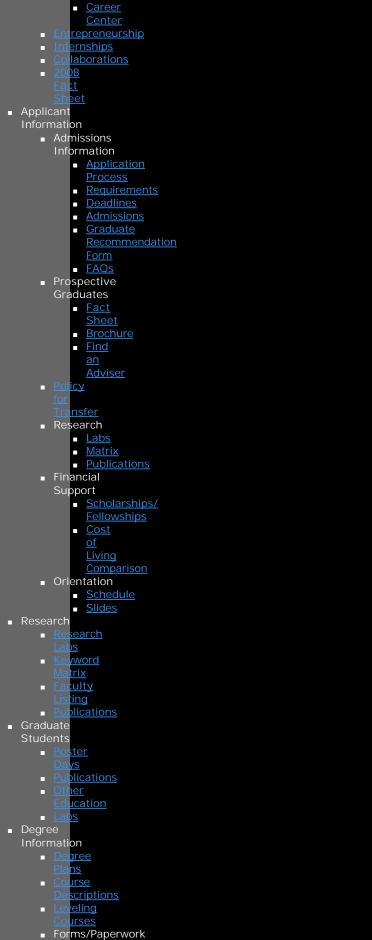
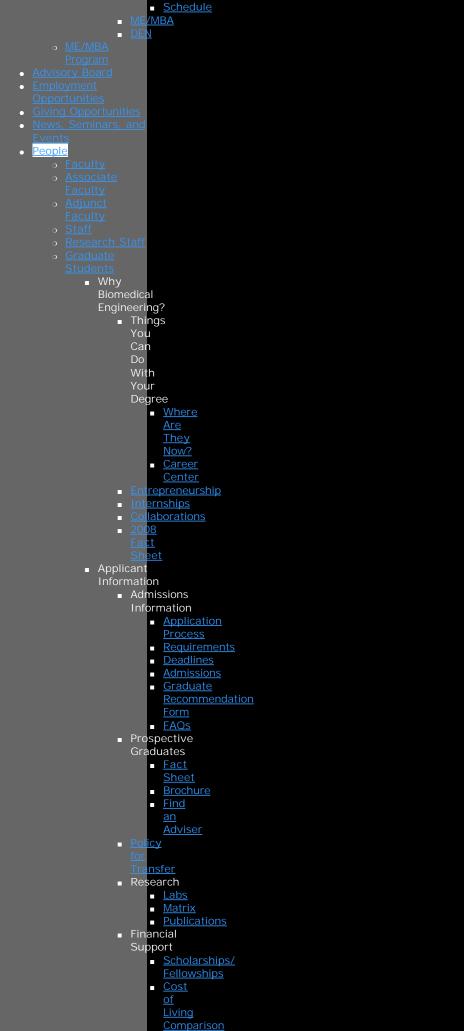
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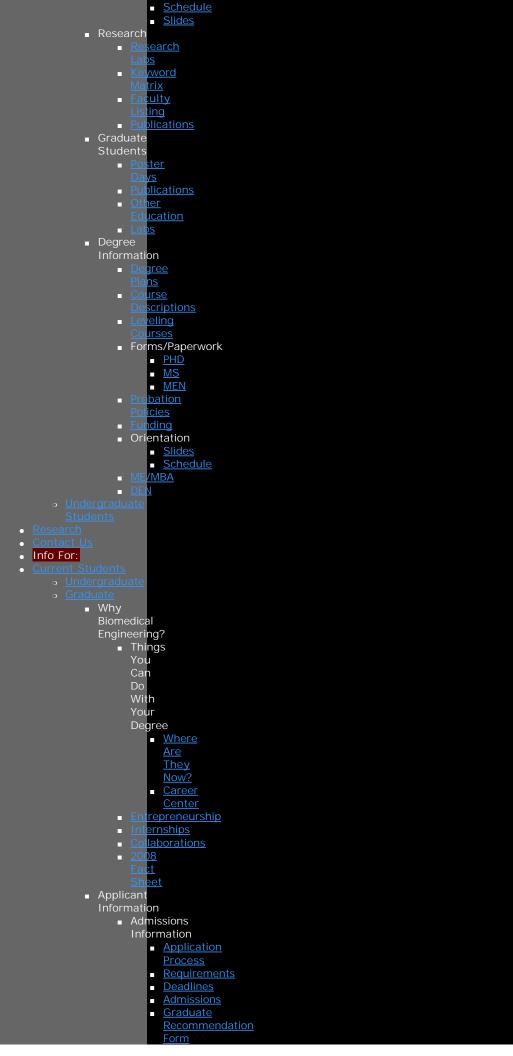
"The most exciting aspects of my research are taking technology from the white board to human trials and the potential of these devices to significantly improve therapeutic outcomes in stroke patients." **Biomaterials** п o<u>medical</u> cro/Nanoscale vices diaQuncan Maitland has worked as an engineer in aerospace, national defense п channels biomedical applications since 1985. Prior to his doctoral research he ulawas employed in the aerospace industry for four years where he performed Duncan J Maitland mefileshieptic sensor research and managed a group developing fly-by-light Associate Professor of Biomedical ntinflight control systems. In 1995 Duncan Maitland received his Ph.D. in Engineering Office: 335D Zachry Phone: 979-458-3471 meBigmedical Engineering from Northwestern University where he studied tissue e denaturation kinetics using polarized light. After his Ph.D., he worked at п Email: ilities wrence Livermore National Laboratory for twelve years where he led the ane Medical Technology Program. Dr. Maitland has 40 publications and 8 granted Education: Post doc, Computational Physics, Lawrence Livermore National sonpatents, has commercialized three medical devices, serves on several NIH Imaginstudy sections and has received peer-reviewed funding from NIH, DOE and Laboratory, 1997 Ph.D., Biomedical Engineering, dice SF. Current research projects include endovascular interventional devices, Northwestern University, 1995 M.S., Physics, Cleveland State University, 1989 B.E.E., Electrical Engineering, vicemicroactuators, optical therapeutic devices and basic device-body steringeractions/physics including computational and experimental techniques. fety Cleveland State University, 1985 lecullerywords **Biomechanics** Nanonpatonialerials Laser-tissue interactions photoeissentional cardiovascular devices ticalmage-guided therapies Computational physics lecular Imaging Optical п sensing hopedic sensing hopedic п mechanics **Biomaterals Tissue** roscopy © Copyright 2005 Department of Biomedical Engineering | Dwight Look College of Engineering | **Biomedical** Engineering? Things You Can With Your Degree <u>Where</u> They



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