

# Surgical Technology

## Associate in Applied Science in Technical Studies

### Program Description:

The Technical Studies Degree is designed to meet three major needs:

1. To provide for cooperatively sponsored educational opportunities leading to the Associate in Applied Science degree and/or one-year Certificate for students in quality education and training programs.
2. To increase the abilities of employees to use technology effectively and responsibly.
3. To assist those employed in the workforce to understand that education is a life-long process. Mountwest delivers educational programs in a variety of occupational fields to businesses and industries having an immediate need for such programs.

Components of the program include the following: general education, classroom instruction in a technical core and in the occupational area, and possible on-the-job training. Technical Studies students must meet admission and performance standards. Credits earned through either the approved apprenticeship programs or through industry based education and training programs will not be added to the student's collegiate transcript until the student has completed three program credit hours from Mountest Community and Technical College and has obtained at least a 2.00 GPA.

### Career Outlook:

Employment of surgical technologists is expected to grow much faster than average for all occupations through the year 2016 as the volume of surgery increases. Job opportunities are expected to be good. The number of surgical procedures is expected to rise as the population grows and ages. The number of older people, including the baby boom generation, who generally require more surgical procedures, will account for a larger portion of the general population. Technological advances, such as fiber optics and laser technology, will permit an increasing number of new surgical procedures to be performed and also will allow surgical technologists to assist with a greater number of procedures.

Hospitals will continue to be the primary employer of surgical technologists, although much faster employment growth is expected in offices of physicians and in outpatient care centers, including ambulatory surgical centers.

### Salary Forecast:

Salary ranges depend on the geographic location of the job. Median annual earning across the United States of surgical technologist was \$38,740 in May 2008. The middle 50 percent earned between \$32,490 and \$46,910 per year. The lowest 10 percent earned less than \$27,510 and the highest 10 percent earned more than \$54,300 per year.

|               |          |                                        |          |
|---------------|----------|----------------------------------------|----------|
| West Virginia | \$31,760 | Offices of dentists                    | \$37,340 |
| Tennessee     | \$37,490 | Offices of physicians                  | \$40,320 |
| Kentucky      | \$35,060 | General medical and surgical hospitals | \$39,770 |

(Information obtained from the Occupational Outlook Handbook, 2008-2009)

### Employment Opportunities:

- Hospitals
- Physicians Office
- Dentist Office
- Outpatient Care Centers
- Ambulatory Surgical Center

## Major Code – CTA1

| <b>FIRST YEAR</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                           |
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| <p><b>Component I – General Education</b></p> <p>COM 112 Oral Communication ..... 3<br/>           ENL 111 Written Communication ..... 3<br/>           ENL 231 Technical Report Writing ..... 3<br/>           IT 101 Fundamentals of Computers (EDGE) ..... 3<br/>           MAT 145 Applications in Algebra<sup>2</sup> ..... 3<br/>           BIOL 257 Introduction to Anatomy &amp; Physiology (EDGE) .. 3<br/>           SS 215 Lifespan Psychology ..... 3</p> <p><b>TOTAL CREDITS</b>..... 21</p>                                                                  | <p><b>Component II – Technical Core</b></p> <p>AH 151 Medical Terminology (EDGE)..... 3<br/>           AH 207 Infection Control for Health Professionals ..... 4</p> <p><b>TOTAL CREDITS</b>..... 7</p>                                                                                                                                                                                                   |
| <b>SECOND YEAR</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                           |
| <p><b>Component III – General Education</b></p> <p>Technical component articulated from Collins Career Center consists of the following courses.</p> <p>Surgical Technology 100                      Surgical Technology 300<br/>           Surgical Technology 101                    Surgical Technology 301<br/>           Pharmacology for Surgical Tech.        Surgical Technology 400<br/>           Surgical Technology 200                    Surgical Technology 401<br/>           Surgical Technology 201</p> <p><b>TOTAL ARTICULATED CREDITS</b> ..... 35</p> | <p><b>Component IV (Optional) – On-The-Job Training</b></p> <p>A letter verifying completion of contact hours must be received by the Associate Dean’s Office, located in the Mountwest Community &amp; Technical College Advising Center, prior to applying for graduation, for credit to be awarded. 160 clock hours equals 1 college credit hour.</p> <p><b>(1-12 Credit Hours may be awarded)</b></p> |
| <b>HOURS REQUIRED FOR GRADUATION: 63</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                           |

### Contact Information:

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### Admission Requirements:

Prior to acceptance into the Surgical Technology Program, a student must have completed the following:

1. Prerequisite college courses. Courses may be completed at any postsecondary institution. For courses to qualify for the Associate of Applied Science degree in Surgical Technology through Marshall University, they must be accepted and successfully transferred to Mountwest. This transfer process is the sole responsibility of the student. A minimum of 12 hours must be taken through Mountwest to be granted the Associate degree.

The following courses must be passed with a “C” or better.

- MAT 145-College Algebra
- ENL 111-Written Communication
- BIOL-257-Intro to Anatomy & Physiology
- SS 215- Lifespan Psychology

To get an application to the Surgical Technology program you must complete numbers 2 or 3.

2. Minimum ACT score of 21 **or**
3. Successful completion of the pre-entrance (Work Keys) examination with a score of four in Locating for Information, and five in both the Math and Reading for Comprehension.

### Earn A Degree Graduate Early (EDGE):

This program provides students the opportunity to receive credit for their high school EDGE courses.

1. Cooperative Degree between Mountwest and Collins Career Center.
2. MAT 145 has a prerequisite of ACT 19; MAT 097; or PLAC 100.
3. 35 credit hours are awarded, based on successful completion of all nine surgical technology courses.