HOUSTON COMMUNITY COLLEGE
Coleman College for Health Sciences
Pharmacy Technician Program

Pharmacy IV Admixture Training
Pharmacy Technicians

Day and Time of class: Saturday & Sunday: 8am – 8pm

Dates:  
Saturday: 03/05/2016  
Sunday: 03/06/2016

Instructor’s Name: Christopher V. Bui, Pharm.D.  
Ericka Columbus, Pharm.D.

School Site: Coleman College – McGovern Campus  
2450 Holcombe Blvd, Suite #3. Houston, TX 77021  
Room 3-18

Phone number & Email: 713-718-7353 & Christopher.Bui@coramhc.com or Christopher.Bui@hccs.edu

Day and Time of Computer Based Exam: 03/19/16 from 8am to 12pm

Student is required to return to HCC to take computer based exam.
Pharmacy IV Admixture

Identify and utilize the new ISO classification as specified by the USP/NF 797 to prepare sterile preparations including Low-Risk, Medium-Risk, High-Risk, and Immediate-Use Products. Demonstrate the revised USP/NF 797 guidelines on hand washing, gowning and garbing and the preparation of various sterile products in the reclassified pharmacy areas to prevent the spread of disease and microbial contamination. This course prepares pharmacy professionals for certification in sterile preparations.

COURSE LEARNING OUTCOMES

Upon successful completion of this course, the student will:

- Demonstrate proper USP <797> aseptic technique in the compounding and preparation of small and large volume CSPs, TPNs and hazardous CSPs.
- Demonstrate competency in correctly preparing small and large volume CSPs, TPNs and hazardous CSPs.

PREREQUISITES:

- Current TSBP pharmacy technician registration and PTCB certification.

REQUIRED TEXTBOOKS / MANUALS:

- Pharmacy Education Resources National Intravenous Training Manual for Technicians (40 hr. ACPE) Pharmacy Education Resources, Inc. (Latest Edition)
- Basic non-programmable calculator – no cell phones, PDAs, etc. are allowed.

IV CERTIFICATION

To become IV certified, the student must complete IV training which includes 22 hours of hands-on and 18 hours of didactic instruction. To receive IV certification the student must obtain 22 hours of documented hands-on training, correctly submit all required paperwork AND pass a computer based exam with a score of 75% or better.

- HCC Coleman College Pharmacy Technician Program only provides the student with the 22 hours hands-on training and documentation that is necessary to be eligible for ACPE IV certification through the Texas Society of Health System Pharmacists (TSHP).
- ACPE IV certification is granted by TSHP. IV certification is NOT granted by HCC Coleman College for Health Sciences Pharmacy Technician Program or the center for health professions.
• Providing the students passes all required skills testing and has attended the entire 22 hours of class, HCC will upload the required and signed documentation to Texas Society of Health System Pharmacists.

• The student is responsible for completing the additional 18 hours of didactic training by working through the ACPE IV Training textbook. The student is also responsible for completing the computer based exam (provided upon completion of 22 hours hands on training). IV certification IS NOT PROVIDED by simply completing the hands-on training provided by HCC Coleman College Pharmacy Technician Program.

• If they have not already done so, students must create a NABP E-Profile and have an NABP number to receive ACPE IV certification credit. This NABP number must be listed on all paperwork that is submitted to TSHP. Go to www.nabp.net to create your profile.

• Once the student has successfully completed the hands-on training and received 75% or better on the computer based exam, their ACPE continuing education credit for IV certification will be listed on the CPE monitor or on their NABP e-profile. **HCC Coleman College and/or TSHP DOES NOT issue an actual certificate for completing the IV training.** The proof of your IV certification is listed on the CPE monitor or on their NAPB e-profile.

**Required Exam for ACPE credit:**

In addition to the 22 hours of hands-on experience that the student will receive with the HCC Coleman College PHRA 1091 course, the student must also pass a computer based exam with a minimum grade of 75%. The exam is based off the material covered in the textbook National Sterile Compounding Training Manual by Pharmacy Education Resources. The exam is computer based and must be proctored by an authorized instructor.

In order to give students adequate time to prepare for the exam, it IS NOT administered during the scheduled 22 hours of the PHRA 1091 course. In order to receive ACPE credit for course, students are **REQUIRED** to return to the campus on the scheduled date to take the proctored exam. The scheduled date is the ONLY date that the exam will be given. **If student fails to take the exam on the scheduled date, the student will forfeit all monies and will not receive ACPE credit.**

Once the student passes the exam with 75% or higher, completes 22 hours hand on training, and all documentation is approved, the ACPE provider will upload the IV certificate directly to the students CPE monitor account. This is the documentation that allows pharmacy technicians to compound sterile products in the state of Texas. The student’s documentation will ONLY be uploaded to their CPE monitor account. No paper certificate indicating that the student completed the course will be provided by either HCC, TSHP, or ACPE. However, they will be able to print verification of completion of the course from their CPE monitor account.

**Grading:**

The IV training will consist of sterile product preparation lab hands-on training. The student’s competency on sterile product labs will be determined by achieving 100% on lab skills tests.

Sterile products lab skill competencies will not be graded on a point system. Competency in sterile products preparation and aseptic technique is determined by the instructor’s evaluation of the
student’s performance. Process validation checklists will be used as a tool in the evaluation of each student’s competency in specific aseptic techniques and sterile product preparations. These process validation checklists are provided with the purchase of the ACPE textbook. The student will be required to pass each evaluation with 100% competency or the student will not receive a passing lab grade & must retake the entire course if space is available.

The student will also be required to demonstrate an overall competency in aseptic technique and sterile product preparation. Final student lab evaluations will be a combination of the process validation checklist and overall competency in sterile products preparation.

The student must realize that passing each process validation checklist and attending lab does not guarantee that the student will receive a passing grade. Again, the student must demonstrate overall competency in preparing sterile products.

NOTE: Student’s competency will be determined by the instructor’s professional knowledge and evaluation.

ACADEMIC HONESTY

Students found to be academically dishonest will be dismissed from the course.

COURSE/LAB REQUIREMENTS

Hands-on training labs will be the primary teaching method used to teach IV admixture skills.

During the hands-on training, the student will be required to demonstrate proper aseptic technique in all areas covered as taught in this course. Students must pass (100% competent) all lab skills that pertain to sterile products training. Students must also demonstrate an overall competency in sterile products preparation.

Failure to pass IV skills evaluations with 100% competency will result in the student NOT being eligible to receive their ACPE signed documentation.

COURSE POLICIES

1. Students must purchase their IV certification book prior to the first day of class. No Book = No Lab

2. To be eligible for ACPE IV certification, students must complete 22 hours hands on training and pass the computer based exam with a grade of 75% or better.

3. Self-locking lockers are available for personal items. No personal items are to be brought into the lab. HCC, Coleman College or the Pharmacy Technician program is not responsible for personal items brought onto their campus.

4. Calculators & pens will be provided for lab use only. If you need a calculator or pen outside of the lab, you must provide your own.
5. Bring Reading Glasses if you need them to read the 1cc syringes, as you must keep you head outside of the hoods.

6. Do not bring cell Phones unless they are on vibrate or turned off, otherwise they must be surrendered to the instructor until the class is over, and phones may not be used as calculators.

**DRESS CODE**

**Students will NOT be allowed to participate in any lab if they do not meet the dress code outlined below.**

1. All students must wear Scrub tops and bottoms. (No long sleeve shirts under scrubs)
2. Shoes that will allow standard shoe covers to fit over the entire shoe.
3. No sandals, flip-flops, open toed or open-back shoes or any shoe that does not completely cover the foot is allowed.
4. All hair must be pulled back and restrained from face and shoulders/neck.
5. **No makeup.** (No exceptions, if you wear makeup you will be required to remove it prior to entering the lab area)
6. No long nails, no nail polish, no acrylic nails.
7. No jewelry (includes rings, wedding rings, engagement rings, necklaces, bracelets, earrings, nose rings, tongue rings, etc.). No exceptions, if you wear jewelry you will not be allowed to participate in the lab.
8. All body Piercings must be removed before entering the lab area.
9. You MUST sign an allergy release form, because we do use real drugs. Please inform us if you are allergic to Latex and refrain from using the Latex gloves. (We have nitrile gloves as a replacement)

**ATTENDANCE**

To receive their 22 hours of hands-on training documentation, the student **MUST** attend all scheduled class meetings. Any student who is absent, late or leaves early for any reason or who misses lab because they are not properly prepared or do not meet the established dress code will NOT be eligible to receive their ACPE signed documentation.

**ADA STATEMENT:**

Any student with a documented disability (e.g. physical, learning, psychiatric, vision, hearing, etc.) who needs to arrange reasonable accommodations must contact the Disability Services Office at the beginning of each semester. Faculty is authorized to provide only the reasonable accommodations requested by the Disability Support Services Office.

For ADA Services at Coleman College for Health Sciences:
Micah Bell, LPC
713-718-7082
micah.bell@hccs.edu
Please allow 24-48 hours turn-around time to process any accommodation requests. Students will need to identify themselves as a Coleman student. See student handbook for further information or use the link: http://www.hccs.edu/district/departments/accessibility/

HCCS Student Services:

COURSE CONTENT OUTLINE

I. Intravenous Pharmacy Terminology and Abbreviations

II. USP/NF Chapter 797 Updated Guidelines

III. ISO Classifications and Pharmacy Controlled Environments
   A. Workroom
   B. Anteroom
   C. Cleanroom
   D. Hood Cleaning
   E. ISO Class 5,7,8,& 9

IV. Aseptic Techniques, Gowning, Gloving, Garbing, & Hand Washing

V. IV Fluids, Supplies, & Equipment

VI. Aseptic Procedures for Sterile Pharmaceuticals
   A. Ampules
   B. Liquid Vials, Powder Vials
   C. TPN
   D. Chemotherapy
Pharmacy IV Admixture Training Release Form
Spring – 2016

Initial

I have received a copy of the HCC IV Admixture Training syllabus and understand its contents

I understand the HCC Coleman College does not provide IV certification, they only provide the hands-on training and documentation that is required to be eligible for IV certification.

I understand that to become IV certified, I must complete at least 22 hours of hand-on and 18 hours of didactic instruction. Also, I understand that I must obtain 22 hours of documented hands-on training AND pass a computer based exam with a score of 75% or better.

I understand that HCC IV Admixture Training will only provide me with the 22 hours hands-on training and documentation that is necessary to be eligible for ACPE IV certification through the Texas Society of Health System Pharmacists (TSHP). I understand that IV certification IS NOT PROVIDED by simply completing the HCC IV Admixture Training course.

I understand and agree that I am responsible for completing the additional 18 hours of didactic training by working through the ACPE IV Training textbook. I am also responsible for completing the computer based exam (provided upon completion of 22 hours hands on training). The exam IS NOT administered during the scheduled 22 hours of the PHRA-1091 course.

I understand that I am required to return to HCC to take computer based exam. If I fail to take the exam on the scheduled date, I will forfeit all monies and will not receive ACPE credit.

I understand and agree that if I fail to achieve 100% competency on my IV skills evaluations I will NOT receive the required ACPE hands-on documentation and will not pass the training.

I understand and agree that to be eligible to receive my 22 hours of hands-on training documentation; I MUST attend all scheduled class meetings. If I am absent, late or leave early for any reason or are not allowed to participate because I did not meet the established dress code, I will NOT be eligible to receive my ACPE signed documentation.

I understand that I must create a NABP E-Profile and have an NABP number to receive ACPE IV certification credit. This NABP number must be listed on all paperwork that is submitted to HCC.

Providing the students passes all required skills testing and has attended the entire 22 hours of class, HCC will provide the student with the required and signed paperwork to be submitted to the Texas Society of Health System Pharmacists.

I understand that once I have successfully completed the hands-on training and received 75% or better on the computer based exam and all my required paperwork is correctly submitted, my ACPE continuing education credit for IV certification will be listed on the CPE monitor or on my NAPB e-profile. HCC Coleman College or TSHP DOES NOT issue an actual certificate for completing the IV training. The proof of my IV certification is listed on the CPE monitor or on my NAPB e-profile.

By initialing above and signing below, I understand and agree to the contents of the HCC IV Admixture Training syllabus and to all of the above statements.

Printed Name: ____________________________ Signature: ____________________________

HCC ID: ____________________________ Date: ____________________________