

# Davidson-Davie Community College

## Surgical Technology Technical Standards

### Criteria: Cognitive

#### Standard:

- A) Ability to measure, calculate, reason, analyze, integrate and synthesize information.
  - 1) Example: Apply information, evaluate the meaning of data and engage in critical thinking in the classroom, lab and clinical setting.
  - 2) Example: Apply broad class concepts to unique situations.
  - 3) Example: Concentrate to correctly perform surgical technology information tasks within the scope of practice.
  - 4) Example: Make correct judgments on seeking consultation or supervision in a timely manner.
  - 5) Example: Respond appropriately to constructive feedback.
  - 6) Example: Bring together and relate the similarities of surgical procedures and situations in order to function on unfamiliar procedures.
  - 7) Example: Quickly assess needs for surgical procedures, anticipate surgeon's needs, and act appropriately at all times.
  - 8) Example: Set-up of the instrument table and mayo table for function and efficiency.

### Criteria: Communication

#### Standard:

- A) Appropriate interpersonal interaction with other students, faculty, staff, patients, family, and other professionals.
  - 1) Example: Establish and maintain a professional relationship with patients and colleagues including surgeons, OR personnel, and hospital department staff.
  - 2) Example: Demonstrate appropriate impulse control and professional level of maturity.
  - 3) Example: Effective communication with others, both verbally and in writing. Ability to discuss and ask questions regarding surgical procedures both preoperatively and intraoperatively.
  - 4) Example: Convey information in a clear, professional, and timely manner.
  - 5) Example: Listen and respond to others in an accepting and respectful manner.
  - 6) Example: Establish a working rapport with surgeons, anesthesia personnel, surgical technologists, nurses, and a variety of other departmental specialists as well as patients.

### Criteria: Motor Skills

#### Standard:

- A) Sufficient motor function to execute gross and fine motor to provide safe and effective care in the operating room.
  - 1) Example: Manipulate very fine and delicate instruments and suture as well as the larger more complex orthopedic and neuro equipment.
- B) Sufficient physical endurance to participate fully in the clinical and academic settings at an appropriate level.

- 1) Example: Participate completely in classroom activities.
- 2) Example: Participate fully in required activities in lab and clinical settings including extended periods of standing, lifting equipment, and walking briskly as is reflective of the general practice of surgical technology.

### **Criteria: Professional Conduct**

#### **Standard:**

- A) Function effectively and adapt to circumstances including highly stressful or rapidly changing situations.
  - 1) Example: Examine and change his or her behavior when it interferes with professional relationships or the academic or health care environments.
  - 2) Example: Maintain mature, sensitive and effective relationships with patients, surgeons, colleagues, faculty, staff and other professionals.
  - 3) Example: Demonstrate emotional stability to participate fully in the clinical and academic setting at an appropriate level.
- B) Incorporate professional standards of practice into all activities.
  - 1) Example: Advocate, uphold and defend the individual's right to privacy and the doctrine of confidentiality in the use and disclosure of information.
  - 2) Example: Work effectively with a team in an academic or health care setting.
  - 3) Example: Use correct and appropriate grammar in written and oral communication, always being culturally sensitive and professional.
- C) Demonstrate integrity and accountability in clinical and academic settings.
  - 1) Example: Complete all assignments in a timely manner while adhering to the DCCC code of ethics.
  - 2) Example: Respond appropriately to constructive feedback.
  - 3) Example: Take all tests and final examinations as scheduled.
- D) Present self in a professional manner in clinical and academic settings.
  - 1) Example: Attend clinical following uniform policy, including appropriate hygiene with no detectable scents or odors.
  - 2) Example: Wear appropriate clothing that is not distracting or offensive when in the learning environment.
- E) Utilize computers correctly, effectively and professionally to acquire information and to communicate with others.
  - 1) Example: Use Moodle to collect course information.
  - 2) Example: Utilize multiple computer systems to complete tasks.
  - 3) Example: Utilize the internet to collect current information from appropriate sources to provide patient care.
  - 4) Example: Communicate via e-mail in a professional and ethical manner.

### **Criteria: Sensory**

#### **Standard:**

- A) Hearing sufficient to perform surgical technology tasks. Possess auditory ability to monitor and assess needs by the surgeon and other sterile operating room team members.
  - 1) Example: surgical masks during surgical procedures. This limits the ability to hear requests and directions at the surgical field.
  - 2) Example: Communication with employees and other hospital staff

- B) Vision sufficient for observation and assessment necessary during a surgical procedure.
  - 1) Example: Handling fine surgical needles safely and efficiently in response to the needs of the surgeon and surgical procedure, being able to visualize and follow the surgical procedure, and working with small supplies and instruments that require calibration.
  - 2) Example: Reading provider documentation, statutes, regulations, reference materials and accreditation standards.
- C) Tactile ability sufficient to handle all the microscopic supplies, instruments, and equipment.
  - 1) Example: Implantable items for patients may be very delicate, in combination with sterile surgical gloves, some supplies and instruments require very delicate manipulation.

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