FSTR 109: Occupational Safety and Health for Fire, FSTR 151: Driver-Operator, FSTR 201: Instructional Methodology, FSTR 202: Strategy and Tactics, FSTR 203: Fire Hydraulics and Water Supply, FSTR 204: Principles of Code Enforcement, FSTR 205: Fire Investigation I, FSTR 206: Fire Officer Supervision and Leadership, FSTR 209: Fire Protection Systems, FSTR 252: Fire Investigation II for the Fire Science Program. (Carsten/Quesenberry) No Discussion. The committee voted unanimously to approve the Fire Science courses for the Fire Science Program.

Program Addition

18. Fire Science Technology (AAS)

Motion: To approve the Fire Science Technology (AAS). (Quesenberry/Carsten) No Discussion. The committee voted unanimously to approve the Fire Science Technology AAS.

(B) Pharmacy Tech

Course Addition

19. [PHTE 111: Introduction to Pharmacy](#)
20. [PHTE 112: Pharmacy Law and Ethics](#)
21. [PHTE 114: Computer Skills for Pharmacy Technicians](#)
22. [PHTE 115: Pharmacology I](#)
23. [PHTE 116: Institutional Pharmacy](#)
24. [PHTE 118: Pharmacology II](#)
25. [PHTE 119: Community Pharmacy](#)
26. [PHTE 170: Pharmacy Clinical: Institutional](#)
27. [PHTE 171: Pharmacy Clinical: Community](#)
28. [PHTE 189: Review for PTCB National Exam](#)

29. [PHTE 235: Calculations and Compounding Techniques](#)
30. [PHTE 250: Sterile Compounding and Aseptic Technique](#)
31. [PHTE 255: Advanced Practice and Nontraditional Roles](#)

Motion: To approve the Pharmacy Technology courses: PHTE 111: Introduction to Pharmacy; PHTE 112: Pharmacy Law and Ethics; PHTE 114: Computer Skills for Pharmacy Technicians; PHTE 115: Pharmacology I; PHTE 116: Institutional Pharmacy; PHTE 118: Pharmacology II; PHTE 119: Community Pharmacy; PHTE 170: Pharmacy Clinical: Institutional; PHTE 171: Pharmacy Clinical: Community; PHTE 189: Review for PTCB National Exam; PHTE 235: Calculations and Compounding Techniques; PHTE 250: Sterile Compounding and Aseptic Technique for the Pharmacy Technician Program. (Stanfill/Quesenberry) No Discussion. The committee voted unanimously to approve all proposed courses for the Pharmacy Technician Program.

Program Addition

32. Pharmacy Technician Program (AAS)

Motion: To approve the Associate of Applied Science degree for the Pharmacy Technician Program. (Stanfill/Carsten) No Discussion. The committee voted unanimously to approve the Pharmacy Technician (AAS).

Motion to Adjourn: Chair Smith motioned to adjourn at 3:52 pm. All Agreed.

Effective Term **Fall 2021**
Courses

Proposal	Committee Action	Members Motion/Second
FSTR 100: Fire Fighter I	Approved	Carsten/Quesenberry

WCCC Discssion: Based upon input from the EMS Advisory Board, the feasibility study, WCCC administration supported this proposal as of Spring 2020.

Change Item Description	Department Justification
New Course	This course serves as the Fire Academy which is required for employment in the Fire industry and contains the pertinent information required for NFPA Firefighter I certification.

Courses

Proposal	Committee Action	Members Motion/Second
FSTR 101: Fire Fighter II	Approved	Carsten/Quesenberry

WCCC Discssion: Based upon input from the EMS Advisory Board and the feasibility study, WCCC administration supported this proposal Spring 2020.

Change Item Description	Department Justification
New Course	This course meets the requirements necessary to perform at the second level of progression as identified in the National Fire Protection Association (NFPA) 1001. Students will be able to test for the Firefighter II certification.

Courses

Proposal	Committee Action	Members Motion/Second
FSTR 102: Principles of Emergency Service Suppression	Approved	Carsten/Quesenberry

WCCC Discssion: Based upon input from the EMS Advisory Board and the feasibility study, WCCC administration supported this proposal as of Spring 2020.

Change Item Description	Department Justification
New Course	This course introduces the student to the basic essentials of firefighting as required by the National Fire Protection Association (NFPA) 1001. Fire department First Responders are required to have training in emergency medical care, infection control practices, CPR and patient assessment.

Courses

Proposal	Committee Action	Members Motion/Second
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FSTR 103: Fire Behavior and Combustion

WCCC Discssion: Based upon input from the EMS Advisory Board and the feasibility study, WCCC administration supported this proposal as of Spring 2020.

Change Item Description

Department Justification

New Course

This course provides the essential learning knowledge and skills for a competent firefighter. The fire science student shall be able to explain the science of fire behavior as it relates to recognizing stages of fire development, rapid fire behavior, and firefighting operational safety.

Courses

Proposal	Committee Action	Members Motion/Second
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FSTR 105: Building Construction for Fire Protection

Approved

Carsten/Quesenberry

WCCC Discssion: Based upon input from the EMS Advisory Board and the feasibility study, WCCC administration supported this proposal as of Spring 2020.

Change Item Description

Department Justification

New Course

This course meets the requirement for the fire fighter to be able to address the importance of understanding building construction and how it relates to firefighter and public safety.

Courses

Proposal	Committee Action	Members Motion/Second
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FSTR 106: Fire Prevention

Approved

Carsten/Quesenberry

WCCC Discssion: Based upon input from the EMS Advisory Board and the feasibility study, WCCC administration supported this proposal as of Spring 2020.

Change Item Description

Department Justification

New Course

Firefighters are required to have a basic understanding of fire prevention, fire codes, fire investigation and public education.

Courses

Proposal	Committee Action	Members Motion/Second
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FSTR 107: Hazardous Materials Operations Level 1

Approved

Carsten/Quesenberry

WCCC Discssion: Based upon input from the EMS Advisory Board and the feasibility study, WCCC administration supported

this proposal as of Spring 2020.

Change Item Description

Department Justification

New Course

This course will provide the student with the information necessary to test for a HAZMAT Operations level certification.

Courses

Proposal	Committee Action	Members Motion/Second
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FSTR 109: Occupational Safety and Health for Fire

Approved

Carsten/Quesenberry

WCCC Discssion: Based upon input from the EMS Advisory Board and the feasibility study, WCCC administration supported this proposal as of Spring 2020.

Change Item Description

Department Justification

New Course

Fire and emergency responder safety is a primary responsibility of all emergency services organizations and responders. This course meets the NFPA 1500 requirements for Occupational Safety & Health.

Courses

Proposal	Committee Action	Members Motion/Second
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FSTR 151: Driver-Operator

Approved

Carsten/Quesenberry

WCCC Discssion: Based upon input from the EMS Advisory Board and the feasibility study, WCCC administration supported this proposal as of Spring 2020.

Change Item Description

Department Justification

New Course

This course provides the information necessary for fire fighters to acquire training as driver/operators of fire apparatus. Includes inspection and maintenance and safety in operating emergency vehicles.

Courses

Proposal	Committee Action	Members Motion/Second
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FSTR 201: Instructional Methodology

Approved

Carsten/Quesenberry

WCCC Discssion: Based upon input from the EMS Advisory Board and the feasibility study, WCCC administration supported this proposal as of Spring 2020.

Change Item Description

Department Justification

New Course

A safe and effective fire service must have capable instructors delivering effective training. This course meets the NFPA standards for fire professionals to go onto a Fire Instructor certification.

Courses

Proposal	Committee Action	Members Motion/Second
FSTR 202: Strategy and Tactics	Approved	Carsten/Quesenberry

WCCC Discssion: Based upon input from the EMS Advisory Board and the feasibility study, WCCC administration supported this proposal as of Spring 2020.

Change Item Description	Department Justification
New Course	A safe and effective fire service must have capable instructors delivering effective training. This course meets the NFPA standards for fire professionals to go onto a Fire Instructor certification.

Courses

Proposal	Committee Action	Members Motion/Second
FSTR 203: Fire Hydraulics and Water Supply	Approved	Carsten/Quesenberry

WCCC Discssion: Based upon input from the EMS Advisory Board and the feasibility study, WCCC administration supported this proposal as of Spring 2020.

Change Item Description	Department Justification
New Course	Fire students must have the ability to identify a sufficient water supply source and use it effectively to control a fire. This course will provide students with the necessary knowledge and training to provide adequate water supplies to a scene.

Courses

Proposal	Committee Action	Members Motion/Second
FSTR 204: Principles of Code Enforcement	Approved	Carsten/Quesenberry

WCCC Discssion: Based upon input from the EMS Advisory Board and the feasibility study, WCCC administration supported this proposal as of Spring 2020.

Change Item Description	Department Justification
New Course	This course provides the necessary information and training for fire personnel and civilian inspectors on fire codes and standards for structural components in construction and renovations.

Courses

Proposal	Committee Action	Members Motion/Second
FSTR 205: Fire Investigation I	Approved	Carsten/Quesenberry

WCCC Discssion: Based upon input from the EMS Advisory Board and the feasibility study, WCCC administration supported this proposal as of Spring 2020.

Change Item Description	Department Justification
New Course	This course provides the firefighter with the required training on fire prevention methods for comprehensive risk reduction strategies and methods in community coalition building to solve present-day risk challenges.

Courses

Proposal	Committee Action	Members Motion/Second
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FSTR 206: Fire Officer Supervision and Leadership	Approved	Carsten/Quesenberry
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WCCC Discssion: Based upon input from the EMS Advisory Board, the feasibility study, WCCC administration supported this proposal as of Spring 2020.

Change Item Description	Department Justification
New Course	This course is specific for those who want to function as an officer or in any leadership role. Students wishing to move to an officer position shall be able to discuss concepts of leadership and supervision.

Courses

Proposal	Committee Action	Members Motion/Second
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FSTR 209: Fire Protection Systems	Approved	Carsten/Quesenberry
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WCCC Discssion: Based upon input from the EMS Advisory Board and the feasibility study, WCCC administration supported this proposal as of Spring 2020.

Change Item Description	Department Justification
New Course	This course addresses the requirements necessary to perform at the second level of progression as identified in the National Fire Protection Association (NFPA) 1001. Students must be able to understand the components and classifications of various fire suppression and detection systems.

Courses

Proposal	Committee Action	Members Motion/Second
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FRST 252: Fire Investigation II for the Fire Science Program	Approved	Carsten/Quesenberry
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WCCC Discssion: Based upon input from the EMS Advisory Board and the feasibility study, WCCC administration supported this proposal as of Spring 2020.

Change Item Description	Department Justification
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New Course

This course is necessary for the firefighter who wants to prepare for certification to the NFPA 1033 Standards for Professional Qualifications for Fire Investigator.

Programs

Proposal	Committee Action	Members Motion/Second
Fire Science Technology (AAS)	Approved	Quesenberry/Carsten

WCCC Discssion: After discussions with the Advisory Board, the completion of the Feasibility study and the approval of WCCC Administration, faculty moved forward with the curriculum proposal Spring 2020.

Change Item Description

Department Justification

New Program

1. Job Outlook per the US Bureau of Labor and Statistics
 Employment of firefighters is projected to grow 5 percent from 2018 to 2028, about as fast as the average for all occupations.
 Although improved building materials and building codes have resulted in a long-term decrease in fires and fire fatalities, firefighters will still be needed to respond to fires. Fires can spread rapidly, so controlling them quickly is very important. Wildland firefighters will still be needed to combat active fires and manage the environment to reduce the impact of fires. Firefighters will also continue to respond to medical emergencies.

Trained firefighters operate in a complex, dangerous, and dynamic environment as demonstrated by over 100 fatalities and 3,000 serious injuries annually. Firefighter training is the single most important factor that prepares them to meet the challenges of the situations and environments in which they work. The delivery of safe and effective fire and emergency medical services is therefore, clearly dependent on a well-trained response force. The International Fire Service Training Association (IFSTA) states that regardless of the particular system used, an effective training program will include: (1) the continuous education and training of all levels of personnel in the organization; (2) a master outline or plan; (3) a degree as required. A Fire Science degree will help implement these requirements onto fire agencies by educating our graduates in these areas.

The feasibility study that was conducted and the letters of support also pointed to the employer demand and need for this program locally. Please see attached feasibility study and support letters for more detail.

2. Job prospects for firefighters will be good despite the number of volunteer firefighters that qualify for career firefighter jobs. There will be positions open from those leaving the occupation.

Physically fit applicants with some postsecondary firefighter education and paramedic training should have the best job prospects. Survey data collected by Western Colorado Community College shows that all of the fire agencies within Mesa County and its surrounding areas were in favor of, and would support, a fire science degree offered at WCCC. 91.7% of respondents plan to expand their workforce within the next 5 years and 60.9% of respondents reported difficulty finding qualified, knowledgeable, competent firefighters who have earned a degree. The projected growth of the Grand Junction Fire department has been a growing discussion. The Grand Junction City Manager, Mr. Caton, says that construction of three new fire stations is expected to begin soon, and those stations will need to be staffed. \$6.3 million of the tax dollars will be set aside each year to fund 60 new positions at the department. Caton says efforts at constructing a new Station No. 6 has already begun.

Modern emergency service agencies, including fire departments, are becoming more dependent upon technology to assist them in meeting their responsibilities and service demands. These technologies begin with the telephone communications system within the jurisdiction. Emergency (and some non-emergency) calls for service are typically routed through a community 9-1-1 system. Today's firefighters must be able to enter patient care reports into electronic reporting programs. WCCC can offer its Fire Science students education and training in this technology. Graduates from this program will have received IT training to help create a smooth transition into this technology driven workforce.

Courses

Proposal	Committee Action	Members Motion/Second
PHTE 111: Introduction to Pharmacy	Approved	Stanfill/Quesenberry

WCCC Discssion: Based upon the feasibility study, the changing state laws, and advisory board survey, the WCCC Health Sciences faculty moved forward with the proposal. The WCCC administration approved proposing the program in Spring 2020.

Change Item Description

Department Justification

New Course

The Introduction to Pharmacy course is a survey of the profession of pharmacy including its history, evolving scope of practice, ethical foundations, regulation, educational and career opportunities.

Courses

Proposal	Committee Action	Members Motion/Second
PHTE 112: Pharmacy Law and Ethics	Approved	Stanfill/Quesenberry

WCCC Discssion: Based upon the feasibility study, the changing state laws, and advisory board survey, the WCCC Health

Sciences faculty moved forward with the proposal. The WCCC administration approved proposing the program in Spring 2020.

Change Item Description	Department Justification
New Course	Many federal and state laws govern the practice of pharmacy, and these laws are constantly changing. It is important for pharmacy professionals to familiarize themselves with both federal and state regulations governing their daily responsibilities in the pharmacy, and keep up to date on new laws as well as amendments to existing laws.

Courses

Proposal	Committee Action	Members Motion/Second
PHTE 114: Computer Skills for Pharmacy Technicians	Approved	Stanfill/Quesenberry

WCCC Discssion: Based upon the feasibility study, the changing state laws, and advisory board survey, the WCCC Health Sciences faculty moved forward with the proposal. The WCCC administration approved proposing the program in Spring 2020.

Change Item Description	Department Justification
New Course	In the course of performing pharmacy technician duties a few different computer systems may come into play. There is a computer system that helps count the pills to make sure the right amount is included in each prescription. The pharmacy technician will use an interface to input customer data and file insurance claims. Being computer literate and able to learn new computer programs is an integral skill for any pharmacy technician

Courses

Proposal	Committee Action	Members Motion/Second
PHTE 115: Pharmacology I	Approved	Stanfill/Quesenberry

WCCC Discssion: Based upon the feasibility study, the changing state laws, and advisory board survey, the WCCC Health Sciences faculty moved forward with the proposal. The WCCC administration approved proposing the program in Spring 2020.

Change Item Description	Department Justification
New Course	For a student in applied sciences like pharmacy, there are many benefits to studying pharmacology. In detailing the functions of drugs, it touches on many other disciplines to develop a full understanding of the body's role in processing and reacting to them. It can be said that a study of pharmacology helps to explain the body's structure on a microscopic level, drilling down to its anatomical (structural) and physiological (functional) makeup.

Courses

Proposal	Committee Action	Members Motion/Second
	Approved	Stanfill/Quesenberry

PHTE 116: Institutional Pharmacy

WCCC Discssion: Based upon the feasibility study, the changing state laws, and advisory board survey, the WCCC Health Sciences faculty moved forward with the proposal. The WCCC administration approved proposing the program in Spring 2020.

Change Item Description**Department Justification**

New Course

It is essential that pharmacy technicians are properly educated in the field of institutional pharmacy. One of the primary reasons is that the range of drugs dispensed is much broader in hospitals. Technicians may also dispense parenteral drugs, biological agents, and potentially hazardous chemotherapy medications. Institutional pharmacy technicians play a key role in preparing and delivering the right drug to the right patient at the right time.

Courses

Proposal	Committee Action	Members Motion/Second
	Approved	Stanfill/Quesenberry

PHTE 118: Pharmacology II

WCCC Discssion: Based upon the feasibility study, the changing state laws, and advisory board survey, the WCCC Health Sciences faculty moved forward with the proposal. The WCCC administration approved proposing the program in Spring 2020.

Change Item Description**Department Justification**

New Course

The pharmacy technician can frequently apply knowledge of pharmacology on the job. Familiarity with the physical and chemical properties of a drug contributes to the ability to choose the right way to handle and prepare it for use by a physician or patient.

Courses

Proposal	Committee Action	Members Motion/Second
	Approved	Stanfill/Quesenberry

PHTE 119: Community Pharmacy

WCCC Discssion: Based upon the feasibility study, the changing state laws, and advisory board survey, the WCCC Health Sciences faculty moved forward with the proposal. The WCCC administration approved proposing the program in Spring 2020.

Change Item Description**Department Justification**

Community pharmacies are healthcare settings where prescribed medications are frequently dispensed to patients. Pharmacy technicians can receive traditional and electronic prescriptions, review for accuracy, prepare orders, package and label medicine, assist patients and maintain patient records. Community pharmacy technicians use a variety of strategies to review prescriptions and to help ensure that any medication errors are identified and resolved.

New Course

Courses

Proposal	Committee Action	Members Motion/Second
PHTE 170: Pharmacy Clinical: Institutional	Approved	Stanfill/Quesenberry

**PHTE 170: Pharmacy
Clinical: Institutional**

Approved

**Members Motion/Second
Stanfill/Quesenberry**

WCCC Discssion: Based upon the feasibility study, the changing state laws, and advisory board survey, the WCCC Health Sciences faculty moved forward with the proposal. The WCCC administration approved proposing the program in Spring 2020.

Change Item Description

Department Justification

An institutional pharmacy internship provides students with hands-on experience in hospital pharmacy. It serves as a supplement to formal training. The daily interaction with pharmacists, pharmacy technicians, doctors, and other interns provides you with a challenging environment to grow in the field of pharmacy.

New Course

Courses

Proposal	Committee Action	Members Motion/Second
PHTE 171: Pharmacy Clinical: Community	Approved	Stanfill/Quesenberry

**PHTE 171: Pharmacy
Clinical: Community**

Approved

**Members Motion/Second
Stanfill/Quesenberry**

WCCC Discssion: Based upon the feasibility study, the changing state laws, and advisory board survey, the WCCC Health Sciences faculty moved forward with the proposal. The WCCC administration approved proposing the program in Spring 2020.

Change Item Description

Department Justification

A community pharmacy internship provides students with hands-on experience in retail pharmacy. It serves as a supplement to formal training. The daily interaction with patients, pharmacists, pharmacy technicians, and other interns provides you with a challenging environment to grow in the field of pharmacy.

New Course

Courses

Proposal	Committee Action	Members Motion/Second
PHTE 189: Review for PTCB National Exam	Approved	Stanfill/Quesenberry

**PHTE 189: Review for
PTCB National Exam**

Approved

**Members Motion/Second
Stanfill/Quesenberry**

WCCC Discssion: Based upon the feasibility study, the changing state laws, and advisory board survey, the WCCC Health

Sciences faculty moved forward with the proposal. The WCCC administration approved proposing the program in Spring 2020.

Change Item Description	Department Justification
New Course	Pharmacy technicians are required to sit for, and pass, the National Pharmacy Technician Certification Exam provided by PTCB (Pharmacy Technician Certification Board) in order to qualify for employment, as well as a Colorado license to practice. PTCB exam prep increases the chances that students will successfully pass this exam on their first attempt. Methods of preparation will include PTCB practice exams, test questions, flashcards, and tutorials.

Courses

Proposal	Committee Action	Members Motion/Second
PHTE 235: Calculations and Compounding Techniques	Approved	Stanfill/Quesenberry

WCCC Discssion: Based upon the feasibility study, the changing state laws, and advisory board survey, the WCCC Health Sciences faculty moved forward with the proposal. The WCCC administration approved proposing the program in Spring 2020.

Change Item Description	Department Justification
New Course	The purpose of pharmaceutical calculations is to allow the technician to prepare pharmaceutical dosage forms for their patients accurately. There exists a need for every technician to be competent in these calculations for the patient's care and safety. The pharmacy is responsible for compounding preparations of acceptable strength, quality, and purity, with appropriate packaging and labeling in accordance with good pharmacy practices, state and federal laws, official standards, and current scientific principles.

Courses

Proposal	Committee Action	Members Motion/Second
PHTE 250: Sterile Compounding and Aseptic Technique for the Pharmacy Technician Program	Approved	Stanfill/Quesenberry

WCCC Discssion: Based upon the feasibility study, the changing state laws, and advisory board survey, the WCCC Health Sciences faculty moved forward with the proposal. The WCCC administration approved proposing the program in Spring 2020.

Change Item Description	Department Justification
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New Course

This course covers pharmacy technician roles and responsibilities, competencies, practical testing requirements in the form of health and hygiene, garbing, media-fill challenge testing, fingertip touch testing, aseptic techniques, hazard communication and medical surveillance programs. It encompasses the management, maintenance, monitoring, calibration, decontamination and disinfection protocols, and environmental testing requirements that help to ensure chemical safe handling, inventory and storage, technology utilization, waste management, and facility and preparation sterility.

Courses

Proposal	Committee Action	Members Motion/Second
PHTE 255: Advanced Practice and Nontraditional Roles	Approved	Stanfill/Quesenberry

WCCC Discssion: Based upon the feasibility study, the changing state laws, and advisory board survey, the WCCC Health Sciences faculty moved forward with the proposal. The WCCC administration approved proposing the program in Spring 2020.

Change Item Description

Department Justification

New Course

The term advanced pharmacy technician is used to distinguish technicians adopting new and innovative roles from traditional technician practice. Technicians must adopt advanced roles to satisfy the current and future needs of pharmacy practice. Pharmacy technicians can undertake operational roles, including medication distribution, use of technology and automation, project management, quality improvement, supervisory roles, as well as certain clinical roles, such as administering vaccinations.

Programs

Proposal	Committee Action	Members Motion/Second
Pharmacy Technician Program (AAS)	Approved	Stanfill/Carsten

WCCC Discssion: Upon completion of the feasibility study, recommendations by the Advisory Board and support of the WCCC Health Sciences Faculty, the curriculum program proposal was presented to WCCC Administration. All approved Spring 2020.

Change Item Description

Department Justification

New Program

1. A survey sent to area Pharmacies revealed 44% of respondents plan to expand their workforce in the next 3 years and 100% of respondents reported difficulty finding qualified, knowledgeable, competent pharmacy technicians, with further responses underscoring a pharmacy technician need in our community. There are no schools on the Western Slope offering this program, with the nearest schools being in the Denver-Metro area. As the U.S population ages, there is an increased demand for prescription medications that will lead to more demand for pharmaceutical services. Higher rates of chronic diseases such as diabetes among all age groups will also lead to an increased demand in prescription medications. Market demand is favorable with a 7% increase nationally and a 25.6% increase in jobs regionally by 2026, per the US Bureau of Labor Statistics. In other words, the employment of pharmacy technicians is projected to grow faster than the average for all occupations from 2016 to 2026. Additionally, the program would offer Pharmacy Technician Program students the next step on the career ladder in Pharmaceutical Sciences. ASHP (American Society of Health-System Pharmacists) accredits pharmacy technician programs and has established standards to ensure the quality of the educational experience and the assessment of student knowledge and skills; the design and implementation of WCCC's Pharmacy Technician Program would align to these standards.

Participants of the survey included nine local pharmacies within Mesa County, Delta County, Montrose County, and Garfield County representing the following: Canyon View Pharmacy, City Market, Community Hospital, Grand Junction VA Medical Center Pharmacy, Grand River Health, Grand River Hospital, Montrose Memorial Hospital, Walgreens, and Western Colorado Specialty Pharmacy

2. The United States Bureau of Labor Statistics predicts the number of jobs for Pharmacy Technicians is projected to grow 7% from 2018 to 2028, which indicates an employment increase of 31,500 jobs nationally. From projectionscentral.com, the State Occupational Projections for Pharmacy Technicians shows a 36.5% increase in jobs in Colorado from 2016 to 2026.

Employment 5,610

Employment Employment RSE (relative standard error) 3.7%

Employment per 1,000 jobs 2.141

Median Hourly Wage \$17.35

Mean Hourly Wage \$17.73

Annual Mean Wage \$36,880

Wage RSE (relative standard error) 1.3%

From the May 2018 Metropolitan and Nonmetropolitan Area Occupational Employment and Wage Estimates Grand Junction, CO per

https://www.bls.gov/oes/current/oes_24300.htm#29-0000