

**Case Minimum Requirements: Surgical Critical Care  
Effective Beginning Academic Year 2019-2020  
Review Committee for Surgery**

	<b>Category</b>	<b>Surgical Critical Care Requirement</b>	<b>Required Minimum*</b>
1	Advanced Mechanical Ventilation	Advanced ventilator management of patients with respiratory failure (mechanical ventilation >48 hours)	35
1a	Airway Management	Endotracheal or nasotracheal intubation	10
1b	Airway Management	Fiberoptic or rigid bronchoscopy	15
2	Shock	Management and resuscitation of patients with all types of shock, including performance of invasive and non-invasive monitoring techniques and the use of vasoactive agents	25
3	Continuous Renal Replacement Therapy	Comprehensive management of patients with acute kidney injury, including use of renal replacement therapies; management of hemodialysis; management of electrolyte disorders and acid-base disturbances; and application of knowledge of the indications for and complications of hemodialysis	5
4	Dysrhythmias	Diagnosis and interpretation of patients with dysrhythmias and complex cardiac disorders, including application of trans-esophageal and transthoracic cardiac ultrasound and transvenous pacemakers, and the management of cardiac assist devices	10
5	Neurologic Disorders	Preventive management, diagnosis, and treatment of patients with coma, delirium, and other neurologic disorders; evaluation and non-operative management of severe traumatic brain injury and intracranial hypertension, including management of intracranial pressure and acute neurologic emergencies	10
6	Hepatic Failure	Diagnosis and management of patients with acute and chronic hepatic failure, including management of ascites, assessment of coagulation status, and use of component therapy; and identification of appropriate candidates for orthotopic liver transplantation	5
7	Non-invasive Cardiac Output Monitoring	Diagnosis and treatment of complex cardiac disorders, including application of trans-esophageal and transthoracic cardiac	10

		ultrasound, and application and interpretation of non-invasive cardiac output monitoring	
8	Nutrition	Nutritional care of critically-ill and injured patients, including use of enteral and parenteral nutrition	20
9	Gastrointestinal Disorders	Comprehensive management of patients with acute GI disorders (such as C. difficile colitis, GI bleeding, intestinal ischemia, intestinal fistulae, post-operative complications, pancreatitis), including utilization of gastrointestinal endoscopic techniques	15
10	Infection	Comprehensive management of patients with infectious diseases and infectious complications, including application of isolation techniques, pharmacokinetics, drug interactions, and management of antibiotic therapy; diagnosis and management of nosocomial infections; and management of sepsis and septic shock	25
11	Miscellaneous Procedures	Performance and supervision of ICU procedures, including central venous catheter placement, tube thoracostomy, thoracentesis, paracentesis, diagnostic peritoneal lavage, fasciotomy, escharotomy, and proficiency in management of procedural complications	25
12	Injury	Comprehensive management of severely injured patients with complex co-morbidities	20
13	Endocrine Disorders	Comprehensive management of patients with acute endocrine disorders, including those of the pancreas, thyroid, adrenals, and pituitary	10
14	Organ Failure	Comprehensive management of patients with multiple organ failure	15
15	End-of-Life Care	End-of-life care, including declaration of brain death, palliative care, and withdrawal of support	10
	Summary	Total critical care patients managed	200
* Patients may fit into multiple categories and may be counted more than once			