

# MSA - Surgical Assisting

## **MSA 602 Medical Terminology (2 Credit Hours)**

The medical terminology class is an intense, three-week course taught at the beginning of the surgical assisting student's first year. The course employs a body systems-oriented, word-analysis approach to learning medical terminology. The goal of the class is to prepare students for the terminology they might encounter in their subsequent coursework, in their clinical rotations and ultimately in their roles as healthcare professionals.

## **MSA 603 Surgical Microbiology w/Lab (3 Credit Hours)**

Surgical Microbiology reviews the infectious processes and organisms, immune responses, risks to operating-room patients and personnel and universal precautions.

## **MSA 604 Advanced Topics of SA I (1 Credit Hour)**

Advanced Topics of Surgical Assisting is a monthly journal club that investigates topics addressed in the core curriculum classes as well as current issues impacting the surgical assisting profession. Course readings will be provided by program faculty and surgical assistant professional organizations.

## **MSA 605 Advanced Topics of SA II (1 Credit Hour)**

Advanced Topics of Surgical Assisting is a monthly journal club that investigates topics addressed in the core curriculum classes as well as current issues impacting the surgical assisting profession. Course readings will be provided by program faculty and surgical assistant professional organizations.

## **MSA 606 Operative Practices (2 Credit Hours)**

Lecture series is a seminar course that explores the details of topics such as attitude and etiquette in the OR, casting and splinting, stress management, ethics, surgical technique, OR conduct and patient interaction, back-table setup and the SA, trauma, sterile technique, gowning and gloving review. The seminars are conducted by program alumni and other medical professionals.

## **MSA 607 Surgical Rounds (3 Credit Hours)**

Surgical Rounds is a hands-on clinical training experience lead by surgical residents to complement the student's didactic experience through active participation as part of a surgical team to develop the critical clinical skills needed for a surgical assistant.

## **MSA 608 Clinical Anatomy for HP (5 Credit Hours)**

Gross Anatomy is a regional study of anatomy related to surgical procedures with cadaver lab. It also includes review of physiology relevant to survey and an introduction to basic embryology, histology and pathology.

## **MSA 610 Advanced Surgical Pharmacology (2 Credit Hours)**

Advanced Pharmacology is a biophysical science based course which examines drugs used in surgery and emergency drugs, reviewing anaphylactic and toxicity reactions. The course also addresses anesthesia methods and agents and their methods of administration, describing how the surgical procedure may be affected by the agents used.

## **MSA 611 Minimally Invasive Surgery (4 Credit Hours)**

This course is designed to give the surgical assistant student a broad look into minimally invasive surgery while introducing the techniques involved. Numerous subspecialties, how minimally invasive techniques are utilized, and the history of these techniques will be discussed. Students will engage in hands-on learning to help facilitate the learning curve once they are in their clinical year.

## **MSA 612 Surgical Physiology (4 Credit Hours)**

Surgical Physiology is a course provided by the biophysiology and applied surgical pathology for the advancement of knowledge application in the surgical environment designed for Surgical Assistant students. Topics including cell injury, inflammation and wound healing are covered.

## **MSA 613 Principles of SA I Lecture (2 Credit Hours)**

Principles of Surgical Assisting is a two-part course that teaches fundamental skills: Placement of monitoring devices, review of bladder catheterization, surgical positioning, application of tourniquets, prepping and draping, operative instrumentation, visualization techniques, hemostasis, suturing and knot tying techniques, dressings and drainage systems, post-operative pain control methods and the use of special equipment.

## **MSA 614 Principles of SA I Lab (2 Credit Hours)**

Principles of Surgical Assisting is a two-part course that teaches fundamental skills: Placement of monitoring devices, review of bladder catheterization, surgical positioning, application of tourniquets, prepping and draping, operative instrumentation, visualization techniques, hemostasis, suturing and knot tying techniques, dressings and drainage systems, post-operative pain control methods and the use of special equipment.

## **MSA 615 Principles of SA II Lecture (2 Credit Hours)**

Principles of Surgical Assisting is a two-part course that teaches fundamental skills: Placement of monitoring devices, review of bladder catheterization, surgical positioning, application of tourniquets, prepping and draping, operative instrumentation, visualization techniques, hemostasis, suturing and knot tying techniques, dressings and drainage systems, post-operative pain control methods and the use of special equipment.

## **MSA 616 Principles of SA II Lab (2 Credit Hours)**

Principles of Surgical Assisting is a two-part course that teaches fundamental skills: Placement of monitoring devices, review of bladder catheterization, surgical positioning, application of tourniquets, prepping and draping, operative instrumentation, visualization techniques, hemostasis, suturing and knot tying techniques, dressings and drainage systems, post-operative pain control methods and the use of special equipment.

## **MSA 617 Clinical Reasoning for SA (1 Credit Hour)**

Principles of Surgical Assisting is a two-part course that teaches fundamental skills: Placement of monitoring devices, review of bladder catheterization, surgical positioning, application of tourniquets, prepping and draping, operative instrumentation, visualization techniques, hemostasis, suturing and knot tying techniques, dressings and drainage systems, post-operative pain control methods and the use of special equipment.

## **MSA 618 Trauma (2 Credit Hours)**

Expose the surgical assistant student to the specialty dedicated to the care of the individual who has been injured, whatever the mechanism.

## **MSA 619 Business of SA Services (3 Credit Hours)**

This course presents an in-depth overview of the business of surgical assisting. Students are exposed to all aspects of the surgical assisting business to help them make informed career decisions.

## **MSA 620 Medical Ethics of SA (2 Credit Hours)**

This course explores a variety of ethical and legal issues facing healthcare professionals and the Surgical Assisting profession.

## **MSA 621 Capstone Project (3 Credit Hours)**

This is an applied science and practice application course. Students develop an educational resource product in their area of surgical specialty concentration for contribution to the program's resource library.

## **MSA 622 Leadership in Healthcare (1 Credit Hour)**

Leadership in healthcare.

## **MSA 623 Guided Study (3 Credit Hours)**

This course is designed to allow the student to explore a specified surgical topic under the direct supervision of the faculty member.

## **MSA 700 General Surgery (3 Credit Hours)**

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## **MSA 702 General Surgery (3 Credit Hours)**

## **MSA 703 Orthopedic Surgery (3 Credit Hours)**

## **MSA 704 Orthopedic Surgery (3 Credit Hours)**

## **MSA 705 Orthopedic Surgery (3 Credit Hours)**

## **MSA 706 Plastic Surgery (3 Credit Hours)**

## **MSA 707 Plastic Surgery (3 Credit Hours)**

**MSA 708 Plastic Surgery (3 Credit Hours)**  
**MSA 709 Vascular Surgery (3 Credit Hours)**  
**MSA 710 Vascular Surgery (3 Credit Hours)**  
**MSA 711 Vascular Surgery (3 Credit Hours)**  
**MSA 712 OB/GYN (3 Credit Hours)**  
**MSA 713 OB/GYN (3 Credit Hours)**  
**MSA 714 OB/GYN (3 Credit Hours)**  
**MSA 715 ENT (3 Credit Hours)**  
**MSA 716 ENT (3 Credit Hours)**  
**MSA 717 ENT (3 Credit Hours)**  
**MSA 718 Cardiac Surgery (3 Credit Hours)**  
**MSA 719 Cardiac Surgery (3 Credit Hours)**  
**MSA 720 Cardiac Surgery (3 Credit Hours)**  
**MSA 721 Surgical Elective (3 Credit Hours)**  
**MSA 722 Surgical Elective (3 Credit Hours)**  
**MSA 723 Surgical Elective (3 Credit Hours)**  
**MSA 724 Pediatric Surgery (3 Credit Hours)**  
**MSA 725 Pediatric Surgery (3 Credit Hours)**  
**MSA 726 Pediatric Surgery (3 Credit Hours)**  
**MSA 727 Robotics (3 Credit Hours)**  
**MSA 728 Robotics (3 Credit Hours)**  
**MSA 730 Neurosurgery (3 Credit Hours)**  
**MSA 731 Neurosurgery (3 Credit Hours)**  
**MSA 732 Neurosurgery (3 Credit Hours)**