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The Department of Biomedical Engineering offers the Master of Science degree in Biomedical Engineering and the Doctor of Philosophy degree in Biomedical Engineering.

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Microelectromechanical systems (MEMS, also written as micro-electro-mechanical, MicroElectroMechanical or microelectronic and microelectromechanical systems and the related micromechatronics) is the technology of microscopic devices, particularly those with moving parts. It merges at the nano-scale into nanoelectromechanical systems (NEMS) and nanotechnology.

Microelectromechanical systems - Wikipedia

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1: Offered jointly with the School of Biological Sciences and The Paul Merage School of Business. See School of Biological Sciences section of the Catalogue for information.. 2: Offered jointly with the Donald Bren School of Information and Computer Sciences.

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Biology, Engineering and Medicine - OA Text

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A lab-on-a-chip (LOC) is a device that integrates one or several laboratory functions on a single integrated circuit (commonly called a "chip") of only millimeters to a few square centimeters to achieve automation and high-throughput screening. LOCs can handle extremely small fluid volumes down to less than pico-liters. Lab-on-a-chip devices are a subset of microelectromechanical systems (MEMS ...

Lab-on-a-chip - Wikipedia

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