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 WILL LEARN

• 3D Technology to Address Surgical and Medical Conditions
• Practical Skills Through 8-Week Clinical Immersions 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 WILL GET HANDS-ON EXPERIENCE WITH

• High-Resolution Medical Imaging
• Point of Care 3D Printing
• Robotics and Computer Navigation
• Extended Reality

JOBS/OPPORTUNITIES YOU WILL 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
• Medical School with Robust Engineering Toolkit

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Questions?

CONTACT:

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