Atlantic Technical College
Orthopedic Technology
Program Syllabus
2023-2024

Instructor Name: Al Ramirez O.T.C
Department Name: Health Science
Office/Classroom Location: Bldg 12, room 226
Phone Number: 754-321-5260
Email Address: alvaro.ramirez@browardschools.com

Instructor Office Hours:
M-F: 2:00p.m. – 3:00pm (appointment preferred)

Instructor responses to student inquires will be provided within 24 hours of regular school operating hours: Monday – Friday, 7:00am – 3:00pm.

Student Hours:
Monday – Friday
Class Hours: 7:05am – 1:50pm
Break: 9:05am – 9:20am
Lunch: 11:20am – 11:50am

Program Name: Orthopedic Technology

OCPs	Course Names	Hours
A	HSC0003 – Basic Healthcare Worker	90
B	PHT0090 – Orthopedic Technologist 1	355
	PHT0091 – Orthopedic Technologist 2	355

Course Description:
This course is designed to teach the skills and techniques necessary to be employed working with orthopedic physicians to treat patients in a variety of health care environments. The program provides the skills and knowledge needed to become a competent orthopedic technologist performing the following services: routine office and departmental procedures; applying, adjusting and removing casts, splints, and braces; setting up, adjusting, and maintaining traction configurations; assisting with the care of acutely injured patients; and assisting the physician in the reduction and/or manipulation of orthopedic injuries.

Technical College Policy/Adult Student Attendance:
- A student must be withdrawn after being absent for six (6) consecutive days.
- Two (2) additional absences may be allowed under certain circumstance with appropriate documentation.
- Please refer to the Student Handbook for postsecondary students.
  http://www.atlantictechnicalcollege.edu/atc-student-handbook/

Magnet High School/Attendance Policy:
A student who has had at least five unexcused absences, or absences for which the reasons are unknown, within a calendar month, or 10 unexcused absences, or absences for which the reasons are unknown, within a 90-calendar-day period, may be exhibiting a pattern of non-attendance according to (F.S.1003.26 (1) (b)) and the School Board of Broward County, Policy 5.5.

Required Book(s) and/or Online Access:
Available for purchase at the ATC Bookstore:
- AES Core Curriculum Access Code
- BLS For Health Care Providers
- Netters Concise Orthopedic Anatomy, 2nd Edition
- (updated edition)
- A Manual of Orthopedic Terminology, 8th Edition

Required Materials/Supplies:
See Orthopedic Technology Program Student Handbook.
Purchased from ATC Bookstore:
- 7-8" Bandage scissors
- 7-8" Trauma scissors
- 1 each 2"3"4" elastic bandage
- CPR Valve
- Uniform: ATC logo Cherokee scrub top
- ATC logo t-shirt (optional)
Not Purchased from ATC Bookstore:
- Athletic Shorts knee length (Black preferred)
- Uniform: Cherokee scrub bottom
- Black sneakers and black socks

All required books and most materials/supplies can be purchased from the ATC bookstore.
Stop by during operational hours for pricing and purchasing information.

Grading System:	Additional Program Specific Grading Information:
A 90 - 100% B 80 - 89% C 70 - 79% D 60 - 69% F 0 - 59% I Incomplete	• Unit Tests – 40% • Mid Term – 10% • Comprehensive Final Exam – 10% • Orthopedic Assignments – 10% • Participation – 5% • Clinical Rotation – 15% • Quizzes – 10% NOTE: Postsecondary students with disabilities must self-identify, present documentation, request accommodations if needed, and develop a plan with their counselor.

Grading Policy:

Students' grades are based on the following:
- Scheduled assignments are due by 7:00am on the day they are due. Late submission of work will affect the assignment grade.
- Students assume full responsibility for the content and integrity of submitted work. As the guiding principle of academic integrity, a student's submitted work, examinations, reports, projects, etc. must be their own.
- Unless otherwise stated by the instructor, physical or digital references including books, charts, graphs, diagrams, photos, notes or calculators may not be utilized during assessments or exams. Blank scratch paper will be permitted during certain assessments.
- Exams may include an oral or lab/skills component and exams used for determining competency will be delivered in a proctored environment.

View Your Grades:

Grades can be viewed online by following the directions below:
1. Go to Clever SSO Website link: https://sso.browardschools.com and login:
   a. Username: 10-digit student ID number
   b. Password: PMM/DD/YYYY (or your personally created password after initial login)
2. Click on the FOCUS app on your Clever opening page.
   (You may need to scroll-down the page to see the FOCUS app.)
3. Enter your FOCUS username and password.
   NOTE: If the Focus App. is not visible after logging into Clever, please navigate to the Broward Focus website directly: https://broward.focusschoolsoftware.com/focus/.

Classroom/Lab Rules: *See Orthopedic Technology Handbook*

Industry Certification & State Credential Exam Cost:	Outstanding Student Recognition Information:
• Orthopedic technology certification is available through an exam offered by the NBCOT (National Board for Certification Orthopedic Technologist)- $475 • Register Orthopedic Technology is available through an exam offered by the ASOP (American Society of Orthopedic Professionals) $200 *You may qualify for certification reimbursement of your exam cost(s) upon passing. Credential fees are subject to change.*	A gold seal will be applied to a Program Completion Certificate or an Applied Technology Diploma if the student has earned a 3.5 GPA or higher in their Career and Technical Education (CTE) classes.

Program Name: Orthopedic Technology

Course Number: HSC0003
Course Name: Basic Healthcare Worker
Occupational Completion Point: A
Intended Outcomes: (From FL DOE Curriculum Framework)
Student will be able to:

- Demonstrate knowledge of the health care delivery system and health occupations.
- Demonstrate the ability to communicate and use interpersonal skills effectively.
- Demonstrate legal and ethical responsibilities.
- Demonstrate an understanding of and apply wellness and disease concepts.
- Recognize and practice safety and security procedures.
- Recognize and respond to emergency situations.
- Recognize and practice infection control procedures.
- Demonstrate an understanding of information technology applications in healthcare.
- Demonstrate employability skills.
- Demonstrate knowledge of blood borne diseases, including HIV/AIDS.
- Apply basic math and science skills.

Course Number: PHT0090
Course Name: Orthopedic Technologist 1
Occupational Completion Point: B (1 of 2)
Intended Outcomes: (From FL DOE Curriculum Framework)
Student will be able to:

- Describe anatomical structure and function of the human body related to the practice of orthopedics.
- Discuss diseases and injuries of the musculoskeletal system and related structures.
- Demonstrate physical assessment of the orthopedic patient.
- Perform routine maintenance of equipment.
- Disinfect and sterilize materials and equipment.
- Demonstrate knowledge of the use of radiology in orthopedic technology.

Course Number: PHT0091
Course Name: Orthopedic Technologist 2
Occupational Completion Point: B (2 of 2)
Intended Outcomes: (From FL DOE Curriculum Framework)
Student will be able to:

- Demonstrate ability to apply, adjust, and remove all common orthopedic devices.
- Assist the orthopedic physician with various treatments and procedures.
- Assist the orthopedic surgeon in the operating room using aseptic technique.
- Demonstrate use of exercise, assistive/supportive devices and specialized equipment
- Instruct other healthcare providers, patients and families to perform selected treatment procedures and functional activities.
- Identify architectural barriers.