

NU BME CONCENTRATIONS

Medical Devices

Device Development: Bioelectronics & Robotics

BMD_ENG 467	<i>Biomedical Robotics</i>
MECH_ENG 333	<i>Introduction to Mechatronics</i>
MECH_ENG 433	<i>Advanced Mechatronics</i>
BMD_ENG 317	<i>Biochemical Sensors</i>
BMD_ENG 353	<i>Bioelectronics</i>
BMD_ENG 354	<i>Bioelectronics Lab</i>
BMD_ENG 448	<i>Cardiovascular Biology & Engineering</i>
BMD_ENG 467	<i>Biomedical Robotics</i>
MECH_ENG 495	<i>Soft Robotics</i>
BMD_ENG 380	<i>Medical Devices, Diseases, & Global Health</i>

Biomechanics & Neural Engineering

BMD_ENG 365	<i>Control of Human Limbs and Their Artificial Replacements</i>
BMD_ENG 353	<i>Biomechanics of Movement</i>
BMD_ENG 463	<i>Advanced Signal Processing Methods in Neuropathology</i>
BMD_ENG 465	<i>Biomechanical Modeling and Computer Simulation of Human Movement</i>

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Related Coursework: Mechanical & Electrical Engineering

MECH_ENG 340-1	<i>Computer-Integrated Manufacturing I: Manufacturing Processes</i>
MECH_ENG 340-2	<i>Computer-Integrated Manufacturing II: CAD/CAM</i>
MECH_ENG 314	<i>Theory of Machines – Dynamics</i>
MECH_ENG 390	<i>Introduction to Dynamic Systems</i>
MECH_ENG 327	<i>Finite Elements: Methods in Mechanics</i>
ELEC_ENG 435	<i>Deep Learning Foundations from Scratch</i>