YALE UNIVERSITY MS IN PERSONALIZED MEDICINE + APPLIED ENGINEERING

Enroll In Our Masters Degree Program!

TAUGHT BY BOTH YALE SCHOOL OF MEDICINE AND YALE SCHOOL OF ENGINEERING & APPLIED SCIENCE FACULTY

Visit seas.yale.edu/pmae to schedule a virtual information session

APPLY NOW!

DEADLINE
DECEMBER 15, 2022

PROGRAM’S MISSION STATEMENT:
TO PREPARE BIOMEDICAL, MECHANICAL AND ELECTRICAL ENGINEERS, COMPUTER SCIENCE MAJORS, MEDICAL STUDENTS, AND PHYSICIANS WITH THE TOOLS TO DEVELOP INNOVATIVE 3D SOLUTIONS FOR PERSONALIZED MEDICINE AND SURGERY
WHAT YOU’LL LEARN
• 3D technology to address surgical and medical conditions
• Practical skills through an 8-week clinical immersion shadowing clinicians who conduct personalized medicine
• Preoperative surgical planning and custom 3D printed instrument design
• The production of XR medical education tools
• Tissue engineering and manufacturing
• Diagnostic image analysis
• How to develop novel diagnostics, treatments, and tools with a dedicated master’s thesis project

WHAT YOU’LL GET HANDS-ON EXPERIENCE WITH
• High-Resolution Medical Imaging
• Point of Care 3D Printing
• Robotics and Computer Navigation
• Extended Reality

JOBS/OPPORTUNITIES YOU’LL BE PREPARED FOR
• Medical Device Design Engineer
• Manager at a Point of Care Printing Center
• 3D Medicine Research Scientist
• Engineer with Specialized Image Processing and 3D Modeling Skills
• Pre-Medical School

APPLY HERE Deadline December 15, 2022

Questions?

CONTACT:

Daniel Wiznia, MD
[assistant professor of orthopaedic surgery and mechanical engineering & materials science]
daniel.wiznia@yale.edu

Steven Tommasini, PhD
[research scientist, Yale Orthopaedics & Rehabilitation]
steven.tommasini@yale.edu

Lisa Lattanza, MD
[professor and chair, Yale Orthopaedics & Rehabilitation]
lisa.lattanza@yale.edu

seas.yale.edu/pmae