Orthopedic Technology Certificate (ORTH)

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The Orthopedic Technology certificate prepares students to work with orthopedic surgeons to treat patients in a variety of health care environments. The program provides the skills and knowledge needed to become a competent orthopedic technologist including performing routine office and departmental procedures; applying, adjusting, and removing casts, splints, and braces; setting up, adjusting, and maintaining traction; assisting with the care of acutely injured patients; and assisting the physician in the surgical suite.

Orthopedic Technology Certificate (ORTH)

Program Prerequisite: MCH 101 Medical Terminology 1, MCH 102 Medical Terminology 2, or MCH 104 Comprehensive Medical Terminology (minimum grade C for all).

Semester 1		Lec	Lab	Credits
ORTH 100	Anatomy and Physiology and Radiology for the Orthopedic Technician			5
Semester 2				
ORTH 180	Orthopedic Clinical Practice			3
Total Credits:		0	0	8

Courses

ORTH 100 Anatomy and Physiology and Radiology for the Orthopedic Technician
5 Credits. 4 Lecture Hours. 2 Lab Hours.
A course on the musculoskeletal system as related to body positioning for casting. Topics include: muscular and skeletal systems, skeletal divisions, body movements, and using imaging to understand basic and pathologic extremity anatomy.
Prerequisites: MCH 101, MCH 102, or MCH 104 (minimum grade C for all)

View Sections (http://webapps.cincinnatistate.edu/wwwTools/MCL/default.aspx?course_number=100subject_code=ORTH)

ORTH 105 Orthopedic Casting Techniques
5 Credits. 4 Lecture Hours. 2 Lab Hours.
Students practice proper techniques and safe use of materials for casting and instrumentation for cast removal.
Prerequisites: ORTH 100 (minimum grade C)

View Sections (http://webapps.cincinnatistate.edu/wwwTools/MCL/default.aspx?course_number=105subject_code=ORTH)

ORTH 180 Orthopedic Clinical Practice
3 Credits. 0 Lecture Hour. 6 Lab Hours.
Students observe and practice casting techniques in an orthopedic clinical setting.
Prerequisites: ORTH 100 (minimum grade C)

View Sections (http://webapps.cincinnatistate.edu/wwwTools/MCL/default.aspx?course_number=180subject_code=ORTH)

ORTH 198 First Year Special Topics in Orthopedic Technology
1-9 Credits. 0 Lecture Hour. 0 Lab Hour.
A course on selected topics related to Orthopedic Technology, which gives students opportunities to study information not currently covered in other courses. Grades issued are A, B, C, D, or F.
Prerequisites: None

View Sections (http://webapps.cincinnatistate.edu/wwwTools/MCL/default.aspx?course_number=198subject_code=ORTH)

ORTH 199 First Year Independent Project in Orthopedic Technology
1-9 Credits. 0 Lecture Hour. 0 Lab Hour.
A project related to Orthopedic Technology that is completed by one or more students to meet specific educational goals. Projects must have prior approval and supervision by Orthopedic Technology faculty. Grades issued are Satisfactory or Unsatisfactory.
Prerequisites: Vary by section

View Sections (http://webapps.cincinnatistate.edu/wwwTools/MCL/default.aspx?course_number=199subject_code=ORTH)

ORTH 298 Second Year Special Topics in Orthopedic Technology
1-9 Credits. 0 Lecture Hour. 0 Lab Hour.
A course on selected topics related to Orthopedic Technology, which gives students opportunities to study information not currently covered in other courses. Grades issued are A, B, C, D, or F.
Prerequisites: None

View Sections (http://webapps.cincinnatistate.edu/wwwTools/MCL/default.aspx?course_number=298subject_code=ORTH)

ORTH 299 Second Year Independent Project in Orthopedic Technology
1-9 Credits. 0 Lecture Hour. 0 Lab Hour.
A project related to Orthopedic Technology that is completed by one or more students to meet specific educational goals. Projects must have prior approval and supervision by Orthopedic Technology faculty. Grades issued are Satisfactory or Unsatisfactory.
Prerequisites: Vary by section

View Sections (http://webapps.cincinnatistate.edu/wwwTools/MCL/default.aspx?course_number=299subject_code=ORTH)