

# Surgical Technology

## Program Design Summary

### ***Program Information***

<b>Organization</b>	Washburn Institute of Technology
<b>Program Number</b>	51.0909
<b>Instructional Level</b>	Certificate
<b>Instructional Area</b>	Surgical Technology
<b>Program Manager</b>	Donna Hess
<b>Original Developer(s)</b>	Donna Hess
<b>Last Revision Date</b>	8/6/2010
<b>Revised By</b>	Donna Hess

### **Target Population**

Post Secondary students

The Surgical Technology program will be of interest to those that would enjoy the technical aspects of the operating room as well as the desire to help others. This career is best suited for a focused and assertive person who pays attention to details, is very organized, and is a quick thinker. A career in surgical technology is a demanding job but is also a very interesting field of work. The person in this line of work must be able to handle the stresses of the operating room.

### **Description**

This program provides an opportunity for the students to learn the basic skills necessary to become an integral member of the surgical team. Surgical technologists maintain the operating room by selecting and opening supplies, assembling equipment for surgical procedures, and by providing the necessary sterile items to the surgeon in an efficient manner. Upon satisfactory completion of the program the, the surgical technologist may earn the "CST" certification credential by passing a nationally administered exam. Prospective students must have a high school diploma or a GED and pass the general entrance assessment exam with a level 5 in applied math and level 6 in reading for information. Pre-requisites for program admission are minimum of 6 credit hours of Anatomy and Physiology including lab from an HLC accredited college within the last 5 years with a grade of "C" or better. Recommended courses: college level medical terminology, microbiology and current CNA license. 47 credit hours, full time, adult only, Class starts in August .

### **External Requirements**

1. High school graduation or a GED (General Equivalency Diploma)
2. HLC accredited, college level Anatomy and Physiology 6 hrs. with lab within the last 5 years and a grade of "C" or higher.
3. Certified nursing assistant course (CNA) Recommended but not required
4. College level microbiology course -4 credit hours- Recommended but not required

### **Career/Job Titles**

#### **Title**

1. Surgical Technologist

2. "Certified" Surgical Technologist - after passing national exam
3. OB Tech
4. Certified First Assistant - some additional education required

### **Entry Requirements**

1. Complete and pass Work Keys general entrance exam with a level 5 in Applied Mathematics and a level 6 in Reading for Information
2. Submit 3 letters of recommendation on school supplied form, with 1 preferred from a health care professional
3. Complete and pass a Cardio Pulmonary Resuscitation course for the healthcare worker and maintain it throughout the surgical technology program.
4. Complete an interview with the surgical technology program director.
5. Must pass a background check.
6. Must provide validation of all required health information including current physical, TB skin test and immunizations.
7. Submit official transcript from high school and all colleges attended
8. If appropriate submit official GED certificate from the state.

### **Program Outcomes**

- A. Demonstrates an understanding of the services provided by the surgical team in relation to the patient's restoration of health.
- B. Maintain accountability for own actions to assure adherence to ethical and legal standards.
- C. Respects patient's inherent right to privacy, dignity and confidentiality.
- D. Apply knowledge of normal and pathological anatomy and physiology.
- E. Perform preoperative, intraoperative and post-operative planning including individualized preparation for each assigned surgical intervention.
- F. Applies the principles of asepsis in order to inhibit infection.
- G. Works efficiently and safely in a professional manner, in all aspects of surgical care in regards to the surgical patient and themselves.
- H. Use sound judgement in instituting established procedures.
- I. Respond to emergencies in a calm manner.
- J. Communicates effectively using appropriate medical terminology in the perioperative setting.
- K. Provide optimum patient care by utilizing teamwork in the clinical setting .
- L. Demonstrate initiative to expand knowledge of new surgical procedures and subjects relating to the OR and the patient.
- M. Describe various medications used in surgery.
- N. Understand and use the metric system when measuring medications in surgery.
- O. Anticipate the surgeon efficiently and according to the needs of the surgical procedure being performed.
- P. Arrange surgical instrumentation and all supplies needed for the surgical procedure.
- Q. Apply computer knowledge to the educational process and safe patient care practices
- R. Apply electrical knowledge and principles of physics and robotics to safe patient care practices in the OR

### **Core Abilities**

- A. Communicate effectively.

- B. Integrate technology.
- C. Learn effectively - use academics effectively.
- D. Demonstrate cooperative/teamwork skills
- E. Apply Safety
- F. Think critically and creatively
- G. Demonstrate responsible work ethics

<b>Course Configuration</b>			
<b>Semester</b>	<b>Course #</b>	<b>Course Title</b>	<b>Credits</b>
1st	SUR 100	Introduction to Surgical Tech	3
1st	SUR110	Microbiology	2
1st	SUR120	Medical Terminology	3
1st	SUR140	Principles and Practice	7
1st	SUR145	Principles and Practice Lab	3
1st	SUR150	Surgical Pharmacology	2
1st	SUR160	Surgical Procedures I	2
1st	SUR170	Clinical I	3
2nd	SUR260	Surgical Procedures II	8
2nd	SUR265	Surgical Procedures III	5
2nd	SUR270	Clinical II	4
2nd	SUR275	Clinical III	4
2	SUR280	Workplace Skills	1