

ORTHOPAEDIC TECHNOLOGY

ASSOCIATE OF SCIENCE

Quarter Credit Hours Required = 96

The Associate of Science degree in Orthopaedic Technology is designed to prepare students for positions that assist orthopaedic surgeons in the care of sick and disabled persons. Orthopaedic technologists apply, adjust, and remove casts, splints, and braces. The program is designed to teach the student to work closely with the physicians and other support personnel, with emphasis on application, adjustment, and removal of casts, splints, and braces. In addition, this program will focus on medical terminology, medical office procedures, and insurance coding to prepare the student for specialized employment.

Upon successful completion of this program, students should be able to

- describe the methodology utilized in medical and surgical asepsis;
- recognize the medical components of the human body by thorough study of anatomy and physiology;
- demonstrate a working knowledge of braces, prosthetics, canes, crutches, and walkers;
- describe the essential working aspects of a successful orthopaedic technologist;
- demonstrate the ability to perform in a healthcare environment meeting OSHA specifications;
- recognize the importance of confidentiality when dealing with patients;
- analyze the relationship of classroom theory to on-the-job training;
- demonstrate effective communication and decision-making skills for successful performance in the orthopaedic technology environment;
- integrate knowledge of personal and medical ethics into the orthopaedic technology arena;
- demonstrate a familiarity with commonly used surgical instruments and orthopaedic equipment;
- establish and maintain high standards of aseptic technique; and
- coordinate a successful job search.

FOUNDATION:

Quarter Credit Hours

EDU 1010	Learning Framework	4
EDU 1020	Career Exploration/Planning	4
Total Minimum Required Foundation Credits		8

AREA OF CONCENTRATION:

BIO 1120	Anatomy and Physiology: Body Structures	4
BIO 1130	Anatomy and Physiology: Organs and Systems	4
MEA 1010	Clinical Office Procedures	4
MED 1010	Medical Terminology	4
MED 1140	Medical Law and Ethics	4
MED 1210	Pathophysiology	4
OTH 1010	Introduction to Orthopaedic Technology	4
OTH 1020	Intermediate Orthopaedic Technology	4
OTH 1700	Orthopaedic Equipment and Supplies	2
OTH 1710	Fracture Healing and Complications	2
OTH 2010	Advanced Orthopaedic Technology Techniques	4
OTH 2210	Orthopaedic Surgical Techniques	4
OTH 2510	Orthopaedic Technologist Certification Review	2
OTH 2610	Orthopaedic Technologist Externship	6
SUR 1010	Aseptic Technique	4
SUR 1500	Introduction to the Surgical Environment	4
SUR 2190	Pharmacology for the Surgical Technologist	4
Total Minimum Required Area of Concentration Credits		64

GENERAL EDUCATION:

These courses are to be selected in consultation with the Program Director so as to effectuate a balanced educational program. Select a total (minimum) of 24 credit hours as indicated below:

Communications	12
Humanities and Fine Arts	4
Mathematics	4
Social and Behavioral Sciences	4
Total Minimum Required General Education Credits	24

TOTAL MINIMUM QUARTER CREDIT HOURS REQUIRED 96