MAY 16

SPRING 2019
Blackburg
DOCTOR OF PHILOSOPHY

COLLEGE OF AGRICULTURE AND LIFE SCIENCES

AGRICULTURAL AND EXTENSION EDUCATION

Bass, Robert Tyrone
Black Leaders in the Triad Area of North Carolina: A Narrative Inquiry Analysis of Self-Determination Through Critical Race Theory
Committee Chair: Prof. K. L. Niewolny

Cook, Natalie Ebony
Transformative Evaluation Capacity Building: ECB as a Site for Social Transformation
Committee Chair: Prof. T. G. Archibald

Greaud, Michelle L.
Preparation of Career and Technical Education Teachers to Work with Students with Special Needs
Committee Chair: Prof. D. M. Westfall-Rudd

Manchester, Steven James
Committee Chair: Prof. E. K. Kaufman

Omosa, Oladayo Olukayode
Towards Defining and Mainstreaming
Committee Chair: Prof. T. G. Archibald

Woodward, Patricia Lane
Agriculture Teacher Creative Identity and Creative Behavior
Committee Chair: Prof. R. D. Rudd

ANIMAL AND POULTRY SCIENCES

Brandt, Amanda Maverick
Regulation of Satellite Cells by Extrinsic Factors During Recovery from Exercise in Horses
Committee Chair: Prof. S. E. Johnson

Ryu, Junghyun
Use of CRISPR/CAS9 System During Embryogenesis in Pig
Committee Chair: Prof. K. Lee

ANIMAL SCIENCE, DAIRY

Steele, Nicole Margaret
On-farm Strategies for the Prevention and Detection of Gram-specific Clinical Mastitis in Dairy Cows
Committee Chair: Prof. C. S. Peterson-Wolfe

BIOCHEMISTRY

Adepoju, Olusegun Adeboye
Elucidating the Inositol Pyrophosphate Synthesis Pathway in Plants
Committee Chair: Prof. G. E. Gillaspy

Casasanta, Michael Anthony
Laying the Genetic and Molecular Foundation for the Study of Fusobacterium Nucleatum in Relation to Human Health and Disease
Committee Chair: Prof. D. J. Slade

EIahi, AEM Rubayet
Proteome-wide Functional Profiling of Serine Hydrolases in the Human Malaria Parasite
Committee Chair: Prof. M. W. Kiemba

CROP AND SOIL ENVIRONMENTAL SCIENCES

Alvarez-Campos, Maria Odiney
Assessment of Exceptional Quality Biosolids for Urban Agriculture
Committee Chair: Prof. G. K. Evanylo

DOCTORAL DEGREES
THE GRADUATE SCHOOL
Dean Karen P. DePauw
Blacksburg

ECONOMICS

Cao, Xiang
Essays on Environmental Economics with a Focus on Non-market Valuation
Committee Chair: Prof. K. Boyle

Yang, Yanliang
Three Essays on Money Input and Time Input in Food Poverty Measurement and Healthy Eating Index
Committee Chair: Prof. W. You and Prof. G. C. Davis

FOOD SCIENCE AND TECHNOLOGY

Ma, Shuhi
Comparison of Analytical Methods for the Quantification of Total Polyphenols in Fruit Juice and Beverages
Committee Chair: Prof. A. C. Stewart

Masri, Hassan Mohamed
Evaluating Post-harvest Practices on the Quality and Safety of Kona Coffee
Committee Chair: Prof. J. D. Elffert

HUMAN NUTRITION, FOODS AND EXERCISE

Allen, Mitchell Edison
Mitochondrial Structure-Function in Health and Disease
Committee Chair: Prof. D. A. Brown

Donnelly, Sarah Rebecca
Temporal Examination of DNA Methylation Profile Reprogramming in the Promoter Region of PGC-1 During the Progression of Insulin Resistance and Type 2 Diabetes Mellitus in Rodent Models
Committee Chair: Prof. M. W. Hulver and Prof. Z. Cheng

Houghtaling, Bailey Elizabeth
Prioritizing Food Retailer Perspectives for Environmental Change in Food Stores to Encourage Healthier Dietary Purchases Among Low-Income Consumers in the United States
Committee Chair: Prof. E. L. Serrano

Luo, Jing
The Role of GPR30 in Metabolism
Committee Chair: Prof. D. Liu

Perry, Justin Bradley
Novel Approaches to Treat Mitochondrial Complex-I Mediated Defects in Disease
Committee Chair: Prof. D. A. Brown

Tao, Zhipeng
Estrogen Signaling Interacts with Sirt1 in Adipocyte Autophagy
Committee Chair: Prof. D. Liu and Prof. Z. Cheng

Williams, Brian Oubreyn
Heart Rate Kinetics and Control Chart Violations Effect on Physical Demands and Fatigue Prediction in College Aged Soccer Players
Committee Chair: Prof. J. H. Williams
Yuhas, Maryam
Improving Rural Health Disparities: Understanding and Addressing Intake of Added Sugars and Sugar-Sweetened Beverages Among Adults and Adolescents
Committee Chair: Prof. M. I. Frisard

PLANT PATHOLOGY, PHYSIOLOGY AND WEED SCIENCE

Acharya, Bhupendra
Integrated Management of Anthracnose and Grain Mold Diseases in Grain Sorghum Under Mid-Atlantic Conditions
Committee Chair: Prof. H. L. Mehli

Dickinson, Christopher Cody
The Establishment and Chemical Ecology of Toxicodendron Radicans
Committee Chair: Prof. J. G. Jelesko and Prof. J. Barney

Zhou, Tian
Integrated Management of Soybean Foliar Diseases: Development of a Fungicide Application Decision Aid and Assessment of Fungicide Resistance of Soybean Pathogens in the Mid-Atlantic
Committee Chair: Prof. H. L. Mehli

COLLEGE OF ARCHITECTURE AND URBAN STUDIES

ARCHITECTURE AND DESIGN RESEARCH

Al-Rqaibat, Sana’a Mohammad
A Framework for the Implementation of Digital Technologies in the Concept Stage of the Architectural Design Process
Committee Chair: Prof. J. R. Jones

Alfadil, Mohammad Omar
Design Tool for a Ground-Coupled Ventilation System
Committee Chair: Prof. J. R. Jones

ENVIRONMENTAL DESIGN AND PLANNING

Saxton, Maria Wimberly
The Ecological Footprints of Tiny Home Downsizers: An Exploratory Study
Committee Chair: Prof. A. R. Pearce

Xiong, Yunjie
A BIM-based Interoperability Platform in Support of Building Operation and Energy Management
Committee Chair: Prof. G. Rechard

PLANNING, GOVERNANCE, AND GLOBALIZATION

Apriliani, Putu Desy
It Takes a Village To Do Microfinance Right: Effects of Microfinance on Gender Relations in Bali
Committee Chair: Prof. J. Rothschild

Mahdu, Omchand
The Impacts of Climate Change on Rice Production and Small Farmers’ Adaptation: A Case of Guyana
Committee Chair: Prof. Y. Zhang and Prof. T. E. Schenk

Netto, Brett Raymond
Russia and International Society from Peter the Great to Vladimir Putin: The Search for Power and Status
Committee Chair: Prof. I. Stivachtis

Wei, Rongrong
Local Fiscal Sustainability Within American Federalism
Committee Chair: Prof. M. M. Cowell

Zaarour, Khodr M.
Varying Views of Democracy Among Iraqi Citizens, 2005-2018
Committee Chair: Prof. K. M. Hult and Prof. J. Rothschild

PAMPLIN COLLEGE OF BUSINESS

BUSINESS, ACCOUNTING AND INFORMATION SYSTEMS

Parlier, Jennifer Ashley
The Client Acceptance and Retention Process: How Policies and Procedures Are Developed and Implemented Within Audit Firms
Committee Chair: Prof. J. G. Jenkins

Wetmiller, Rebecca J.
The Copycat Effect: Do Social Influences Allow Peer Team Members’ Dysfunctional Audit Behaviors to Spread Throughout the Audit Team?
Committee Chair: Prof. R. Barkhi

BUSINESS, BUSINESS INFORMATION TECHNOLOGY

Goldberg, David Michael
Automated Extraction of Product Feedback from Online Reviews: Improving Efficiency, Value, and Total Yield
Committee Chair: Prof. A. S. Abrahams

BUSINESS, MARKETING

Mukherjee, Sudipta
Three Essays on Price Contexts and Price Perceptions
Committee Chair: Prof. M. Pandelare and Prof. F. D. May

COLLEGE OF ENGINEERING

AEROSPACE ENGINEERING

Jackson, Charles Wilson
Truncation Error Based Mesh Adaptation and Its Application to Multi-Mesh CFD
Committee Chair: Prof. C. J. Roy

Jones, Matthew Cecil
Accelerating Conceptual Design Analysis of Marine Vehicles Through Deep Learning
Committee Chair: Prof. E. G. Paterson

McClelland, Hunter Grant
Towards Detecting Atmospheric Coherent Structures Using Small Fixed-Wing Unmanned Aircraft
Committee Chair: Prof. C. A. Woolsey

Wang, Guanyao
Harvesting Environmental Thermal Energy Using Solid/Liquid Phase Change Materials (PCMs)
Committee Chair: Prof. K. G. Wang

Webster, John Ackroyd
Design and Analysis of Low Reynolds Number Marine Propellers with Computational Fluid Dynamics (CFD) Transition Modeling
Committee Chair: Prof. W. L. Neu and Prof. D. J. Stilwell

BIOPHYSICAL SYSTEMS ENGINEERING

Tanniche, Imen
New Methods of DNA Assembly, Gene Regulation with a Synthetic sRNA, and Cyanobacterium Phenotype Monitoring with Raman Spectroscopy
Committee Chair: Prof. R. S. Senger

Valayamkunnath, Prasanth
Changing Hydrologic Regimes: Understanding the Role of Anthropogenic-induced Changes
Committee Chair: Prof. W. C. Hession

BIOMEDICAL ENGINEERING

Bland, Megan Lindsay
Assessing the Efficacy of Bicycle Helmets in Reducing Risk of Head Injury
Committee Chair: Prof. S. Rowson, Jr.

Campolattano, Eamon Thomas
Quantifying Postural Control, Concussion Risk, and Helmet Performance in Youth Football
Committee Chair: Prof. S. Rowson, Jr.

Cristino, Danielle M.
Lower Extremity Biomechanical Response of Female and Male Post-Mortem Human Surrogates to High-Rate Vertical Loading During Simulated Under-Body Blast Events
Committee Chair: Prof. W. N. Hardy

Dong, Xu
Material-specific CT for Molecular X-ray Imaging in Biomedical Research
Committee Chair: Prof. G. Cao

Kenny, Melissa Carol
Structural and Physical Characterization of Insect Flow Systems
Committee Chair: Prof. J. Socha

Renner, Kristen Elizabeth
Assessing Limb Symmetry Using the Clinically Accessible Loadsoff®
Committee Chair: Prof. R. M. Queen

Thompson, Marc Aaron
Keratin Microparticles for Drug and Cell Delivery
Committee Chair: Prof. M. Van Dyke

Zhao, Huaning
The Compensatory Mechanism of the Endothelial-pericyte Interaction in Diabetic Retinopathy
Committee Chair: Prof. J. C. Chappell
CHEMICAL ENGINEERING

Ansari, Mubashir Qamar
Generation of Thermotropic Liquid Crystalline Polymer (TLCP)-Thermoplastic Composite Filaments and Their Processing in Fused Filament Fabrication (FFF)
Committee Chair: Prof. D. G. Baird

Chang, Yow-Ren
The Effect of Topography on Surface Behaviors of Pseudomonas aeruginosa
Committee Chair: Prof. W. A. Ducker

Dickmann, James Scott
Volumetric Properties and Viscosity of Fluid Mixtures at High Pressures: Lubricants and Ionic Liquids
Committee Chair: Prof. E. Kiran

Li, Wenhui
Connecting Thermodynamics and Kinetics of Ligand Controlled Colloidal Pd Nanoparticle Synthesis
Committee Chair: Prof. A. M. Karim

Lu, Yubing
Structural and Kinetic Study of Low Temperature Oxidation Reactions on Ir Single Atoms and Subnanometer Clusters
Committee Chair: Prof. A. M. Karim

Murphy, Travis Wilson
Microfluidic Tools for Molecular Analysis and Engineering
Committee Chair: Prof. C. Lu

Sarma, Mimosa
Microfluidics for Transcriptomics and Epigenomics
Committee Chair: Prof. C. Lu

Yu, Jianger
Establishing the Conditions for Stable Extrusion of Melt Spun Polycrylonitrile with Water Based Plasticizers
Committee Chair: Prof. D. G. Baird

CIVIL ENGINEERING

Almanna, Mohammed Hamad
Bi-level Control of Bike Sharing System: Dynamic Prediction and Balancing
Committee Chair: Prof. H. A. Rakha

Bongioanni, Vincent Italo
Enhancing Network-Level Pavement Macrotexture Assessment
Committee Chair: Prof. G. W. Flintsch

Dhulipala, Lakshmi Narasimha Somayajulu
Bayesian Methods for Intensity Measure and Ground Motion Selection in Performance-Based Earthquake Engineering
Committee Chair: Prof. M. M. Flint

Hixon, Lee Franklin
Potential and Quantification of Street Sweeping Pollutant Reductions Towards Addressing TMDL WLAs for MS4 Compliance
Committee Chair: Prof. R. L. Dymond

Iskander, Syeed Md
Advanced Technologies for Resource Recovery and Contaminants Removal From Landfill Leachate
Committee Chair: Prof. Z. He

Ismael, Dalya Nabil Fathy
Goal Framing to Encourage More Sustainable Decisions for the Built Environment Across Cultures
Committee Chair: Prof. E. W. Shealy III

Klaus, Stephanie Anne
Intensification of Biological Nutrient Removal Processes
Committee Chair: Prof. A. J. Pruden-Bagchi

Mah, Joshua Turin
Microbial Communities in Thermal Hydrolysis Pretreatment Anaerobic Digesters
Committee Chair: Prof. J. T. Novak and Prof. A. N. Godrej

Mantilla Pena, Carlos Fernando
Evaluation of In-service Residential Water Meters: Analysis of Registration Error and Meter Infrastructure Upgrades
Committee Chair: Prof. M. A. Widdowson and Prof. G. D. Boardman

Musick, Ryland Wayne
Incorporating Network Surface Friction Data and Safety Performance Functions to Enhance Project Selection in the West Virginia Highways Safety Improvement Program and Strategic Highway Safety Plan
Committee Chair: Prof. G. W. Flintsch

Rivera Rojas, Alfonso Jose
Lateral Response of Stiff Column-supported Shallow Foundations
Committee Chair: Prof. T. L. Brandon and Prof. C. G. Olgun

Zou, Shiqiang
Advancing Forward Osmosis for Energy-efficient Wastewater Treatment Towards Enhanced Water Reuse
Committee Chair: Prof. Z. He

COMPUTER ENGINEERING

Ghanem, Ahmed Mohamed
Sustainable and Energy Efficient Multi-Modal Transportation Modeling and Route Planning in Urban Cities
Committee Chair: Prof. H. A. Rakha

Guo, Shengjian
Efficient Symbolic Execution of Concurrent Software
Committee Chair: Prof. M. S. Hsiao and Prof. C. Wang

Liu, Qingyu
Maximum-Delay-Aware Routing in a Multi-Hop Network: Hardness, Algorithms, and Critical Applications
Committee Chair: Prof. H. Zeng

Lyerly, Robert Frantz
Popcorn Linux: A Compiler and Runtime for Execution Migration Between Heterogeneous-ISA Architectures
Committee Chair: Prof. B. Ravindran

Wu, Meng
Automation on Timing Side Channel Detection & Mitigation
Committee Chair: Prof. P. R. Schaumont

COMPUTER SCIENCE AND APPLICATIONS

Arango Argoty, Gustavo Alonso
Computational Tools for Annotating Antibiotic Resistance in Metagenomic Data
Committee Chair: Prof. L. Zhang

Ekhtiari Amiri, Sorour
Task-specific Summarization of Networks: Optimization and Learning
Committee Chair: Prof. B. A. Prakash

Elsherbiny, Noha Ibrahim Mohamed
Using Traceability to Improve the Practicality of Alignment Models
Committee Chair: Prof. S. H. Edwards

Ma, Yufeng
Going Deeper with Images and Natural Language
Committee Chair: Prof. E. A. Fox and Prof. W. Fan

Raisi, Elaheh
Weakly Supervised Machine Learning for Cyberbullying Detection
Committee Chair: Prof. B. Huang

ELECTRICAL ENGINEERING

Allen, Noah Patrick
Characterization of GaN PN Diode Drift Layers for High Power Applications
Committee Chair: Prof. L. J. Guido

Bhela, Siddharth
Power Grid Probing for Load Learning
Committee Chair: Prof. V. Kekatos

Debeschdury, Shantanab
Parameter Estimation from Retarding Potential Analyzers in the Presence of Realistic Noise
Committee Chair: Prof. G. D. Earle

Dimedi, Kevin Paul
A Curvature-Corrected Rough Surface Scattering Theory Through the Single-Scatter Subtraction Method
Committee Chair: Prof. G. S. Brown

Edwards, Thomas Raymond
A Suite of Ionospheric Electrodynamics Models
Committee Chair: Prof. D. R. Weimer

Eldosouky Mahmoud Salama, Abdelrahman A.
Cyber-Physical Resilience of Critical Infrastructure: Fundamentals and Optimization
Committee Chair: Prof. W. Saad

Herrera, Daniel Jeffrey
Sulfur & Beryllium Implanted Diodes for Thermophotovoltaic Systems
Committee Chair: Prof. L. F. Lester

Lin, Dong
Solar Wind-Magnetosphere-Ionosphere Coupling: Multiscale Study with Computational Models
Committee Chair: Prof. W. A. Scales

Park, Shinwoong
Reconfigurable Discrete-time Analog FIR Filters for Wideband Analog Signal Processing
Committee Chair: Prof. S. Raman
Sharaf Dabbagh, Yaman
Security and Privacy for Internet of Things: Authentication and Blockchain
Committee Chair: Prof. W. Saad

Shi, Xueling
Occurrence Statistics and Driving Mechanisms of Ionospheric Ultra-Low Frequency Waves Observed by SuperDARN Radars
Committee Chair: Prof. J. M. Ruohoniemi and Prof. J. B. Baker

Wang, Chen
Renewable Energy Integrated Power System Stability Assessment with Validated System Model Based on PMU Measurements
Committee Chair: Prof. V. A. Centeno

Zhao, Xiaonan
High-Efficiency and High-Power Density DC-DC Power Conversion Using Wide Bandgap Devices for Modular Photovoltaic Applications
Committee Chair: Prof. J. S. Lai

ENGINEERING EDUCATION

Gillen, Andrew Luke
A Multiple Case Study of an Interorganizational Collaboration: Exploring the First Year of a Public-Private Partnership Focused on Secondary STEM Education
Committee Chair: Prof. J. R. Grohs

Maczka, Darren Kurtis
Computing Trajectories: Pathways into Computer Science and Programming Experience in the First Year
Committee Chair: Prof. J. R. Grohs

Soledad, Michelle Millete
Understanding the Teaching and Learning Experience in Fundamental Engineering Courses
Committee Chair: Prof. J. R. Grohs

ENGINEERING MECHANICS

Ahmadi, Seyedfarzad
Dynamical Phase-Change Phenomena
Committee Chair: Prof. J. B. Boreyko

Chattopadhyay, Arka Prabha
Free and Forced Vibration of Linearly Elastic and St. Venant-Kirchhoff Plates Using the Third Order Shear and Normal Deformable Theory
Committee Chair: Prof. R. C. Batra

Chien, Ssu-Ying
Compressible Lubrication Theory in Pressurized Gases
Committee Chair: Prof. M. S. Cramer

Nolan, Peter Joseph
Experimental and Theoretical Developments in the Application of Lagrangian Coherent Structures to Geophysical Transport
Committee Chair: Prof. S. D. Ross

INDUSTRIAL AND SYSTEMS ENGINEERING

Garside, Kristine Dianne Cantin
Behavioral Monitoring to Identify Self-Injurious Behavior Among Children with Autism Spectrum Disorder
Committee Chair: Prof. M. A. Nussbaum

Krausman, Andrea S.
Understanding the Impact of Communication Delays on Distributed Team Interaction
Committee Chair: Prof. B. M. Kleiner

Nguyen, Ngoc Thu
Robust and Efficient Testing Design for Prevalence Estimation of Emerging Diseases Under Limited Resources
Committee Chair: Prof. E. K. Bish

Sadeghzadeh, Seyedehsaloumeh
Optimal Biomarker Testing and Subject Classification Under Limited Information
Committee Chair: Prof. E. K. Bish

Singh, Sanchit
Modeling, Analysis, and Algorithmic Development of Some Scheduling and Logistics Problems Arising in Biomass Supply Chain, Hybrid Flow Shops, and Assembly Job Shops
Committee Chair: Prof. S. C. Sarin

MATERIALS SCIENCE AND ENGINEERING

Gao, Shan
Two-dimensional Mapping of Interface Thermal Resistance by Transient Thermal Impedance Measurement
Committee Chair: Prof. G. Lu

Seaman, Shane Thomas
Material-Related Effects on the Structural-Thermal-Optical Performance of a Thermally-Tunable Narrowband Interferometric Spectral Filter
Committee Chair: Prof. J. R. Hefflin

MINING ENGINEERING

Mullendore, Marina Anita Jacqueline
Assessment of the Geological Storage Potential of Carbon Dioxide in the Mid-Atlantic Seaboard: Focus on the Outer Continental Shelf of North Carolina
Committee Chair: Prof. N. S. Ripepi
COLLEGE OF LIBERAL ARTS & HUMAN SCIENCES

CAREER AND TECHNICAL EDUCATION

Tomlinson, Diane C.
Perceptions of Selected Stakeholders About Enrollment in Career and Technical Education Courses and Programs That Are Non-traditional by Gender
Committee Chair: Prof. W. T. Price, Jr.

Woo, JiHyun
Integrating Global Competencies into Business and Information Technology and Marketing Education Curricula
Committee Chair: Prof. W. T. Price, Jr.

COUNSELOR EDUCATION

Jordon, Alexander Matthew
Multicultural Competence for Counseling Students Experiencing Cultural Immersion
Committee Chair: Prof. L. E. Welfare

Mabry, Challen Marie
Professional Counselors Self-Perceived Multicultural Counseling Competency Practicing in Rural, Suburban, & Urban Communities
Committee Chair: Prof. L. B. Farmer

Ripley, Dana Marie
Counseling Interventions with Buprenorphine for Treatment of Opioid Use Disorders
Committee Chair: Prof. L. E. Welfare

Robino, Ariann E.
The Human-Animal Bond and Attachment in Animal-Assisted Interventions in Counseling
Committee Chair: Prof. L. E. Welfare

CURRICULUM AND INSTRUCTION

Arnold, Amy Joan
Constructing Guidelines for Practicing Professionals Teaching Continuing Professional Development in Online Environments
Committee Chair: Prof. B. B. Lockee

Bass, Erika Lynn
Examining a Place-Based Curriculum for High-Performing Learners: A Place-Based, Critical, Dialogic Curriculum for High-Performing Rural Writers
Committee Chair: Prof. T. T. Stewart

Biviano, Amanda C.
Exploring the Possibility of a Sociocultural Disability Focused Curriculum in English Language-Arts
Committee Chair: Prof. B. S. Billingsley and Prof. A. P. Azano

Hilder, Janet Lynn
The Impact of Textual Display Strategies on Learning from Electronic Presentations
Committee Chair: Prof. B. B. Lockee

Keller, Rachel Elizabeth
Failure to Reject the p-value is Not the Same as Accepting It: The Development, Validation, and Administration of the KPVM Instrument
Committee Chair: Prof. G. E. Skaggs and Prof. C. L. Ulrich

Krachenfels, Jessica Tanya
Interactive Science Notebooks: Exploring the Extent Which Integrating a New Learning Tool Supports Self-Efficacy in Expressing Science Content Knowledge and Interest in Pursuing a STEM Related Career
Committee Chair: Prof. B. D. Bowen

Lindstrom, Pamela Neal
Entering the Conversation: A Novice Teacher's Approach to Dialogic Pedagogy in Literary Explorations of Difference
Committee Chair: Prof. T. T. Stewart

Mullins, Ricky Dale
Dewey, Disability, and Democratic Education
Committee Chair: Prof. D. Hicks and Prof. T. O. Williams, Jr.

Nino, Miguel Alfonso
Digital Game-Based Learning in K-12 Classrooms: Studying Effectiveness and Influential Factors in Instruction
Committee Chair: Prof. K. S. Cennamo

Radke, Annemarie Katherine
Design and Development of a Metadata-Driven Search Tool for Use with Digital Recordings
Committee Chair: Prof. K. R. Potter

Stephenson, Jessica R.
Place-based Science Education in Appalachia
Committee Chair: Prof. G. E. Glasson

Young, Denise Halsey
The Effects of an Academic Bridge Program on Community College Transfer Students' Motivational Beliefs: Examining Students' Perceptions of Academic and Career Goals in Science
Committee Chair: Prof. B. D. Jones

Zwanch, Karen Virginia
Number Sequences as Explanatory Models for Middle-Grades Students' Algebraic Reasoning
Committee Chair: Prof. J. L. Wilkins

HIGHER EDUCATION

McGlathlin Lester, Marlena Brooke
Understanding Academic Advising at Institutions with a First-Year Engineering Program
Committee Chair: Prof. H. Matusovich

HUMAN DEVELOPMENT

Borowski, Shelby Catherine
The Impact of Flexible Work Arrangements on Physical Activity: A Daily Diary Study
Committee Chair: Prof. J. S. Savla and Prof. A. Zvonkovic

Cox, Natasha Amanda
Becoming a Black Man: A Qualitative Examination of Identity Management, Sense of Belonging, and Informal Support Systems of Black Transmen
Committee Chair: Prof. A. L. Few-Demo

Naar, Jill Juris
Uncovering the Processes by Which Grandparent Couples in Encore Adulthood Engage in Family Leisure
Committee Chair: Prof. A. Zvonkovic

Stephen Premo, Jessica Lynnee
Adolescent Trauma Treatment in Integrated Primary Care: A Modified Delphi Study
Committee Chair: Prof. E. L. Grafsky

RHETORIC AND WRITING

Garahan, Katie Lynn
Deliberation, Dissent, and Advocacy: A Rhetorical Study of Teachers' Lived Experiences with Education Reform
Committee Chair: Prof. K. M. Powell

Hutchison, Allison Brooke
Assessing the Feasibility of Online Writing Support for Technical Writing Students
Committee Chair: Prof. C. Evia Puerto

Kulak, Andrew Michael
Rhetoric Beyond the Digital/Physical Divide: The Internet and Digital and Physical Hybridity
Committee Chair: Prof. K. E. Pender

SCIENCE AND TECHNOLOGY STUDIES

Croker, Trevor D.
Materials of the Cloud: From Utility to Control
Committee Chair: Prof. J. E. Abbate

Fried, Samantha Jo
Landscap(e) in Contexts: Deconstructing and Reconstructing the Data-to-Action Paradigm in Earth Remote Sensing
Committee Chair: Prof. S. E. Halton

SOCIAL, POLITICAL, ETHICAL, AND CULTURAL THOUGHT

Alphin, Caroline Grey
Living on the Edge of Burnout: Defamiliarizing Neoliberalism Through Cyberpunk Science Fiction
Committee Chair: Prof. F. Debrux

Ryan, Mary Kathleen
The Democratic Kaleidoscope in the United States: Vanquishing Structural Racism in the U.S. Federal Government
Committee Chair: Prof. D. L. Brooksma

Szczurek, Anthony
India's Temporal Imaginaries of Climate Change, 1988-2018
Committee Chair: Prof. L. Zanotti and Prof. R. Kalayan

Ward, Shelby Elise
Strange(r) Maps: The Geopolitics of Sri Lankan Tourism
Committee Chair: Prof. K. M. Powell
Kachipande, Sitingawawo Diana
Sun, Sand, Sex and Order in Southern Africa: The Interplay of Social Attitudes, Criminal Law, Sex Work and Tourism Development in Malawi
Committee Chair: Prof. D. W. Wimberley

Lang, Marissa Nichole
Race Matters: Towards a Structural Understanding of the Management of Attention Deficit Hyperactivity Disorder in Black Adolescents
Committee Chair: Prof. A. S. Vogt Yuan

Miles, Corey Javon
Niggaz Wit Aesthetic: A Sociological Conceptualization of Diasporic Hip-Hop Identities in the Era of Mass Incarceration
Committee Chair: Prof. A. K. Harrison

Turner, Jennifer Laverne
#BlackMamasMatter: The Significance of Motherhood and Mothering for Low-Income Black Single Mothers
Committee Chair: Prof. B. Smith

BIOLOGICAL SCIENCES

Leon, Ariel Elizabeth
Exposure Heterogeneity, Host Immunity, and Virulence Evolution in a Wildlife Disease System
Committee Chair: Prof. D. M. Hawley

Muchinski, Andrew Joseph
Characterization and Functional Analysis of Terpenoid Specialized Metabolism in Panicum virgatum Roots in the Interaction with Biotic and Abiotic Factors
Committee Chair: Prof. D. B. Tholl

Sayer, Cameron Vincent
Identification and Analysis of Germination-Active Proteins in Bacillus Sppores
Committee Chair: Prof. D. L. Popham

CHEMISTRY

Driscoll, Darren Matthew
Fundamental Spectroscopic Studies of Small Molecule Adsorption and Oxidation on Catalytic Surfaces
Committee Chair: Prof. J. R. Morris

Grissom, Tyler Glenn
Fundamental Investigations of Hazardous Gas Uptake and Binding in Metal-Organic Frameworks and Polyurethane Films
Committee Chair: Prof. J. R. Morris

Niggaz Wit Aesthetic: A Sociological Conceptualization of Diasporic Hip-Hop Identities in the Era of Mass Incarceration
Committee Chair: Prof. A. K. Harrison

Wang, Guanyu
Crystallization and Melting Studies of Poly(ε-caprolactone) and Poly(ethylene oxide) Using Flash Differential Scanning Calorimetry and Thermal Characterization of Poly(ε-valerolactone) Fractions
Committee Chair: Prof. H. Marand

COLLEGE OF SCIENCE

COLLEGE OF NATURAL RESOURCES & ENVIRONMENT

FORESTRY AND FOREST PRODUCTS

Diamond, Jacob Sullivan
Ecology, and Self-organization of Black Ash Wetlands
Committee Chair: Prof. R. A. Slesak and Prof. D. L. McLaughlin

Hurst, Kristin Frances
Identity, Intergroup Relationships, and Environmental Conflict
Committee Chair: Prof. M. J. Stern

COLLEGE OF SCIENCE

ECONOMICS

Lee, Dongwoo
Essays on Decision Making Under Uncertainty
Committee Chair: Prof. H. H. Haller and Prof. A. P. Dominiak

Li, Zhuncheng
The Behavioral and Neural Bases of Social Economic Decision-Making
Committee Chair: Prof. S. B. Ball and Prof. A. C. Smith

MATHEMATICS

Asian, Songul
Combinatorial Curve Neighborhoods of the Affine Flag Manifolds of Type A
Committee Chair: Prof. C. L. Mihalcea

Guo, Ruchi
Immersed Finite Element Methods and the Applications in Interface Inverse Problems
Committee Chair: Prof. T. Lin

Lugo, Michael Ruben
A Combinatorially Explicit Relative Möbius Function on Affine Grassmannian and a Proposal for an Affine Infinite Symmetric Group
Committee Chair: Prof. M. M. Shimozono

Rupnow, Rachel Lynn
Examining Connections Among Instruction, Conceptual Metaphors, and Beliefs of Instructors and Students
Committee Chair: Prof. E. Johnson

Sun, Hoa Thi
Integration Geospatial Technologies in Monitoring Desertification Process in a Coastal Area of Vietnam (Case Study in Binh Thuan Province)
Committee Chair: Prof. R. H. Wynne and Prof. J. B. Campbell, Jr.

Weaver, Elizabeth Ann
Investigating the Valley Fever - Environment Relationship in the Western U.S.
Committee Chair: Prof. K. N. Kolivras

GEOSCIENCES

Fynn, Iris Ekua Mensimah
Geospatial Analysis of Forest Fragmentation and Connectivity in Virginia
Committee Chair: Prof. J. B. Campbell, Jr.

Tran, Hoa Thi
Integration Geospatial Technologies in Monitoring Desertification Process in a Coastal Area of Vietnam (Case Study in Binh Thuan Province)
Committee Chair: Prof. R. H. Wynne and Prof. J. B. Campbell, Jr.

Introductory Geospatial Technologies in Monitoring Desertification Process in a Coastal Area of Vietnam (Case Study in Binh Thuan Province)
Committee Chair: Prof. R. H. Wynne and Prof. J. B. Campbell, Jr.

Colleary, Caitlin Elizabeth
Is the Presence of Proteins Evidence for Protein Preservation in the Fossil Record?
Committee Chair: Prof. S. B. Ball and Prof. A. C. Smith

Rupnow, Rachel Lynn
Examining Connections Among Instruction, Conceptual Metaphors, and Beliefs of Instructors and Students
Committee Chair: Prof. E. Johnson
Slagel, Joseph Tanner
Row-Action Methods for Solving Massive Inverse Problems
Committee Chair: Prof. J. Chung

Welch, Amanda Renee
Double Affine Bruhat Order
Committee Chair: Prof. D. D. Orr

PHYSICS

Brown, Bart Lee
Pattern Formations and Relaxation Dynamics in Non-equilibrium Systems
Committee Chair: Prof. M. J. Pleimling

Carroll, Jacob Alexander
Examining the Dynamics of Biologically Inspired Systems Far From Equilibrium
Committee Chair: Prof. U. C. Tauber

Charkehsht, Ali
Probing Collective Motions and Hydration Dynamics of Biomolecules by a Wide Range Dielectric Spectroscopy
Committee Chair: Prof. V. Nguyen

Chen, Mengsu
Exact Diagonalization Study of Strongly Correlated Topological Quantum States
Committee Chair: Prof. W. V. Scarola

Chen, Zhuo
Applications of Gauged Linear Sigma Models
Committee Chair: Prof. E. R. Sharpe

Dai, Hongxia
Measurement of the \((e,e')\) cross section for C, Ti, and Ar
Committee Chair: Prof. C. Mariani

Esmaeili, Shadisadat
Relaxation and Spontaneous Ordering in Systems with Competition
Committee Chair: Prof. M. J. Pleimling

Feng, Hsiao
A Study on Heterotic Target Space Duality-Bundle Stability/Holomorphy, F-theory and LG Spectra
Committee Chair: Prof. L. B. Anderson

Gu, Wei
Gauged Linear Sigma Models and Mirror Symmetry
Committee Chair: Prof. E. R. Sharpe

Lee, Anna R.
4% Measurement of the Weak Charge of the Proton and the N to Delta Transition
Committee Chair: Prof. M. L. Pitt

Mccutcheon, Kelly R.
Ionic Self-assembled Multilayers in an Long-period Grating Optical Fiber Biosensor for Brucella and as a Source of Second-harmonic Generation Plasmonically Enhanced by Silver Nanoprisms
Committee Chair: Prof. J. R. Hefflin

 Parsian, Mohammadhadi
Supersymmetric Backgrounds in String Theory
Committee Chair: Prof. E. R. Sharpe and Prof. J. A. Gray

Wang, Xiangwen
Heavy Tails and Anomalous Diffusion in Human Online Dynamics
Committee Chair: Prof. M. J. Pleimling

Zeng, Junkai
Dynamically Corrected Quantum Control: A Geometrical Framework
Committee Chair: Prof. E. F. Barnes

PSYCHOLOGY

Broomell, Alleyne Patricia Ross
Development of Neural Connectivity and Inhibitory Control: Relation to Social Cognition in Late Childhood
Committee Chair: Prof. M. Bell

Campbell, Ransom Whitaker
Dynamic Fluctuations in Emotion and Space Representation: A Functional Cerebral Systems Approach to Right Hemisphere Dysfunction
Committee Chair: Prof. D. W. Harrison

Carter, Devin Matthew
Using Working Memory to Address the Validity-Diversity Dilemma: Incremental Validity and Subgroup Differences Compared to GMA
Committee Chair: Prof. N. M. Hauenstein and Prof. E. S. Geller

Elias, Rebecca Marie
Measuring Social Motivation in Autism Spectrum Disorder: Development of the Social Motivation Interview
Committee Chair: Prof. S. W. White

Wiekowski, Andrea Trubanova
Attention Modification to Attenuate Facial Emotion Recognition Deficits in Children with ASD
Committee Chair: Prof. S. W. White

STATISTICS

El Kholy, Mohamed Ibrahim
Bayesian Analysis of Temporal and Spatio-temporal Multivariate Environmental Data
Committee Chair: Prof. M. A. Ferreira

Sabin, Robert Paul Travers
Multiscale and Dirichlet Methods for Supply Chain Order Simulation
Committee Chair: Prof. D. Higdon

Zhang, Yafei
Variable Screening and Graphical Modeling for Ultra-high Dimensional Longitudinal Data
Committee Chair: Prof. P. Du

THE VIRGINIA-MARYLAND COLLEGE OF VETERINARY MEDICINE

BIOMEDICAL & VETERINARY SCIENCES

Budnick, James Andrew
Characterization of the VtIR Regulons in Brucella abortus and Agrobacterium tumefaciens
Committee Chair: Prof. C. C. Caswell

Catanzaro, Kelly Clemens Freudengerber
Surface Polysaccharides of Francisella tularensis: Further Characterization, Role in Virulence, and Application to Novel Vaccine Strategies
Committee Chair: Prof. T. J. Iznaza and Prof. C. C. Caswell

Edwards, Michael Richard
Environmental Estrogens Modulate Immune Responses in Autoimmune Disease
Committee Chair: Prof. S. A. Ahmed

Ernst, Marigold Ellen Bethany
Characterization, Toxicity, and Biological Activities of Organometallic Compounds and Peptide Nucleic Acids for Potential Use as Antimicrobials
Committee Chair: Prof. J. S. Merola and Prof. N. Sriranganathan

Okyere, Benjamin
Eph-mediated Restriction of Cerebrovascular Arteriogenesis
Committee Chair: Prof. M. H. Theus

Rajpar, Ibtesam Mohamed Husein
Tendons Regeneration: Roles of Growth Factors and Phenotypic Diversity in Vitro Culture
Committee Chair: Prof. J. G. Barrett

INTERDISCIPLINARY DEGREES

GENETICS, BIOINFORMATICS AND COMPUTATIONAL BIOLOGY

Telionis, Pyrros A.
Novel Applications of Geospatial Analysis in the Modeling of Infectious Diseases
Committee Chair: Prof. B. L. Lewis and Prof. S. G. Eubank

INDIVIDUAL INTERDISCIPLINARY PHD

Miranda Mouchrek, Najia
Empowerment in the Transition to Adulthood: Supporting Career Exploration in College Using Participatory Design
Committee Chair: Prof. M. J. Benson and Prof. J. C. Sible

MACROMOLECULAR SCIENCE AND ENGINEERING

DeButts, Barbara Lynn
Plant Proteins as Multifunctional Additives in Polymer Composites
Committee Chair: Prof. J. R. Barone

Qian, Yun
Self-assembled Peptide Hydrogels for Therapeutic H2S Delivery
Committee Chair: Prof. J. Matson

TRANSLATIONAL BIOLOGY, MEDICINE AND HEALTH

Darden, Jordan Alexandra
Pericytes in Early Vascular Development
Committee Chair: Prof. J. C. Chappell
James, Carissa Chey
Alternative Mechanisms of Translation Initiation in Modulation of Gap Junctional Coupling
Committee Chair: Prof. J. Smyth
Kerr, Alicia Marie
Cell-specific Roles for CASK in the Pathology of Optic Nerve Hypoplasia
Committee Chair: Prof. M. A. Fox
Mellis, Alexandra Michelle
Quantifying the Effects of a Constricted Temporal Window in Reinforcer Pathology
Committee Chair: Prof. W. K. Bickel
Powell, Michael Duane
Insights Into the Regulatory Requirements for T Follicular Helper Cell Development
Committee Chair: Prof. K. Oestreich
Raisch, Tristan Bryan
Extracellular Spaces and Cardiac Conduction
Committee Chair: Prof. S. Poelzing
Scala, Veronica Marie
Elucidating the Role of Pattern Recognition Receptors in Understanding, Treating, and Targeting Cancer
Committee Chair: Prof. I. C. Allen
Steger, Courtney Long
Determinants of Core Shell Dependent Rotavirus Polymerase Activity
Committee Chair: Prof. P. Sobrado and Prof. S. McDonald
Strayer, Thomas Edward
Dissemination of Health Promotion Information in Cooperative Extension: A Multi-study Exploration of Channels, Sources, and Characteristics That Influence Intervention Uptake
Committee Chair: Prof. S. M. Harden
Vaughan, Sydney Katherine
The Role of Lynx1, an Endogenous Modulator of Cholinergic Transmission, in NMJ Development, Maintenance, and Repair
Committee Chair: Prof. G. Valdez

DOCTOR OF EDUCATION

COLLEGE OF LIBERAL ARTS & HUMAN SCIENCES
EDUCATIONAL LEADERSHIP AND POLICY STUDIES
Banks, Dora Mae
Identify Principal Leadership Practices that Effectively Support Gifted Learners and Gifted Programs
Committee Chair: Prof. C. S. Cash and Prof. T. S. Price
Coefield, Cora Beatress
The Relationship Among School Leadership Practices, Student Socioeconomic Status, and Student Achievement in One Virginia School Division
Committee Chair: Prof. C. S. Cash and Prof. T. S. Price
Collier, Christopher Williamson
Perceptions of Strategic Compensation as a Motivating Factor on Teacher Quality, Recruitment and Retention in a Rural Southeast School District
Committee Chair: Prof. C. S. Cash
Williams, Clifton C.
A National Study of the Association of Christian School International Schools Head of School Leadership Characteristics
Committee Chair: Prof. C. S. Cash
Wright, Chanteea Renee
Teacher Perceptions of the Impact of Professional Development on Instructional Practices and Student Achievement
Committee Chair: Prof. C. S. Cash

EDUCATION SPECIALIST

COLLEGE OF LIBERAL ARTS & HUMAN SCIENCES
CURRICULUM AND INSTRUCTION
Davis, Jacqueline Melissa

MASTER’S DEGREES

COLLEGE OF AGRICULTURE AND LIFE SCIENCES

AGRICULTURAL AND SCIENCE

Grossen, Grace Elizabeth
Knaresboro, Lauren Marie
Shi, Yuxiao
Stump, Katherine Alice

AgriCULTURAL AND APPLIED ECONOMICS

Davis, Andrea W.
Dolan, Amanda Marie
Ellis, Bradley Walker
Haynes, Brenda Carol
Jones, Robert Trent
Martindell, Morgan Leigh
Phillips, Melissa S.
Sharpe, Sarah Elizabeth Weaver
Wright, Melissa Susanne
Ziyout, Hisham Abdessalam John

ANIMAL AND POULTRY SCIENCES

Elgin, Jennifer May
Helsel, Patricia J.
Liu, Kuan-Ling
Pyne, Alicia Marie
Reynolds, Krista Lynn
Seymour, Kacie Tinnesz

CROP AND SOIL ENVIRONMENTAL SCIENCES

Boyd, Luke David-Allen
Byrd, Jabari Akil
Cappellin, Catherine Brooks
Ellis, Madeleine O.
Hayes, Austin Craig
Hoak, Jessica
McClanahan, Sarah Jane
Sneesby, Ethan Paul
Thomsen, Sarah Jane

HUMAN NUTRITION, FOODS AND EXERCISE

Acero, Darlene
Debiak, Emily Veronica
Lupi, Ryan Alexander
Obertello, Olivia Oriana
Parker, Molly Kathryn
VanDerBrink, Emily Marie
Walker, Ayron Elizabeth

MASTER OF SCIENCE IN LIFE SCIENCES

AGRICULTURAL AND EXTENSION EDUCATION

Ajao, Helen Omotayo
Corkins, Chelsea Rose
Harris, Kayla Michelle
Sen, Anuradha

**BIOCHEMISTRY**

Brown, Connor Lee
Tolbert, Alexander

**DAIRY SCIENCE**

Ceh, Carrie Ann
Huffard, Haley Garrett

**ENTOMOLOGY**

Brown, Jacqueline S.
Roth, Morgan Alicia

**FOOD SCIENCE AND TECHNOLOGY**

Cairns, Paulette Anne
di Stefano, John Robert
Estrada, Erika M.
Poe, Nicholas Edward
Poudel, Deepak
Racine, Kathryn Claire
Taylor, Zachary William
Wesołowski, Michael Christopher

**PLANT PATHOLOGY, PHYSIOLOGY AND WEED SCIENCE**

Floyd, Jason L.
Shock, Morgan Nicole

**COLLEGE OF ARCHITECTURE AND URBAN STUDIES**

**MASTER OF ARCHITECTURE**

Barrios Sosa, Maria Ines
Blignaut, Stefan Louis
Burcham, Stephanie Marie
Byrne, Conor Vincent
Carman-Goekke, Macy Anne
Chen, Yao
Cheng, Mengnan
Dai, Jiaqi
Ebrahim, Hajar Mohammad
Fan, Mengdie
Fox, Adam James
Gao, Yuan
Harris, Kyle Hunter
Hilker, Jesse Kirtland
Huang, Sining
Jacobs, Ryan Patrick
Jalal, Tooba
Jamal Eddin, Sara
Jiang, Mingzhen
Johnson, Tracey Lynn
Liu, Runjie
Liu, Zhuoran
Merrill, Logan M.
Searcy, Jack Candler
Shah, Drishti Rajesh
Sturmiolo, Rebecca Lynn
Sun, Zhuying
Torell, Erik Styrbjorn Odd
Walker, Madelyn Grace
Wang, Peilin
Zhao, Tianming

**MASTER OF FINE ARTS**

**CREATIVE TECHNOLOGIES**

Liu, Xindi

**MASTER OF LANDSCAPE ARCHITECTURE**

Henry, Nikolus L.

**MASTER OF PUBLIC ADMINISTRATION**

**PUBLIC ADMINISTRATION/PUBLIC AFFAIRS**

Beck, Christjaohn Lamar
Brown-Coles, Olyvia Simone
Crespo, Victoria Rosalie
Dean, Morgan Grey
Edmonds, Gregory Tyler
Grosse, Dylan Bernard
Harris, Lawrence Markus
Lott, Ernest Matthew
Mabe, Parker H.
Malewitz, David Jerome
Poff, Erin C.
Slaughenhoupt, Joshua Alan
Tuggle Hodzie, Ximena
Taylor, Aaron Christian
Williams, Aidan Chase

**MASTER OF SCIENCE**

**ARCHITECTURE**

Cabrera, Pablo Marcelo

**BUILDING/CONSTRUCTION SCIENCE AND MANAGEMENT**

DiMaio, Christopher Michael

**MASTER OF URBAN AND REGIONAL PLANNING**

Badua, Jenizza
Brown-Coles, Olyvia Simone
Hamme, Joshua Ross
Martin, Emma Taylor

**PAMPLIN COLLEGE OF BUSINESS**

**MASTER OF ACCOUNTING AND INFORMATION SYSTEMS**

Batt, Tyler James
Bishop, Austin Mark
Bolt, Cheyenne Renee
Bondy, Anna Marie
Brown, Samantha Josephine
Cardaci, Emily Nicole
Choi, Jung Hwan
Cipolla, David William
Collura, Daniel James
DeSouza, Gabriella Cleide
Feng, Yuting
Hill, Juliana Rose
Hipple, Nicholas Gentry
Hoback, Connor Steven
James, Melicia Sade
Karas, Gregory Jon
Keen, Peyton Michael
Kurto, Danielle Amanda
Li, Handao
Li, Ivy Honger
Li, Yinghe
Lust, Margaret Joanne
Maher, Matthew Joseph
Mei, Shiyao
Miller, Brittany Lynn
Overton, Cameron Robert
Roberts, Ashley Michelle
Seiber, Talia Laryssa
Sha, Linsen
Thomas, Jordan Michelle
Watt, Megan Nicole
Yan, Xinyu

**MASTER OF SCIENCE**

**BUSINESS ADMINISTRATION**

Cogar, Grant Steven
Gullickson, Andrew Jeffrey
Kheou, Ratanak
Morsch, Robert Christian
Polan, Hannah Sethunya Miriam
Roghianzad, Ali Reza
Williford, Alyssa Leigh
Zhang, Shumeng

**COLLEGE OF ENGINEERING**

**MASTER OF ENGINEERING**

**AEROSPACE ENGINEERING**

Wrobel, Daniel

**CHEMICAL ENGINEERING**

Chen, Han

**COMPUTER ENGINEERING**

Chava, Raja Venkata Satya Phanindra
Dhande, Omkar Shirish
Kakar, Vidur
Khamar, Devang
Kulkarni, Mihir Sagar
Kumtekar, Varun Milind
Malpani, Ashish Kailash
Pitale, Abhinav Nitin
Ramachandra, Jagadish
Rambhakta, Pranavi
Shah, Rishi Jayesh
Shroff, Parth Siddharth
Vadakkan Purushotham, Raghunath

**ELECTRICAL ENGINEERING**

Cai, Yuting
Freeman, Alexander Benjamin
Li, You
Okafor, Jonathan O., Jr.
Rhodes, Corey Richard
Sreeram, Nirmala
Yu, Shuxiang

**MATERIALS SCIENCE AND ENGINEERING**

Bielitz, Robert Charles
Labitt, Alec Davis
Liang, Junjie

**MECHANICAL ENGINEERING**

Bogdan, Matthew Francis
Jones, Nathan Harris

**MASTER OF SCIENCE**

**AEROSPACE ENGINEERING**

Arora, Anuj
Brand, Jonathan Timothy
Cisneros, Jason Todd
Das, Satyaki
Edelmann, Stephen Willis
Ghosh, Mriganka Sekhar
Hom, Meagan Ann
Leingang, Adam Michael
Napiecek, Andrew Webster
Nikrant, Alex Warner
Ogorzalek, Jeremy Patrick
Pisharoti, Naina
Quickel, Reuben Alexander
Quinn, Ian Farley
Reisch, Brady Wallis
Repasky, Russell James
Rocker, Samantha Nicole
Sbai, Munira
Sluss, Dillon Powell
Smith, Brandon Joseph
Voie, Ren Vox
Whiting, Nolan Wagner

**BIOLOGICAL SYSTEMS ENGINEERING**

Berg, Emily Katherine
Flick, Hunter James
Hickman, Elizabeth Louise
Hu, Yihuai
Lohnes, Taylor Paige
McCarthy, Mary Morgan
Solis, Suraye Rori

**BIOMEDICAL ENGINEERING**

Mottley, Carolyn Yvette
Norris, Caroline Nicole
Reiber, Teresa Marie
Wills, Lauren Raquel

**CHEMICAL ENGINEERING**

Zhang, Qiaoyi

**CIVIL ENGINEERING**

Abedi, Milad
Alsharari, Thamer Mubarak
Baldota, Divyang Pavan
Ballowian, Sergio Marlon
Bolte, Taylor Clark
Brilli, Nicola Carmine
Bullano, Jarrett Anthony
Chen, Jamie
Culp, Jeffrey Parker
Dejonghe, Amanda Irene
Dolingter, Joshua Dakota
Duran Esmeral, Alberto Javier
Ferby, Matthew Stephen
Flora, Matthew William
Garrison, Mark Dennis, Jr.
Gentile, Nicholas Anthony
Gil, Edward Matthew
Hajameeran, Alima Jafreen
Kennedy, Thomas John
Khadka, Bishal
Kokal, Michael Paul
Li, Shuang Jack
Li, Xiaoran
Lindley, Seth Michael
McBride, Christopher M.
Merin, Elizabeth Sarah
Mohammadian, Mehrshid
Najmedine, Aimane
Patel, Jayraj Hemang
Rosenthal, Joshua Thomas
Scavone LaSalle, Martin
Schmitt, Zoe Kendall
Seo, Jungmin
Sheppard, Jamie
Sim, Jay Won
Smith, Nyibe Cousins-Flythe
Someshwara Korachar, Eshwari
Tarafdar, Sayantan
Thorpe, Andrew Carlyle
Wang, Zhen
Woodson, David
Yang, He
Ye, Evin
Zaveri, Bhavin Hitendrakumar
Zodpey, Soham Pravin

COMPUTER SCIENCE AND APPLICATIONS

Ahmadian, Mansoor
Baghuda, Ashish
Bhatia, Aabhas
Chandrasekar, Prashant
Chon, Jieun
Elgendi, Ehsan Sami Ismaiel Ali
Ghaffar, Talha
Goldman, Andrew Benjamin
Gupta, Aparna
Hsu, Alexander Sirui
Illo, Cedrick K.
Jin, Yilong
Khawas, Prapti Prakash
Kumar, Abhinav
Liu, Weigang
Liu, Xuan
Manzoor, Hamza
Michael, Louis Guy, IV
Mulchandani, Deepika Kishore
Nachimuthu Nallasamy, Kanagaraj
Nadeem, Muhammad Hassan
Patil, Supritha Basavaraj
Patil, Suraj Satish
Ramesh, Shreyas
Sharma, Niti
Shetty, Shrut Krishna
Shetty, Sourabh
Southward, Joshua Stephen
Upadhya, Adithya Keshava Heroor
Xu, Xinfei
Ying, Tiancheng
Zhang, Tong

ELECTRICAL ENGINEERING

Abraham, Sherin Ann
Chetlur Ravi, Vishnu Vardhan
Dimobi, Ikechukwu Samuel
Fletcher, Michael John
Jimenez, Jorge Gabriel
Jong, Owen
Kees, Joel Thomas
Kozy, Mark Alexander
Krishnan, Anaga
Lloyd, William Charles
Meyur, Rounak
Mohr, Hannah Dornath
Moses, Magdalina Louise
Patel, Heta Ajay
Rangwala, Murtaza Juzer
Ray, Taylor Joseph
Shrestha, Pratigya
Watt, Grace R.

ENGINEERING MECHANICS

Hall, Nathaniel Addison
Howes, Kayla Shianne
Shukla, Pranav
Wood, Harrison Grant

ENVIRONMENTAL ENGINEERING

Agioutanti, Eleftheria
Baldota, Divyang Pavan
Bhide, Shantanu Vidya
Campolong, Cody James
Mapili, Kristine Irene Manzano
Wait, Kory David

INDUSTRIAL AND SYSTEMS ENGINEERING

Aggarwal, Manik
AbHaddad, Mohammed Omar
Bansode, Ashutosh Deepak
Chauhan, Abhimanyu
De Oliveira Faria, Nayara
Han, Wenjun
Hsing, Hsiang-Wen
Humayun, Mir Azeez
Jain, Shivendu
Kothari, Akshat
Larratonda, Elliot
Lee, Youngjae
Makkar, Saibby Singh
Mehra, Saurabh
Mungad, Aditya Anil A.
Shah, Supan Nayan
Thaker, Ruchik Kashyap
Wilson, Chelsea Danielle

MATERIALS SCIENCE AND ENGINEERING

Kidd, Michael Scott, Jr.
Surbey, Wyatt Redmond

MECHANICAL ENGINEERING

Boggs, George, IV
Boontanom, Jedhatthai
Devine, Timothy Andrew
Donnelly, James Joseph
Garrabrant, Austin Joseph
Ge, Dayang
Ghosh, Arindam
Greczek, Brandyn Thomas
Hunde, Sena Aschalew
Oh, Tae Kyung
Qiu, Peiwen
Salian, Rachit Pravin
Sampathkumar, Shrihari
Silas, Kevin Alexander
Sohal, Shubhdeepsingh
Song, Yan
Spies, Lucas Daniel
Subramanian, Chidambaram
Subramanian, Sathyamaran
Vanteddu, Teja
Wagner, Anthony Julian
Wang, Haosen
Wood, Evan A.
Zheng, Panni

MINING ENGINEERING

Baggett, Jonathan Gabriel
Jones, Alan Wayne, III
Monsalve Valencia, Juan Jose
Morrison, Ethan David

NUCLEAR ENGINEERING

Bartel, Jacob Benjamin
Chan, Ryan James

OCEAN ENGINEERING

Bay, Raymond James
Li, Jiahui
Roberts, Matthew Thomas
Snyder, Daniel Joseph
Stinson, Nicholas Taylor

SYSTEMS ENGINEERING

Doty, William Michael
Moorhead, Robert Carlton, III

COLLEGE OF LIBERAL ARTS & HUMAN SCIENCES

MASTER OF ARTS

COMMUNICATION

DeChristopher, Mary Kaitlin
Fink, Blayne Kathryn
Hanks, Carlanne Lindsey
Liu, Yulong
McDaniel, Caitlin Christine
Mercer, David Lewis
Raboteau, Albert Jordy, III
Turner, Adam Chase
Wooten, Kelsey Dianne

ENGLISH

Chase, Bobbie Jo
Deiter, Katharina Rose
Dhamala, Roshani
Forbish, Katelyn Hope
Harjung, Anna Joy
Keyes, Devon Lamont

Kurtzman, Elizabeth
Lunde, Mary Rose
Mack, Joseph Edward
Pang, Lydia Wei Ting
Roberts, Shelby Caroline
Rogers, Jessie Leigh
Saunders, Tyler Alexander
Sederstrom, Olivia Marie
Taylor, Christina Erin
Thomas, Zach Lee
Tiller, Samuel Perry

FOREIGN LANGUAGES, CULTURES, AND LITERATURES

Ciucci, Hajer
Escobar, Stacy Rae
Filkoski, Bailey Alina
Gonzalez Maldonado, StephanieMontserrat
Scartelli, Nicole Patricia

HISTORY

Bolin, Nicholas John
Boyd, Taylor Rae
Gallagher, Jennifer Ann
Putnam, Marlee Love
Wesdock, Ryan Joseph
Wild, Emily Frances

MATERIAL CULTURE AND PUBLIC HUMANITIES

Bianchi, Emily N.
Cooper, Kelly
Tucker, Sarah

PHILOSOPHY

Blair, Jarrod Logan
Keith, Rachel Elizabeth
Tolbert, Alexander
Ulerie, Jodell Mathieu

POLITICAL SCIENCE

Baker, Nathen Michael
Bowling, James Randall
Camargo Palomino, Ana Maria
Eggleston, Julia Dale
Fallon, Jordan Keats
Garrett, Benjamin Troy
Johnson, Elizabeth Anne
Myers, Robert Clinton
Palermo, Rachel Elizabeth
Reaves, Jeff William
Ritterbusch, Jade N.
Schott, Benjamin Glen
Sherrod, Rebecca Jane
Tessmer, Michael Lane
Wheaton, Grace Claire
Work, Nicholas Christopher

MASTER OF ARTS IN EDUCATION

COUNSELOR EDUCATION

Adams, Molly Ann
Armentrout, Laura Reese
Christie, Tamara Seay
Cook, Callie Mikaila
Crutchfield, Emily Warrington
Gowen, Nicholas David
Kimble, Bethany Shay
Line, Marsha Jackie
Morrissey, Louise-Marie Gertrude
Abbott, Rachel Morgan
Anderson, Marissa Ellen
Aylor, Rebecca Catherine
Baughan, Allison Rachel
Bendorf, Alissa Ann
Boutwell, Anna Brooke
Brummell, Laine Riley
Calhoun, Zachary Todd
Canonico, Shelby Martha
Castelli, Catheryn Anne
Chadwell, Alexis Paige
Chase, Bobbie Jo
Chen, Chuanhui
Childress, Sydney Chafin
Clayton, Callie Esperann
Conyers, Madison Lewis
Crawford, Katherine Alissa
Crow, Amy Katherine
Davis, Mackenzie Rae
de Castrique, Archie William
Fillis, Jessica Rae
Findley, Terry Lee
Fink, Savannah Danielle
Flegas, Christina Sophia
Flores Blandon, Catherine Margarita
Forrest, Jami Michelle
Fuller, Jordan Nicole
Gainer, Elaina Rose
Good, Christen Leigh
Greco, Caroline Catherine
Heflin, Emily Jackson
Heflin, Hayden Christian
Hill, Paul William
Hinton, Joshua Juan Brown
Hoffman, Alexandra Laura
Howard, Stephen Michael
Humphreys, Hanna Hope
Inge, Samuel David
Jones, Shannon Michelle
Jung, Paul Hyunwoo
Krugler, Nichol Lee
Krum, Kelsey Cheyenne
Lee, Maria Eunha
Lineberry, Ashton Adrianna
Lozier, Matthew Psomiadis
Lunde, Mary Rose
Mack, Kelsey Alexandra
Marshall, Shannon M.
McIlvene, Gabriel Stonewall
McKeon, Jessica Leigh
McLaughlin, Kyle Ernest
Miller, Kenneth James Gerard
Miller, Rachel Elizabeth
Milliner, Mary Michael
Mosier, Taylor Patrick
Moss, Margaret Augusta
Murphy, Rachel Aisling
O’Hern, Kelsey Helen
O’Toole, Danielle Dulaney
Ochoa, Michael Anthony
Ogundipe, Ganiat Omotola
Pangburn, Angela Rose
Peacock, April G.
Pence, Shelley Jean
Petras, Julia Anne
Pickett, Austin Alexander
Rad, Hannah Sue-Margaret
Rankin, Tyler David
Renner, Mark W.
Reyes, Stephen A.
Rhodus, Delaney Joan
Robinson, Vanessa Sarah
Sawyer, Jessica Beverly
Segardahl, Adelaide Grace
Shafer, Maximilian Drake
Sickinger, Anna Christine
Souders, Brooke Denim
Spletalnik, Jonathan Michael Herbert
Stone, Andrew Bryan
Strohminger, Lynsey Noel
Thielen, Elizabeth Donna LeRoux
Thompson, Paul Hunter
Vasquez, Carla Guadalupe
Walsh, Katie Jean
Wilkinson, Anne Warren
Williams, Madlyn Kaye
Windley, Tara Lynn
Womble, Daniel C.
Zhu, Xinxin
Quarles, Kregg D.

Clark, Shannon Anthony
Neal, Robert Gus, IV

Asbury, Taryn Elizabeth
Castle, Laura Elizabeth
Droste, Tyler Graf
Farthing, Maggie Mae
Garner, Jacob Andrew
Hackett, Zellie Lorraine
O’Farrell, Abbey Alyse
Printz, Allison L.
Scott, Jaquan Da’Mont
Thomas, Jacquelyn Remy
Weber, Karen M.
Wheatley, Angelina May

Cohen, Tali Sharon
Glasson-Darling, Meredith Elane
Jernejan, Leslie Erin
Kennedy, Daniel Peter
Koch, Devin Harold
Melling, Daniel Richard
Mitchell Reford, Lotte Maxine Agnes
Wilson, Christopher

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