WHAT CAN GERONTOLOGY at UNCC ADD TO YOUR ENGINEERING DEGREE?

UNC Charlotte offers an Undergraduate Minor, Graduate Certificate and Master’s Degree in Gerontology

WHAT IS GERONTOLOGY?

Gerontology is the study of aging and older adults. Students of gerontology study not only physiological changes that occur with aging, but also social roles, normative expectations, attitudes and beliefs, stereotypes, and policy, health and economic issues which define the aging experience.

HOW DOES GERONTOLOGY COMPLEMENT MY ENGINEERING DEGREE?

Innovations in engineering are aimed at providing enough supervision to make it possible for elderly people to stay in their homes rather than move to an assisted-living facility or nursing home, and in truth many of the systems are godsend for families. A background in Gerontology will aid the next-generation engineers to champion new technology to enable adult children to monitor, to a stunningly precise degree, the daily movements and habits of their aging parents.
WHAT UNC CHARLOTTE FACULTY SPECIALIZE IN THIS AREA AND WHAT ARE THEIR RESEARCH INTERESTS?

Aravind Kailas, Ph.D., Aravind.Kailas@uncc.edu, Woodward Hall 230E. Diversity techniques and decentralized cooperative protocols in energy-constrained networks, energy harvesting and power-aware system design for wireless networks, pervasive health care and body area networks (BANs), m-Health solutions for smart health and well-being.

Parminder Juneja, Ph.D., pjuneja@uncc.edu, Smith 241. Economic and behavioral decision theory and multi-criteria decision modeling for Cost Effective Environmental Interventions for Healthier Facilities; Technically Smarter Facilities Management for Higher Productivity and Resource Efficiency; Modeling human factors to promote zero-accident culture in the healthcare and construction industry.

Martin Kane, Ph.D., mrkane@uncc.edu, Cameron 140. Associate Professor of Civil Engineering.

Nigel Zheng, Ph.D., nzheng@uncc.edu, Duke Centennial Hall 201. Orthopedic Biomechanics, Human Motion Analysis, Fall Prevention, Sports Injuries and Rehabilitation.

WHAT ARE SOME CAREER RESOURCES BEYOND UNCC?

AARP www.aarp.org
Association for Gerontology in Higher Education Careers in Aging
www.careersinaging.com/careersinaging/ 
The Gerontological Society of America Careers in Gerontology
www.geron.org/StudentOrg/careers.htm
Southern Gerontological Society http://www.wfu.edu/gerontology/sgs/
UNC Institute on Aging http://www.aging.unc.edu/
Tiger Place, Columbia, MO
http://www.americareusa.net/independent_living/Columbia_MO/zip_65201/
  americare/1335
http://eldertech.missouri.edu/people.php

FOR MORE INFORMATION at UNCC ABOUT

The Gerontology Program:
Dr. Julian Montoro-Rodriguez, Program Director at jmontoro@uncc.edu or 704-687-6166.

The Gerontology Graduate Certificate or MA or Research:
Dr. Mike Turner, Research Coordinator at miturner@uncc.edu or 704-687-0867

The Undergraduate Gerontology minor:
Dr. Cynthia Hancock, Undergraduate & Service-Learning Coordinator at chancock@uncc.edu or 704-687-7807.

Visit the Gerontology Program website: www.gerontology.uncc.edu

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