

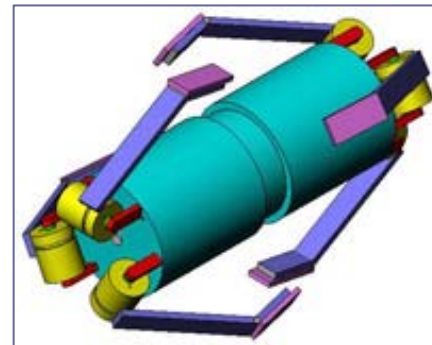
CURRICULUM IN APPLIED SCIENCES AND ENGINEERING

THE COLLEGE OF ARTS & SCIENCES



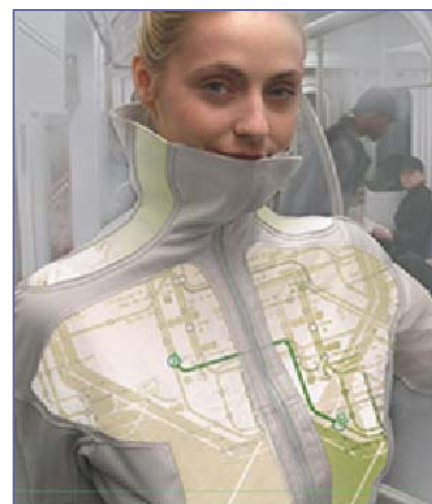
THE UNIVERSITY
of NORTH CAROLINA
at CHAPEL HILL

CASE, the Curriculum in Applied Science and Engineering, is a strategic new initiative in the College of Arts & Science designed to foster cutting-edge interdisciplinary research in the sciences, and to deliver curricula preparing students for that research. Students joining CASE will gain the knowledge needed to be at the forefront of the next technology revolution, and will develop the leadership skills required to create their own research teams and companies. CASE students will be educated to address pressing technical problems confronting the world in areas such as alternative energy, nanomedicine, cyber security, and environmental preservation. They will learn to balance theory and experiment in fundamental and applied sciences, within a unique environment of learning and exploration.



Nanobots

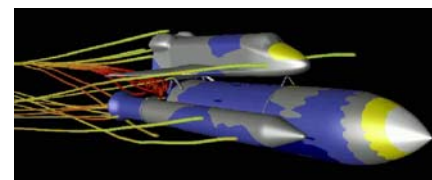
Degree Offerings - CASE degree offerings will reflect areas of critical need. Currently, degrees are offered in Materials Science and Biomedical Engineering in close coordination with the School of Medicine. For the class of 2012, degrees under development include Biological Physics and Energy Sciences. CASE has delineated a set of math and science foundation courses for the first two years of undergraduate study so that focus-area and degree-programs may be selected after students have a better understanding of career paths. Elective courses can be tailored to each applicant's needs and interests. And, it is possible to minor in entrepreneurship as well.



Flexible Displays

Faculty Contacts - To find out more about academic options in CASE, please contact one of the faculty mentors below before arriving on campus:

Analytical Materials Science	Nancy Albritton.....	nlallbri@unc.edu
Applied Math.....	Gregory Forest.....	forest@amath.unc.edu
Biological Physics.....	Richard Superfine..	rsuper@physics.unc.edu
Biomedical Engineering.....	Richard Goldberg.....	rlg@bme.unc.edu
Materials Chemistry.....	Edward Samulski.....	et@unc.edu
Materials Science.....	Rene Lopez.....	rln@email.unc.edu
Mathematical Biology.....	Laura Miller.....	lam9@email.unc.edu
Nanomaterials.....	Sergei Sheiko.....	sergei@email.unc.edu
Nanomedicine.....	Joseph DeSimone.....	desimone@unc.edu
Polymer Chemistry.....	Valerie Ashby.....	ashby@email.unc.edu
Soft Matter.....	Michael Rubinstein.....	mr@unc.edu



Fluid Dynamics

Your faculty mentor will ensure that you have a flexible and responsive curriculum, and that you have opportunities to explore the entire landscape of applied sciences and engineering, as well as hands-on research experiences and direct exposure to the entrepreneurial dimensions of CASE degree programs.

