

 <p><b>Certified Registered Nurse Infusion (CRNI®) Exam Content Outline*</b></p>		<b>Total</b>
<b>1. Principles of Practice</b>		<b>35</b>
A. Anatomy and Physiology		10
1. Body positioning (catheter removal/insertion)		
B. Infection Prevention and Control		18
1. Epidemiology		
a. Infection prevention strategies (e.g., site selection, device planning, phlebitis, standard precautions)		
2. Chain of infection		
3. Blood stream infections		
C. Phlebotomy		7
1. Blood sampling (e.g., blood culture collection)		
2. Therapeutic		
<b>2. Access Devices</b>		<b>39</b>
A. Technology and Clinical Applications		28
1. Equipment		
a. Solution containers		
b. Administration sets		
c. Filters		
d. Add-on devices (e.g., closed system transfer device)		
e. Administration devices (electronic, non-electronic)		
f. Vein location devices (e.g., transillumination, ultrasound)		
g. Navigational tools (e.g., tip locating system)		
h. Securement devices		
2. Infusion Access Devices		
a. Peripheral		
1. Short peripheral		
2. Long peripheral		
3. Midline		
b. Central		
1. Peripherally inserted central catheter (PICC)		
2. Tunneled		
3. Non-tunneled		
4. Implanted (i.e., ports)		
c. Subcutaneous		
d. Intraosseous		
3. Maintenance and Care		

 <p style="text-align: center;"><b>Certified Registered Nurse Infusion (CRNI®) Exam Content Outline*</b></p>	<b>Total</b>
B. Special Populations <ol style="list-style-type: none"> <li>1. Older adults</li> <li>2. Chronic renal conditions</li> <li>3. Pediatrics</li> <li>4. Immunocompromised and oncology</li> <li>5. Bariatrics</li> </ol>	5
C. Device-Related Complications <ol style="list-style-type: none"> <li>1. Infiltration and extravasation (e.g., definition, identification, and treatment)</li> <li>2. Catheter occlusion (e.g., definition, identification and treatment)</li> </ol>	6
<b>3. Infusion Therapies</b>	<b>46</b>
A. Pain Management	3
B. Cardiovascular	4
C. Antineoplastic	3
D. Biologics/Immunologic	5
E. Anti-infectives	6
F. Blood Products	4
G. Fluid and Electrolyte Balance <ol style="list-style-type: none"> <li>1. Body composition</li> <li>2. Fluid volume excess and deficit</li> <li>3. Electrolyte disorders</li> <li>4. Maintenance and replacement</li> </ol>	10
H. Parenteral Nutrition <ol style="list-style-type: none"> <li>1. General solution composition</li> <li>2. Complications               <ol style="list-style-type: none"> <li>a. Infectious</li> <li>b. Metabolic</li> <li>c. Mechanical</li> </ol> </li> </ol>	8
I. Therapy-Related Complications <ol style="list-style-type: none"> <li>1. Rate-related (e.g., definition, identification, and treatment)</li> <li>2. Adverse reactions</li> <li>3. Exposure to hazardous drugs and waste</li> </ol>	6

 <b>Certified Registered Nurse Infusion (CRNI®) Exam Content Outline*</b>	<b>Total</b>
<b>Total</b>	<b>120</b>

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\* Each test form will include 1 set of 20 unscored pretest items in addition to the 120 scored items.  
2.5 hours (150 minutes) of testing time.  
Initial base form passing point by Angoff method to be approved by September 2025.  
Future passing points established through pre-equating.

## CRNI® Tasks

1. Assess the patient's clinical condition and disease state
2. Review patient's medical history
3. Review laboratory and other diagnostic data
4. Apply anatomy and physiology principles to the therapy plan
5. Verify patient identity, therapy, and device
6. Obtain or confirm informed consent
7. Participate in patient care planning with the collaborative healthcare team
8. Maintain established infection control practices
9. Select devices and equipment based on therapy and characteristics of the patient
10. Insert access device
11. Monitor access device
12. Educate patient and/or caregivers regarding therapy and device
13. Verify appropriateness of therapy
14. Administer therapy
15. Evaluate and document patient's response to therapy
16. Assess, troubleshoot, and perform care and maintenance based on access type
17. Identify and manage complications (local and systemic)
18. Discontinue therapy
19. Remove the access device
20. Dispose of hazardous materials
21. Document processes and procedures
22. Participate in equipment and device evaluation
23. Practice based on laws and regulatory agencies (e.g., OSHA, NIOSH, accreditation organizations)
24. Incorporate and apply evidence-based practice (e.g., standards, guidelines, policies and procedures)
25. Participate in performance improvement process