

**COLLEGE OF AGRICULTURE AND HUMAN ECOLOGY  
FACULTY AREAS OF EXPERTISE BY DEPARTMENT**

SCHOOL OF AGRICULTURE		
NAME	CONTACT INFORMATION	RESEARCH INTERESTS AND EXPERTISE
<b>Airhart, Douglas</b> Professor	<a href="mailto:dairhart@tntech.edu">dairhart@tntech.edu</a> (931) 372-3288	Basic plant sciences: Integrated Pest Management. Landscape design, installation, and maintenance. Plant propagation. Floral Arrangements. Interior plantscaping. Horticultural activities for individuals with disabilities. Field and container nursery production. Greenhouse production and maintenance. Roadside wildflowers. Urban forestry and arboriculture. Horticultural therapy.
<b>Baier, Jim</b> Assistant Professor	<a href="mailto:ibaier@tntech.edu">ibaier@tntech.edu</a> (931) 372-3193	Sweet sorghum • Agricultural engineering
<b>Best, Michael</b> Professor	<a href="mailto:mbest@tntech.edu">mbest@tntech.edu</a> (931) 372-3154	Feasibility of value-added agricultural enterprises and renewable energy systems
<b>Bowhay, Ciana</b> Assistant Professor	<a href="mailto:cbowhay@tntech.edu">cbowhay@tntech.edu</a> (210) 683-6435	Nitrogen metabolism and utilization in beef cattle · Engagement, motivation, and identity development among animal science students · Sustainable production of beef through precision feeding of beef cattle · Scholarship of teaching and learning in animal science · Animal Nutrition
<b>Duncan, Dennis</b> Professor	<a href="mailto:dduncan@tntech.edu">dduncan@tntech.edu</a> (931) 372-3418	Exploring effective solutions to addressing food insecurity at the K-12 level of education • Identifying industry leaders' beliefs about and needs among new hires regarding career training and soft skill development at the university level • Determining in-service and certification needs of TN agriscience teachers.
<b>Fennewald, Dennis</b> Associate Professor	<a href="mailto:dfennewald@tntech.edu">dfennewald@tntech.edu</a> (931) 372-3251	Beef Cattle Genetics • Genotype by Environment Interactions Grazing Systems/Forage Management • Year-round Grazing
<b>Greene, Bruce</b> Professor	<a href="mailto:bgreene@tntech.edu">bgreene@tntech.edu</a> (931) 372-3012	Animal breeding and genetics • Animal reproduction • Forage production and utilization by grazing animals • Forage species for the Upper Cumberland region, Tennessee, and the Southeast • Honey bee survivability and adaptation to the Upper Cumberland region
<b>Leckie, Brian</b> Associate Professor	<a href="mailto:bleckie@tntech.edu">bleckie@tntech.edu</a> (931) 372-6131	Using genomics enabled strategies to manage biotic constraints in vegetables • Alternative pest management strategies for crop production • Sustainable management tools for small holder farms • Plant breeding • Applied entomology • Plant molecular biology
<b>Morris, Keith</b> Associate Professor	<a href="mailto:kmorris@tntech.edu">kmorris@tntech.edu</a> (931) 372-6134	Precision agriculture • Spatial technologies • Agricultural remote sensing and GIS
<b>Nattrass, Michael</b> Assistant Professor	<a href="mailto:mnattrass@tntech.edu">mnattrass@tntech.edu</a> (931) 372-3218	Agronomy • Precision agriculture • Plant and soil nutrient analysis • Nutrient management strategies for crop and hay production • Unmanned aerial vehicles • SMART farm technology • Water quality • Phytoremediation

<b>Park, Song</b> Associate Professor	<a href="mailto:spark@tntech.edu">spark@tntech.edu</a> (931) 372-3155	Environmental and Natural (Water) Resource Management and Economics, Integrated Cropping and Grazing System, Sustainable (Bio)energy Production, Animal Disease Control, Ecological Economics, Risk Analysis, and Interdisciplinary Research
SCHOOL OF HUMAN ECOLOGY		
NAME	CONTACT INFORMATION	RESEARCH INTERESTS AND EXPERTISE
<b>Anderson, Melinda</b> Professor	<a href="mailto:manderson@tntech.edu">manderson@tntech.edu</a> (931) 372-3378	Accreditation report writing and collection of program data • Leadership and professionalism • Dietetics education and accreditation
<b>Barlow, Allison</b> Lecturer	<a href="mailto:abarlow@tntech.edu">abarlow@tntech.edu</a> (931) 372-6157	Medical Nutrition Therapy • Nutrition in Disease • Nutrition Education • Nutrition Counseling • Sports Nutrition and Dietetics
<b>Chitiyo, Rufaro</b> Assistant Professor	<a href="mailto:rchitiyo@tntech.edu">rchitiyo@tntech.edu</a> (931) 372-6847	Child abuse and neglect • Substance abuse in families with young children • Adverse childhood experiences and resilience • Self-care for professionals • Immigration Issues Affecting Women
<b>Gunnels, Aeris</b> Lecturer	<a href="mailto:agunnels@tntech.edu">agunnels@tntech.edu</a> (931) 372-3367	Architecture • Interior design • Drafting • Computer aided design • Architectural rendering • Environmental and sustainable design • Arcology • Architectonics • Permaculture • Renewable energy • Biomimicry
<b>Hutson, Samantha</b> Assistant Professor	<a href="mailto:shutson@tntech.edu">shutson@tntech.edu</a> (931) 372-3865	Food insecurity • Poverty • Nutrition education • Public health • Social assistance programs • Weight management techniques • Children & family health education • Community Health and Nutrition in Rural Areas
<b>Shiple, Lee Ann</b> Professor	<a href="mailto:lshiple@tntech.edu">lshiple@tntech.edu</a> (931) 372-3867	Family life education: interpersonal relationships, human sexuality • Parenting education • Application of family theory to understanding intergenerational family dynamics • Program accreditation • Mentoring leadership in young women for professional associations in human development and family relations
<b>Sisk, Cara</b> Assistant Professor	<a href="mailto:csisk@tntech.edu">csisk@tntech.edu</a> (931) 372-6017	Children and families' experiences in health care • Children with special health care needs and friendship • Children with disabilities in health care • Child life specialist psychosocial support and interventions
<b>Upole, Hannah</b> Assistant Professor	<a href="mailto:hupole@tntech.edu">hupole@tntech.edu</a> (931) 372-6066	Impact of social media on fashion and beauty brand images • Maintenance of fashion and beauty brand identity in a digital environment • Intersection of beauty and fashion in practical and theoretical applications • Definition of beauty in a modern society • Cultural relevancy and beauty ideals • Smart textiles and farm to fashion movements • Consumer behavior in the textile industry • Sustainability of the fashion and beauty industry

**COLLEGE OF ARTS AND SCIENCES**  
**FACULTY AREAS OF EXPERTISE BY DEPARTMENT**

DEPARTMENT OF BIOLOGY		
NAME	CONTACT INFORMATION	RESEARCH INTERESTS AND EXPERTISE
<b>Brown, Christopher A.</b> Associate Professor and Chair	<a href="mailto:cabrown@tntech.edu">cabrown@tntech.edu</a> (931) 372-3013	Ecology, life history evolution, and behavior of terrestrial arthropods, primarily scorpions and spiders • Understanding the effects of autonomy (limb loss) on ecology and behavior • Food web ecology of riparian systems
<b>Beck, David L.</b> Assistant Professor	<a href="mailto:dbeck@tntech.edu">dbeck@tntech.edu</a> (931) 372-3375	Infectious diseases of humans
<b>Bettoli, Phillip</b> Professor Emeritus	<a href="mailto:pbettoli@tntech.edu">pbettoli@tntech.edu</a> (931) 372-6430	Dynamics of exploited fish populations • Endangered species management
<b>Carver, Brian D.</b> Assistant Professor	<a href="mailto:bcarver@tntech.edu">bcarver@tntech.edu</a> (931) 372-3127	Mammalian community dynamics • Conservation of rare mammals • Bat biology and management
<b>Cohen, Bradley S.</b> Assistant Professor	<a href="mailto:bcohen@tntech.edu">bcohen@tntech.edu</a> (931) 372-6410	Wildlife ecology and management of game animals, especially for deer and turkey • Predator-prey interactions
<b>Combs, Daniel L.</b> Professor	<a href="mailto:dcombs@tntech.edu">dcombs@tntech.edu</a> (931) 372-6541	Ecology and behavior of avian wildlife species, especially waterfowl • Habitat use and natural history of reptiles and amphibians
<b>Cook, S. Brad</b> Professor	<a href="mailto:sbcook@tntech.edu">sbcook@tntech.edu</a> (931) 372-3194	Ecology of freshwater invertebrates • Fish parasitology • Feeding ecology and bioenergetics of freshwater fishes • Biotic indices
<b>Gunderson, John H.</b> Associate Professor	<a href="mailto:jgunderson@tntech.edu">jgunderson@tntech.edu</a> (931) 372-3250	Microbial ecology and evolution • Symbiosis
<b>Hall, Joshua M.</b> Assistant Professor	<a href="mailto:jmhall@tntech.edu">jmhall@tntech.edu</a> (931) 372-3444 <a href="http://www.devoeco.org">www.devoeco.org</a>	Herpetology • Urban adaptation and global change biology • Developmental biology and embryo physiology

		<ul style="list-style-type: none"> <li>• Ecological developmental biology</li> <li>• Life-history evolution of reptiles and amphibians, particularly reproductive adaptations to seasonality</li> <li>• Thermal adaptation and heat stress physiology of reptiles and amphibians</li> <li>• Analysis, interpretation, and presentation of physiological data using R</li> </ul>
<b>Hayslette, Steven E.</b> Professor	<a href="mailto:shayslette@tntech.edu">shayslette@tntech.edu</a> (931) 372-3146	Wildlife ecology and management <ul style="list-style-type: none"> <li>• Avian ecology, behavior, and nutrition</li> <li>• Ecology and management of upland game birds</li> </ul>
<b>Hurt, Carla R.</b> Associate Professor	<a href="mailto:churt@tntech.edu">churt@tntech.edu</a> (931) 372-3143	Processes of speciation and diversification in marine invertebrates and the implications that these processes have on conservation of biodiversity. Specifically, the use of molecular tools to (1) identify taxonomic lineages and cryptic diversity, (2) reconstruct phylogenetics histories and the geographic context of species radiations, (3) examine ecological and developmental factors that promote and sustain species reef diversity, and (4) assess the geographic structure of genetic variation within marine symbiotic communities
<b>Kissell, Jr., Robert E.</b> Professor	<a href="mailto:rkissell@tntech.edu">rkissell@tntech.edu</a> (931) 372-6240 <a href="https://sites.google.com/site/kissellslab">https://sites.google.com/site/kissellslab</a>	Species-habitat associations and population ecology of mammals, especially furbearers and large mammals
<b>Krosnick, Shawn E.</b> Associate Professor	<a href="mailto:skrosnick@tntech.edu">skrosnick@tntech.edu</a> (931) 372-6194 <a href="https://sites.tntech.edu/skrosnick/">https://sites.tntech.edu/skrosnick/</a>	Plant taxonomy <ul style="list-style-type: none"> <li>• Molecular systematics</li> <li>• Floral development</li> <li>• Plant morphology and anatomy</li> <li>• Evolutionary developmental biology</li> </ul>

<b>Murdock, Justin N.</b> Associate Professor	<a href="mailto:jmurdock@tntech.edu">jmurdock@tntech.edu</a> (931) 372-3147 <a href="https://sites.tntech.edu/jnmurdock">https://sites.tntech.edu/jnmurdock</a>	Algal ecology • Nutrient cycling • Stream community ecology • Disturbance ecology • Microscopy and imaging techniques
<b>Roberts, Thomas H.</b> Professor Emeritus	<a href="mailto:troberts@tntech.edu">troberts@tntech.edu</a>	Animal ecology • Wetland ecology • Habitat evaluation and management
<b>Rogers, Mark W.</b> Co-operative Fishery Research Unit Leader and Assistant Professor	<a href="mailto:mwrogers@tntech.edu">mwrogers@tntech.edu</a> (931) 372-3032	Fisheries ecology and management • Aquatic food webs • Invasive species • Population dynamics and modeling
<b>Rosenberger, Amanda</b> Co-operative Fishery Research Unit Assistant Leader and Associate Professor	<a href="mailto:arosenberger@tntech.edu">arosenberger@tntech.edu</a>	Ecology and conservation of freshwater biota, including fish, mussels, and crayfish, with an emphasis on the role of ecological processes in shaping aquatic organisms' distributions, population characteristics, and community structure
<b>Wheeler, Christopher (Kit)</b> Assistant Professor	<a href="mailto:kitwheeler@tntech.edu">kitwheeler@tntech.edu</a> (931) 372-3780 <a href="http://www.tntechstreamfishecology.org">www.tntechstreamfishecology.org</a>	Stream fish ecology and conservation • Biodiversity-ecosystem functioning in aquatic environments • Flow ecology • Ecological modeling

**DEPARTMENT OF CHEMISTRY**

NAME	CONTACT INFORMATION	RESEARCH INTERESTS AND EXPERTISE
<b>Alonge, Emily</b> Instructor	<a href="mailto:Ealonge@tntech.edu">Ealonge@tntech.edu</a> 931-372-3238	Chemical education
<b>Boles, Jeffrey, Ph.D.</b> Professor and Chair	<a href="mailto:jboles@tntech.edu">jboles@tntech.edu</a> 931-372-3416	Analytical Biochemistry (Protein Purification, Electrophoresis, Mass Spectrometry) • Proteomics (including Environmental Proteomics) • Forensics of Clandestine Drugs (Chemical Fingerprinting using LC/MS/MS) • Protein Chemistry (Reaction Kinetics, Covalent Modification) and Structural Biochemistry (incorporation of unnatural

		selenium and tellurium containing amino acids into proteins)
<b>Callender, Andrew, Ph.D.</b> Assistant Professor	<a href="mailto:acallender@tnitech.edu">acallender@tnitech.edu</a> 931-372-6273	Analytical chemistry and spectroscopy • applications of dispersive liquid-liquid microextraction techniques for chromatography and spectroscopy • statistics and data science for interpretation of analytical data • low-cost analytical instrumentation for the developing world
<b>Carrick, Ann Marie</b> Senior Instructor	<a href="mailto:acarrick@tnitech.edu">acarrick@tnitech.edu</a> 931-372-3426	Chemical education
<b>Carrick, Jesse, Ph.D.</b> Professor	<a href="mailto:jcarrick@tnitech.edu">jcarrick@tnitech.edu</a> 931-372-6199	Minor actinide separations from spent nuclear fuel using soft-Lewis basic donors • heterocycle synthetic method development • medicinal chemistry • natural product total synthesis
<b>Carroll, Amanda, Ph.D.</b> Senior Lecturer	<a href="mailto:acarroll@tnitech.edu">acarroll@tnitech.edu</a> 931-372-6324	Chemical education (teaching, learning, and mentoring strategies) • Analytical/Inorganic Environmental Chemistry (utilizing chelating resins to remove metals from aqueous sources)
<b>Carroll, William, Ph.D.</b> Associate Professor	<a href="mailto:wcarroll@tnitech.edu">wcarroll@tnitech.edu</a> 931-372-6094	NMR spectroscopy • Residual Dipolar Couplings • physical organic chemistry
<b>Cashman, Derek, Ph.D.</b> Lecturer	<a href="mailto:dcashman@tnitech.edu">dcashman@tnitech.edu</a> 931-372-3434 <a href="http://sites.tnitech.edu/dcashman">http://sites.tnitech.edu/dcashman</a>	Computational Biophysics and Medicinal Chemistry. Specific areas of ongoing research include: (a) computational drug discovery of novel antibacterial (DHFR) and antiviral (COVID-19) agents; (b) protein-protein interactions and molecular dynamics simulations of Photosystem I; and (c) 3D printing techniques of biomolecules and small molecules.
<b>Cojocar, Andreea, Ph.D.</b> Instructor	<a href="mailto:ocojocar@tnitech.edu">ocojocar@tnitech.edu</a> 931 372-6399	(a) Applying the ionic liquids strategy to bio-renewable materials and utilizing the new materials for

		<p>pharmaceutical and environmental applications</p> <p>(b) Synthesis, development, and study of active pharmaceutical ingredients in liquid form</p> <p>(c) Development of new delivery systems for active pharmaceutical ingredients in liquid form.</p>
<p><b>Coonce, Janet</b> Senior Instructor</p>	<p><a href="mailto:jcoonce@tntech.edu">jcoonce@tntech.edu</a> 931-372-6521</p>	<p>Chemical Education: Research and design of tutorials, games, and animations for introductory Chemistry students</p>
<p><b>Crouse, David, Ph.D.</b> Associate Professor</p>	<p><a href="mailto:dcrouse@tntech.edu">dcrouse@tntech.edu</a> 931-372-3515</p>	<p>Organic Chemistry • Polymer Chemistry</p>
<p><b>Gichuhi, Wilson, Ph.D.</b> Associate Professor</p>	<p><a href="mailto:wgichuhi@tntech.edu">wgichuhi@tntech.edu</a> 931-372-3499</p>	<p><b>Atmospheric Chemistry and Environmental Spectroscopy:</b> The main research goal of my research group to apply infrared spectroscopic techniques in environmental and atmospheric detection of trace gases. Our measurements assist in gaining insights onto fundamental photophysical and photochemical processes, as well as the fate of reactive and non-reactive trace gases in urban and sub-urban environments. In the first project, we utilize a high-precision continuous wave Cavity-Ring-Down Spectroscopic (CRDS) for ground-based measurements of dry mixing ratios of methane (CH<sub>4</sub>), carbon dioxide (CO<sub>2</sub>) and carbon monoxide (CO) within the shallow boundary layer of the atmosphere. In the second project, mid and near infrared spectroscopic techniques are employed to detect and quantify non-methane hydrocarbons (NMHC) as methane tracers in the environment. In</p>

		<p>addition to playing a significant role in tropospheric chemistry and ozone formation, these NMHC provide critical molecular signatures that are useful in partitioning local and regional CH<sub>4</sub> emissions between various sources.</p>
<p><b>Glinski, Robert, Ph.D.</b> Professor</p>	<p><a href="mailto:rglinski@tntech.edu">rglinski@tntech.edu</a> 931-372-3420</p>	<p>Molecular emission spectroscopy • astronomical spectroscopy • astrochemistry • dynamics of molecules in astrophysical environments--comets and interstellar media.</p>
<p><b>Holden, Zachary, Ph.D.</b> Instructor</p>	<p><a href="mailto:zholden@tntech.edu">zholden@tntech.edu</a> 931-372-3748</p>	<p>Computational chemistry • QM/MM Simulations including Ewald summation • Chemical Education • Undergraduate PChem lab development • NMR kinetics of H-D exchange in hypophosphite</p>
<p><b>Jiang, Xiaohua, Ph.D.</b> Associate Professor</p>	<p><a href="mailto:xjiang@tntech.edu">xjiang@tntech.edu</a> 931-372-3184</p>	<p>Interactions between thiosemicarbazones and replication enzyme topoisomerase-II-<math>\alpha</math>. Thiosemicarbazones exhibit anti-proliferative activity and can be used as a potential anticancer drug by inhibiting topoisomerase-II-<math>\alpha</math>. Research in our laboratory seeks to understand what characteristics of thiosemicarbazones are important for inhibition as well as the extent these compounds can inhibit topoisomerase-II-<math>\alpha</math>. Our ongoing work encompasses biochemical assays to study the dose-dependency of these compounds with the enzyme and NMR spectroscopy to study the physical interactions between these compounds and the enzyme during inhibition. Our lab is also</p>



		currently investigating the C-terminus of human topoisomerase-II- $\alpha$ to obtain information about the factors that regulate the activity of the enzyme.
<b>Kocher, Lesta</b> Instructor	<a href="mailto:lkocher@tntech.edu">lkocher@tntech.edu</a> 931-372-6819	<b>Environmental chemistry</b>
<b>Lisic, Edward, Ph.D.</b> Professor	<a href="mailto:edlisic@tntech.edu">edlisic@tntech.edu</a> 931-372-3425	Coordination chemistry of the transition metals, ligand synthesis, nuclear medicine <ul style="list-style-type: none"> <li>• Director of the Undergraduate Research Program (U.R.E.C.A. and C.I.S.E.)</li> </ul>
<b>Majors, Twanelle, Ph.D.</b> Lecturer	<a href="mailto:tmajors@tntech.edu">tmajors@tntech.edu</a> 931-372-3425	Plant compounds suitable for agrichemical and medicinal applications, AP Chemistry, assessment development and quantitative evaluation, K-16 non-majors multicultural STEM pedagogies and assessment, impact of deficit ideologies on STEM learners.
<b>Moldenhauer, Jonathan, Ph.D.</b> Instructor	<a href="mailto:jmoldenhauer@tntech.edu">jmoldenhauer@tntech.edu</a> 931-372-6866	Fundamental electrochemistry pertaining to basic electrochemical properties and novel solvents <ul style="list-style-type: none"> <li>• electrochemical sensors for in situ real time monitoring of analytes.</li> </ul>
<b>Mullins, Gene</b> Lab Coordinator	<a href="mailto:gmullins@tntech.edu">gmullins@tntech.edu</a> 931-372-3536	Instrumentation • method development and application <ul style="list-style-type: none"> <li>• polymer applications</li> </ul>
<b>Pratihari, Subha</b> Instructor	<a href="mailto:spratihari@tntech.edu">spratihari@tntech.edu</a> 931-372-3237	Dynamics of soft landing of peptide ions on organic surfaces • Dynamics of collision induced dissociation of peptide ions • Dynamics of noble gas collision on ice surface • Dynamics of chemical reactions in gas phase • Post-transition state dynamics • Quantum chemical calculations followed by parameterization of PES for development of force field parameters <ul style="list-style-type: none"> <li>• Classical dynamics simulations</li> <li>• QM and QM/MM direct dynamics simulations</li> </ul>

<b>Rezsnyak, Chad, Ph.D.</b> Associate Professor	<a href="mailto:crezsnyak@tntech.edu">crezsnyak@tntech.edu</a> 931-372-6282	Development and implementation of novel pedagogies and resources to improve the educational experience of chemistry students
<b>Rust, Kathryn</b> Instructor	<a href="mailto:krust@tntech.edu">krust@tntech.edu</a> 931-372-3423	Chemical education
<b>Swartling, Daniel, Ph.D.</b> Associate Professor	<a href="mailto:dswart@tntech.edu">dswart@tntech.edu</a> 931-372-3431	Bio-organic and medicinal chemistry • Green and sustainable chemistry • Alternative energy and biofuels. Biomass for sustainable chemical feedstocks
<b>Zhan, Xuanzhi, Ph.D.</b> Associate Professor	<a href="mailto:xzhan@tntech.edu">xzhan@tntech.edu</a> 931-372-3427	Our group is focusing on understanding the mechanisms of ASK1-initiated mitogen activated kinase (MAPK) signaling. We have placed a strong emphasis on reconstructing these interested cellular signal cascades with purified proteins. A combination of biochemical, biophysical, bioanalytical and computational approaches are employed to explore the dynamic movements, post-translational modifications, and protein-protein interactions in these signaling pathways. Particularly, we are focusing on three research areas: (1) the activation mechanisms of ASK1, one of the MAP3Ks; (2) the assembly of ASK1-MKK4/7-JNKs complex, and the molecular recognition between enzyme and substrate; (3) the regulation of scaffold protein (arrestin) in these MAP Kinase cascades.
<b>Zhang, Hong, Ph.D.</b> Professor	<a href="mailto:h Zhang@tntech.edu">h Zhang@tntech.edu</a> 931-372-6325	Physical and chemical processes, dynamics, chemical kinetics, molecular mechanisms, consequences, and control of transport, transformation, and cycling of pollutants and natural chemical substances in the environment, crossing air, water, plant, and soil, on local, regional, and global scales in general, and those associated with mercury

		in particular. Application of analytical chemistry in environmental chemistry. The research areas involve environmental photochemistry, environmental geochemistry, aquatic chemistry, soil chemistry, atmospheric chemistry, environmental biochemistry, environmental analytical chemistry, molecular biogeochemistry, and global biogeochemistry.
DEPARTMENT OF EARTH SCIENCES		
NAME	CONTACT INFORMATION	RESEARCH INTERESTS AND EXPERTISE
<b>Luna, Jeannette</b> Associate Professor and Interim Chair	<a href="mailto:jwolak@tntech.edu">jwolak@tntech.edu</a> (931) 372-3695	Sedimentology and stratigraphy <ul style="list-style-type: none"> <li>• Carbonate/clastic slope environments</li> <li>• Deepwater deposition</li> <li>• Planetary geology</li> <li>• Petroleum geology</li> <li>• Mineral exploration</li> </ul>
<b>Asante, Joseph</b> Assistant Professor	<a href="mailto:jasante@tntech.edu">jasante@tntech.edu</a> (931) 372-3576	Society, environment, climate, hydrogeology, watershed, and aquatic chemistry: Impact on water quality, quantity and availability
<b>Harrison, Michael</b> Professor	<a href="mailto:mharrison@tntech.edu">mharrison@tntech.edu</a> (931) 372-3751	Field geology • Geologic mapping • Rock deformation <ul style="list-style-type: none"> <li>• Tectonics, whole-earth structure, mountain formation</li> </ul>
<b>Hart, Evan</b> Professor	<a href="mailto:ehart@tntech.edu">ehart@tntech.edu</a> (931) 372-3516	Fluvial geomorphology <ul style="list-style-type: none"> <li>• Flood hydrology</li> <li>• Karts, soils, coastal processes</li> </ul>
<b>Li, Peter</b> Professor	<a href="mailto:pli@tntech.edu">pli@tntech.edu</a> (931) 372-3752	GIS and geospatial analysis <ul style="list-style-type: none"> <li>• Environmental applications of GIS</li> </ul>
<b>Michel, Lauren</b> Assistant Professor	<a href="mailto:lmichel@tntech.edu">lmichel@tntech.edu</a> (931) 372-3188	Climate science • Ancient soils (paleosols) • Stable isotope geochemistry <ul style="list-style-type: none"> <li>• Paleoclimate and paleoenvironmental reconstructions</li> </ul>

DEPARTMENT OF ENGLISH		
NAME	CONTACT INFORMATION	RESEARCH INTERESTS AND EXPERTISE
<b>Null, Linda</b> Professor and Chair	<a href="mailto:lnull@tnitech.edu">lnull@tnitech.edu</a> (931) 372-3345	18 <sup>th</sup> -century British Novel • Jane Austen
<b>Baker, Tony</b> Professor, Director of Composition	<a href="mailto:abaker@tnitech.edu">abaker@tnitech.edu</a> (931) 372-6314	Rhetoric • First-year composition • Writing pedagogy • Writing assessment • Graphic novels • Cultural and literary representations of autism
<b>Bounds, Paulina</b> Associate Professor	<a href="mailto:pbounds@tnitech.edu">pbounds@tnitech.edu</a> (931) 372-3763 <a href="http://paulinabounds.wixsite.com/paulinabounds">http://paulinabounds.wixsite.com/paulinabounds</a>	Perceptual dialectology • Language perceptions • Linguistic attitudes • Language variation • Linguistics of speech • GIS mapping of linguistic perceptions, grade perceptions, mindfulness, grading strategies in classroom
<b>Burduck, Michael</b> Professor	<a href="mailto:mburduck@tnitech.edu">mburduck@tnitech.edu</a> (931) 372-3360	Early 19 <sup>th</sup> -Century American Literature (Irving, Cooper, Poe, Hawthorne, Whitman), Gothic Literature, William Faulkner
<b>Cardana, Robert</b> Lecturer	<a href="mailto:rcardana@tnitech.edu">rcardana@tnitech.edu</a> (931) 372-3660	Theater design and technology • The theater of: Politics, religion, grocery stores, protest, classrooms • Creativity • Small business marketing
<b>Creter, Mark H.</b> Professor and Artistic Director	<a href="mailto:mcreter@tnitech.edu">mcreter@tnitech.edu</a> (931) 372-4578 <a href="http://www.tnitech.edu/bdph">www.tnitech.edu/bdph</a>	Theatre-Acting (for stage and camera) • Directing (all genres) • Voice and Diction • Shakespeare in Performance • Film Studies • Script Analysis • Audition Techniques • Dramatic Literature
<b>Deiter, Kristen</b> Associate Professor	<a href="mailto:kdeiter@tnitech.edu">kdeiter@tnitech.edu</a> (931) 372-3328	Shakespeare • Early Modern English literature (poetry, drama, prose) and culture • Literary criticism and theory • Early Modern London, Tower of London

<b>Ductan, Monic</b> Assistant Professor	<a href="mailto:mductan@tntech.edu">mductan@tntech.edu</a> (931) 372-3909	Fiction writing (realism) • The personal essay and memoir • Appalachian literature • Southern literature • African-American literature • Working-class literature
<b>Ernst, Daniel</b> Lecturer	<a href="mailto:dernst@tntech.edu">dernst@tntech.edu</a> (931) 372-3164	Writing and educational assessment • Measurement of learning • Technical communication • Public and political rhetoric
<b>Fisk, William</b> Senior Instructor	<a href="mailto:wfisk@tntech.edu">wfisk@tntech.edu</a> (931) 372-3349	American literature • British literature
<b>Gray, Jennifer</b> Assistant Professor	<a href="mailto:jgray@tntech.edu">jgray@tntech.edu</a> (931) 372-6569	20 <sup>th</sup> and 21 <sup>st</sup> century British and Anglophone literature, particularly British Empire literature; women's literature; culinary diplomacy in literature; African, Middle Eastern and South Asian literatures
<b>Henry, Sharon</b> Lecturer	<a href="mailto:shenry@tntech.edu">shenry@tntech.edu</a> (931) 372-6271	
<b>Hoover, Erin</b> Assistant Professor	<a href="mailto:ehoover@tntech.edu">ehoover@tntech.edu</a> (931) 372-3347	Poetry writing • Gender and 20 <sup>th</sup> /21 <sup>st</sup> century poetics • Literary and professional editing • Equity in publishing
<b>Hunt, Helen</b> Assistant Professor	<a href="mailto:hhunt@tntech.edu">hhunt@tntech.edu</a> (931) 372-3346	Early American literature, especially early novels, gender and sexuality studies, and queer theory
<b>Laird, Shirley</b> Professor	<a href="mailto:slaird@tntech.edu">slaird@tntech.edu</a> (931) 372-3348	Chaucer • Shakespeare • Tolkien • Grammar • Early English literature
<b>McQuail, Josephine</b> Professor	<a href="mailto:jmcquail@tntech.edu">jmcquail@tntech.edu</a> (931) 372-6207	British Romantic literature and William Blake • Victorian literature • 20 <sup>th</sup> - Century British literature • James Joyce • Janet Frame
<b>Moynihan, Susan Muchshima</b> Senior Lecturer	<a href="mailto:smoynihan@tntech.edu">smoynihan@tntech.edu</a> (931) 372-3909	American literature, late 19-21 <sup>st</sup> -Century • Comparative American ethnic literature, Asian American literature • Gender and women's literature • Autobiography

		<ul style="list-style-type: none"> <li>• Theories of trauma and affect/emotion</li> </ul>
<b>Pelton, Ted</b> Professor	<a href="mailto:tpelton@tntech.edu">tpelton@tntech.edu</a> (931) 372-3047	Fiction writing • Small press and literary magazine publishing • Jack Kerouac and the Beat Generation • Herman Melville, and 19 <sup>th</sup> C. American literature • History and form of the novel • Creative inquiry instruction
<b>Pickering, Kristin</b> Professor	<a href="mailto:kpickering@tntech.edu">kpickering@tntech.edu</a> (931) 372-6568	Emotion and professional/technical communication • Identity construction • Textual analysis • Disciplinary/professional genres • Oral communication assessment • Rhetoric • Qualitative research strategies • Rhetoric of sustainability • Government communication
<b>Ramler, Mari</b> Assistant Professor	<a href="mailto:mrangler@tntech.edu">mrangler@tntech.edu</a> (931) 372-3768	Critical theory • Gender and sexuality studies • Science and religion • The rhetoric and communication of digital censorship • Usability • Ecology
<b>Robinson, Elizabeth</b> Senior Instructor	<a href="mailto:erobinson@tntech.edu">erobinson@tntech.edu</a> (931) 372-3350	American literature • Novels • Young adult literature • John Steinbeck • Edgar Allan Poe • Film • Composition
<b>Smith, Andrew William</b> Senior Instructor	<a href="mailto:asmith@tntech.edu">asmith@tntech.edu</a> (931) 372-3345 <a href="https://sites.google.com/site/professorandysmith/">https://sites.google.com/site/professorandysmith/</a>	Christian social justice movement and Christian counter-culture
<b>Stenson, Matthew Scott</b> Instructor	<a href="mailto:stenson@tntech.edu">stenson@tntech.edu</a> (931) 644-7229	Shakespeare • Milton • Romantics • History of rhetoric • Sacred literature
<b>Williams, Brian</b> Associate Professor	<a href="mailto:bjwilliams@tntech.edu">bjwilliams@tntech.edu</a> (931) 372-3338	20 <sup>th</sup> C. American fiction • Contemporary American fiction and the literature of war and trauma (particularly Vietnam, Afghanistan, and Iraq)

DEPARTMENT OF FOREIGN LANGUAGES		
NAME	CONTACT INFORMATION	RESEARCH INTERESTS AND EXPERTISE
<b>Sheehan, Martin</b> Associate Professor of German and Interim Chair	<a href="mailto:MSheehan@tntech.edu">MSheehan@tntech.edu</a> (931) 372-6535	Digital humanities • Cultural analytics • Literary network analysis • Twitterbots • Film studies • Photography theory • Dramatic comedy • Disability studies • The long nineteenth century • George Trakl
<b>Barnard, Debbie</b> Associate Professor of French	<a href="mailto:DBarnard@tntech.edu">DBarnard@tntech.edu</a> (931) 372-3773	Francophone literature • North Africa • Critical identity studies • Urban theory • Postcolonial theory • Religion and identity
<b>Groundland, Mark</b> Associate Professor of Spanish	<a href="mailto:MGroundland@tntech.edu">MGroundland@tntech.edu</a> (931) 372-3158	Don Quixote • Literature, history, culture of the Spanish Golden Age • Bibliography • Moriscos
<b>Gruber, Julia</b> Associate Professor of German	<a href="mailto:JGruber@tntech.edu">JGruber@tntech.edu</a> (931) 372-3787	German studies • Jewish Austrian literature • Family novel • Jewish child exiles • German film • Berlin • Female anger and resistance in the German-speaking world • Dr. Heinrich Hoffmann's <i>Der Struwwelpeter</i>
<b>Humita, Cristina</b> Lecturer of Spanish	<a href="mailto:MCHumita@tntech.edu">MCHumita@tntech.edu</a> (931) 372-3778	Spanish language • Latin American culture and literature • Second language acquisition • Bilingualism
<b>Kazakova, Elena</b> Lecturer of French	<a href="mailto:EKazakova@tntech.edu">EKazakova@tntech.edu</a> (931) 372-3776	Early modern literature • Theory and practice of translation in the early modern period • Foreign language pedagogy and assessment
<b>Olsen, Michael</b> Assistant Professor of Spanish, Curriculum Director for TTU's Center for English as a Second Language	<a href="mailto:MOlsen@tntech.edu">MOlsen@tntech.edu</a> (931) 372-3777	Spanish linguistics • Second language acquisition • Applied linguistics • Spanish dialectology • Foreign language teacher education • Foreign language pedagogy

<b>Villalba, Manuel</b> Assistant Professor of Spanish	<a href="mailto:MVillalba@tntech.edu">MVillalba@tntech.edu</a> (931) 372-3771	Exile and diaspora studies • Critical theory • Contemporary Spanish culture and literature • Film studies
DEPARTMENT OF HISTORY		
NAME	CONTACT INFORMATION	RESEARCH INTERESTS AND EXPERTISE
<b>Dollar, Kent T.</b> Professor and Interim Chair	<a href="mailto:kdollar@tntech.edu">kdollar@tntech.edu</a> (931) 372-6547	Colonial America, Early National, Civil War and American Religion
<b>Akehinmi, Krystal</b> Assistant Professor	<a href="mailto:kdfakehinmi@tntech.edu">kdfakehinmi@tntech.edu</a> (931) 372-6322	African-American and women's history
<b>Banton, Arthur</b> Assistant Professor	<a href="mailto:abanton@tntech.edu">abanton@tntech.edu</a>	Sports • Race • Ethnicity • Modern cultural history
<b>Beason, Ed</b> Adjunct Faculty	<a href="mailto:ebeason@tntech.edu">ebeason@tntech.edu</a> (931) 372-6548	U.S. history and digital history
<b>Birdwell, Michael E.</b> Professor	<a href="mailto:birdie@tntech.edu">birdie@tntech.edu</a> (931) 372-3356	Cultural history, film, and World War I
<b>Brown, R. Keith</b> Adjunct Faculty	<a href="mailto:rbrown1@k12tn.net">rbrown1@k12tn.net</a> (931) 372-3332	U.S. history
<b>Davis, Phillip C., Jr.</b> Instructor	<a href="mailto:pdavis@tntech.edu">pdavis@tntech.edu</a> (931) 372-3333	U.S. history
<b>Driggers, E. Allen, Jr.</b> Associate Professor	<a href="mailto:edriggers@tntech.edu">edriggers@tntech.edu</a> (931) 372-3335	British history • History of science • History of engineering • History of Earth sciences • History of chemistry
<b>Hinton, Paula K.</b> Associate Professor	<a href="mailto:phinton@tntech.edu">phinton@tntech.edu</a> (931) 372-3339	Women, gender, and history of crime
<b>Laningham, Susan D.</b> Professor	<a href="mailto:slaningham@tntech.edu">slaningham@tntech.edu</a> (931) 372-6254	Ancient/medieval/early modern Europe, Mediterranean, Mexico, religion, and women
<b>Propes, C. Elizabeth</b> Associate Professor	<a href="mailto:epropes@tntech.edu">epropes@tntech.edu</a> (931) 372-3616	Modern France, 19 <sup>th</sup> -century Europe, and African history
<b>Roberts, Jeffery J.</b> Professor	<a href="mailto:jroberts@tntech.edu">jroberts@tntech.edu</a> (931) 372-3365	European Military, Russia, and Middle East History
<b>Schiller, Samuel</b> Adjunct Faculty	<a href="mailto:ajs@schillerlawfirm.com">ajs@schillerlawfirm.com</a> (931) 372-3332	U.S. legal history
<b>Schmitzer, Jeanne</b> Adjunct Faculty	<a href="mailto:jschmitzer@twlakes.net">jschmitzer@twlakes.net</a> (931) 372-6025	U.S. history
<b>Smith, Laura</b> Instructor	<a href="mailto:lesmith@tntech.edu">lesmith@tntech.edu</a> (931) 372-3335	U.S. history



<b>Smith, Troy D.</b> Associate Professor	<a href="mailto:tdsmith@tntech.edu">tdsmith@tntech.edu</a> (931) 372-6297	Western U.S., Native American, and environmental history
DEPARTMENT OF MATHEMATICS		
NAME	CONTACT INFORMATION	RESEARCH INTERESTS AND EXPERTISE
<b>Allen, Michael</b> Professor, Interim Chair	<a href="mailto:mallen@tntech.edu">mallen@tntech.edu</a> (931) 372-3569	Time series • Spatial statistics • Bootstrapping • Machine learning • Additive manufacturing
<b>Chambers, Amy</b> Associate Professor	<a href="mailto:achambers@tntech.edu">achambers@tntech.edu</a> (931) 372-3690	C* - algebras and Wavelets
<b>Davis, Chris</b> Associate Professor	<a href="mailto:cbdavis@tntech.edu">cbdavis@tntech.edu</a> (931) 372-3445 <a href="http://math.tntech.edu/cbdavis/">http://math.tntech.edu/cbdavis/</a>	Numerical analysis of partial differential equations • Developing and analyzing partition of unity methods for fourth (and higher) order problems
<b>Hetzel, Andrew J.</b> Associate Professor	<a href="mailto:ahetzel@tntech.edu">ahetzel@tntech.edu</a> (931) 372-3581 <a href="http://math.tntech.edu/ajhetzel">http://math.tntech.edu/ajhetzel</a>	Multiplicative Ideal Theory • Commutative Ring Theory
<b>Kubiak, Damian</b> Associate Professor	<a href="mailto:dkubiak@tntech.edu">dkubiak@tntech.edu</a> (931) 372-3529	Functional analysis • Banach spaces • Function spaces • Operator Theory
<b>LeBorne, Richard</b> Professor	<a href="mailto:rleborne@tntech.edu">rleborne@tntech.edu</a> (931) 372-3582	Numerical analysis of algorithms in adaptive signal processing • STEM education • Learning mathematics for long-term retention
<b>Liu, Yung-Way</b> Professor	<a href="mailto:ywliu@tntech.edu">ywliu@tntech.edu</a> (931) 372-3564	Differential equations • Integral equations and their applications
<b>Machida, Motoya</b> Associate Professor	<a href="mailto:mmachida@tntech.edu">mmachida@tntech.edu</a> (931) 372-3583	Probability theory • Stochastic process • Mathematical statistics
<b>O'Connor, Brian</b> Associate Professor	<a href="mailto:bmoc@tntech.edu">bmoc@tntech.edu</a> (931) 372-3570	Numerical analysis and partial differential equations
<b>Shibakov, Alexander</b> Professor	<a href="mailto:ashibakov@tntech.edu">ashibakov@tntech.edu</a> (931) 372-3438	Topology and Set Theory • Probability and Measure Theory • Theory of Computation and Computer Arithmetic
<b>Smith, David</b> Professor	<a href="mailto:ddsmith@tntech.edu">ddsmith@tntech.edu</a> (931) 372-3568	Statistical consulting • Climate modeling • Extreme value models • Small area estimation

		<ul style="list-style-type: none"> <li>• Bayesian methods for data analysis</li> </ul>
<b>Veerapen, Padmini</b> Associate Professor	<a href="mailto:pveerapen@tntech.edu">pveerapen@tntech.edu</a> (931) 372-3526	Noncommutative algebra <ul style="list-style-type: none"> <li>• Noncommutative algebraic geometry</li> </ul>
<b>DEPARTMENT OF PHYSICS</b>		
<b>NAME</b>	<b>CONTACT INFORMATION</b>	<b>RESEARCH INTERESTS AND EXPERTISE</b>
<b>Robinson, Steve</b> Professor and Chair	<a href="mailto:sjrobinson@tntech.edu">sjrobinson@tntech.edu</a> (931) 372-3480 <a href="http://iweb.tntech.edu/sjrobinson/">http://iweb.tntech.edu/sjrobinson/</a>	Physics Education Research (PER) <ul style="list-style-type: none"> <li>• Curriculum development for physics and physical science courses</li> <li>• Faculty development in teaching and learning</li> </ul>
<b>Ayik, Sakir</b> Professor	<a href="mailto:ayik@tntech.edu">ayik@tntech.edu</a> (931) 372-3156	Heavy-ions reactions
<b>Engelhardt, Paula V.</b> Associate Professor	<a href="mailto:engelhar@tntech.edu">engelhar@tntech.edu</a> Bruner 215 (931) 372-3629	Physics education research
<b>Holley, Adam</b> Assistant Professor	<a href="mailto:aholley@tntech.edu">aholley@tntech.edu</a> Bruner Hall 222 (931) 372-3145	Interests: Low-energy fundamental physics <ul style="list-style-type: none"> <li>• Quantum computing/information</li> <li>• Computational modeling</li> </ul> Expertise: Production and detection of cold and ultracold neutrons, neutron polarimetry <ul style="list-style-type: none"> <li>• Monte Carlo simulations</li> <li>• Radio frequency systems</li> <li>• Data acquisition hardware/software and analysis techniques for particle detection systems</li> <li>• Vacuum technology and low-temperature systems (e.g., liquid He systems, dilution refrigerators, SQUIDs, superconducting magnets)</li> </ul>
<b>Kidd, Mary</b> Assistant Professor	<a href="mailto:mkidd@tntech.edu">mkidd@tntech.edu</a> Bruner 216 (931) 372-3477	Rare decay searches (neutrinoless double beta decay, dark matter) <ul style="list-style-type: none"> <li>• Particle detection</li> <li>• Environmental applications of nuclear physics</li> <li>• Applications of radioactive</li> </ul>

		<p>decay processes • Imaging using nuclear physics • Astronomical imaging  Expertise: Gamma-ray spectroscopy • Operation of high purity germanium detectors and scintillators • Monte Carlo simulations • Some image analysis</p>
<p><b>Kozub, Raymond L.</b>  Professor</p>	<p><a href="mailto:rkozub@tntech.edu">rkozub@tntech.edu</a>  (931) 372-3479 or 372-3483  <a href="http://web.blomand.net/~rkozub/">http://web.blomand.net/~rkozub/</a></p>	<p>Experimental nuclear physics</p>
<p><b>Rajabali, Mustafa M.</b>  Assistant Professor</p>	<p><a href="mailto:mrajabali@tntech.edu">mrajabali@tntech.edu</a>  Box 5051, Bruner Hall  221  (931) 372-3044</p>	<p>Expertise in radiation detection and decay spectroscopy of beta, alpha, gamma and neutron radiation • Detector development for radiation detection including HPGe detectors • Scintillators and silicon detectors  Interests:  Low energy nuclear physics - Study of the nuclear structure of very rare neutron rich nuclei via decay and laser spectroscopy to understand the collective behavior of the nucleons that make up the nuclei and how the collective behavior is influenced by the abundance of neutrons • Interdisciplinary science - Application of radiation detection methods for research in geography, biology and environmental science</p>
<p><b>Shriner, John</b>  Professor</p>	<p><a href="mailto:jshriner@tntech.edu">jshriner@tntech.edu</a></p>	<p>Nuclear resonance reactions • Statistical properties of nuclear levels</p>

DEPARTMENT OF SOCIOLOGY AND POLITICAL SCIENCE		
NAME	CONTACT INFORMATION	RESEARCH INTERESTS AND EXPERTISE
<b>Maxwell, Lori, Ph.D.</b> Professor and Chair	<a href="mailto:LMaxwell@tntech.edu">LMaxwell@tntech.edu</a>	Constitutional law • Judicial process • Gender studies Political culture • Presidential studies
<b>Bower, Erica</b> Assistant Professor	<a href="mailto:ebower@tntech.edu">ebower@tntech.edu</a> (931) 372-3208	
<b>Brown, Shelly S. M.A.</b> Senior Instructor	<a href="mailto:CSBrown@tntech.edu">CSBrown@tntech.edu</a> (931) 372-6122	Certified gerontologist • Service learning • Scholarship of teaching and learning
<b>Carlton, Cecil Ph.D.</b> Associate Professor	<a href="mailto:CCarlton@tntech.edu">CCarlton@tntech.edu</a> (931) 372-3812	History of philosophy • Early Christianity • Wittgenstein, Agrarianism
<b>Cook, Nicole M.A.</b> Instructor	<a href="mailto:NACook@tntech.edu">NACook@tntech.edu</a> (931) 372-3819	
<b>Cook-Mucci, Wendy M.A.</b> Lecturer	<a href="mailto:Cookmucci@tntech.edu">Cookmucci@tntech.edu</a> (931) 372-3208	Gender studies • Medical sociology • Millenials and age cohort analysis • Marriage and family
<b>Estes, Michelle</b> Assistant Professor	<a href="mailto:mestes@tntech.edu">mestes@tntech.edu</a> (931) 372-3437	Qualitative research methods • community reentry after incarceration • wrongful convictions • inequality • race • gender
<b>Gunter, Michael Ph.D.</b> Professor	<a href="mailto:MGunter@tntech.edu">MGunter@tntech.edu</a> (931) 372-3180	Kurds in Turkey and Iraq, Kurdistan, the Kurdish struggle • Middle East Politics • Turkey • Armenians • American foreign policy • China • UK • France • Germany • Soviet Union (Russia) • EU • United Nations • Terrorism • International law • International politics
<b>Harding, Lauren Ph.D.</b> Assistant Professor	<a href="mailto:LHarding@tntech.edu">LHarding@tntech.edu</a> (931) 372-3817	
<b>Haynes, Ada Ph.D.</b> Professor	<a href="mailto:AHaynes@tntech.edu">AHaynes@tntech.edu</a> (931) 372-3815	Appalachia • Gender • Inequality • Cultural diversity • Critical thinking • STEM Education • Peace

<b>McGauvran, Ronald J. Ph.D.</b> Assistant Professor	<a href="mailto:RMcgauvran@tntech.edu">RMcgauvran@tntech.edu</a> (931) 372-6296	Quantitative research methods • Causes and consequences of inequality • Political economy • International monetary instruments • Inequality and political participation
<b>Norris, Lachelle Ph.D.</b> Professor of Sociology	<a href="mailto:LNorris@tntech.edu">LNorris@tntech.edu</a> (931) 372-6220	Environmental sociology • Political economy of Upper Cumberland • qualitative field methods • historical sociology • Appalachia • rural sociology • death/dying
<b>Raymondo, James</b> Professor	<a href="mailto:JRaymondo@tntech.edu">JRaymondo@tntech.edu</a> (931) 372-3437	
<b>Seiler, Steven</b> Associate Professor	<a href="mailto:SSeiler@tntech.edu">SSeiler@tntech.edu</a> (931) 372-3171	Research Methods • Quantitative & quality data analysis • Program evaluation • Research ethics/IRB • Social psychology • Social technology • Drug use/misuse & recovery • Social justice
<b>Wright, Lauren Ph.D.</b> Assistant Professor	<a href="mailto:LEWright@tntech.edu">LEWright@tntech.edu</a> (931) 372-3820	Sexual violence • Crime and the media • Theory

**COLLEGE OF BUSINESS**  
**FACULTY AREAS OF EXPERTISE BY DEPARTMENT**

DEPARTMENT OF ACCOUNTING		
NAME	CONTACT INFORMATION	RESEARCH INTERESTS AND EXPERTISE
<b>Bundy, Sid</b> Assistant Professor of Accounting	<a href="mailto:sbundy@tntech.edu">sbundy@tntech.edu</a> (931) 372-3761	Bankruptcy prediction modeling • Auditing going concern assertions • Formative classroom assessments • Curriculum alignment
<b>Davis, Ann Boyd</b> Associate Professor of Accounting	<a href="mailto:anndavis@tntech.edu">anndavis@tntech.edu</a> (931) 372-6537	Accounting for income taxes • Tax expense management • Corporate income tax • State and local tax nexus • Corporate social responsibility
<b>Garner, Steve</b> Assistant Professor of Accounting	<a href="mailto:sgarner@tntech.edu">sgarner@tntech.edu</a> (931) 372-6854	Financial accounting • Corporate governance • Audit committee regulation and expertise • Environmental disclosure • The oil and gas industry
<b>Wilbanks, Robert M.</b> Assistant Professor of Accounting	<a href="mailto:rwilbanks@tntech.edu">rwilbanks@tntech.edu</a> (931) 372-3911	Management/cost accounting • Governmental accounting • Corporate governance • Board gender issues • Audit committee issues
DEPARTMENT OF DECISION SCIENCES AND MANAGEMENT		
NAME	CONTACT INFORMATION	RESEARCH INTERESTS AND EXPERTISE
<b>Armstrong, Curtis</b> Professor of Decision Sciences	<a href="mailto:carmstrong@tntech.edu">carmstrong@tntech.edu</a> (931) 372-3895	Information systems management • Information systems quality • Business innovation • Business application of machine learning • Cyber security management
<b>Baidoo, Edwin</b> Assistant Professor of Decision Sciences	<a href="mailto:ebaidoo@tntech.edu">ebaidoo@tntech.edu</a> (931) 372-3110	Machine learning • Deep learning • Credit scoring • Profit scoring • Statistical analysis • Actuarial science • Marketing analytics
<b>Baucum, Matt</b> Instructor, Decision Sciences and Management	<a href="mailto:mbaucum@tntech.edu">mbaucum@tntech.edu</a> (931) 372-3740	
<b>Matthews, Ryan</b> Assistant Professor of Business Management	<a href="mailto:rlmatthews@tntech.edu">rlmatthews@tntech.edu</a> (931) 372-6229	Entrepreneurship • Sales and marketing – Business to business • Advanced statistics and methods • Real estate • Business valuation
<b>Nation, Ryan</b> Lecturer of Business Management	<a href="mailto:crnation@tntech.edu">crnation@tntech.edu</a> (931) 372-3151	Business communications • Technical and professional communication(s) • Leadership • Screenwriting • Journalism and media studies • Voice acting • Humor as a motivational tool
<b>Smith, Larry</b> Lecturer of Decision Sciences	<a href="mailto:lsmith@tntech.edu">lsmith@tntech.edu</a> (931) 372-6828	Operations and supply chain management • Quality control • Logistics management • Engineering economy

<b>Timmerman, Tom</b> Chair of Decision Sciences and Management and Professor of Business Management	<a href="mailto:ttimmerman@tntech.edu">ttimmerman@tntech.edu</a> (931) 372-3160	Human resource management • Leadership • Evidence-based management • Sport as a laboratory for management • Workplace fairness • Diversity • Management education
<b>Toth, Allison</b> Assistant Professor of Business Management	<a href="mailto:atoth@tntech.edu">atoth@tntech.edu</a> (931) 372-6781	
<b>Turner, Kyle</b> Assistant Professor of Business Management	<a href="mailto:kturner@tntech.edu">kturner@tntech.edu</a> (931) 372-6253	Competitive dynamics • Corporate social responsibility • Competition • Social entrepreneurship • Managerial risk
<b>Wells, F. Stuart</b> Professor of Decision Sciences	<a href="mailto:swells@tntech.edu">swells@tntech.edu</a> (931) 372-3334	Digital forensics • Technology impacts on the workplace • IT related cases • Link files • Solid state drives
<b>Wells, Susan G.</b> Lecturer of Business Management	<a href="mailto:swells2@tntech.edu">swells2@tntech.edu</a> (931) 372-3176	Conflict management and negotiation • Business intelligence • Organizational leadership • Leading the multigenerational workplace • Are we tech savvy or tech dependent?
<b>Williams, Jamie</b> Assistant Professor of Business Management	<a href="mailto:jaimewilliams@tntech.edu">jaimewilliams@tntech.edu</a> (931) 372-3870	Human resources • Conditional reasoning • Aggressive personality • Abusive supervision • Counterproductive work behaviors • Diversity • Shareholder activism
<b>Williams, Seth</b> Lecturer of Decision Sciences	<a href="mailto:sawilliams@tntech.edu">sawilliams@tntech.edu</a> (931) 372-6251	Information systems management • Computer forensics • Network security • Data security
DEPARTMENT OF ECONOMICS, FINANCE, AND MARKETING		
NAME	CONTACT INFORMATION	RESEARCH INTERESTS AND EXPERTISE
<b>Alley, Sean</b> Associate Professor of Economics	<a href="mailto:salley@tntech.edu">salley@tntech.edu</a> (931) 372-3369	Law and economics • Forensic economics • Environmental and natural resource economics • Public finance
<b>Anitsal, M. Meral</b> Professor of Marketing	<a href="mailto:manitsal@tntech.edu">manitsal@tntech.edu</a> (931) 372-3391	Consumer Behavior: Customer value • Attitude formation and change • Word-of-mouth communication • Risk perception in cross cultural settings • New product/service development • Services marketing • Branding • Logo design and strategy Educational Research: Experiential/active learning • Online teaching and learning environments • Academic dishonesty Marketing Research: Structural equation modeling • Qualitative research based on Grounded Theory Approach

<b>Davidovic, Milivoje</b> Instructor, Economics, Finance and Marketing	<a href="mailto:mdavidovic@tntech.edu">mdavidovic@tntech.edu</a> (931) 372-3340	Quantitative economics • Applied econometrics • Macroeconometrics • Bayesian inference • Stochastic finance • Machine learning • Algorithmic trading
<b>DiFurio, Ferdinand</b> Professor of Economics	<a href="mailto:fdifurio@tntech.edu">fdifurio@tntech.edu</a> (931) 372-3839	Regional economics • Socioeconomic studies • Economics of mental health, survival analysis, economics, statistics
<b>Hales, Alma</b> Assistant Professor of Finance	<a href="mailto:ahales@tntech.edu">ahales@tntech.edu</a> (931) 372-3717	International issues in finance • Equity cross- listings • Exchange rate risk • Stock market development
<b>Isbell, Steven B.</b> Professor of Economics	<a href="mailto:Steve_Isbell@tntech.edu">Steve_Isbell@tntech.edu</a> (931) 372-3745	Value of Life • Forgone Income • Human Capital • Skills • Occupational Choice • Labor Productivity • Wage Level and Structure • Wage Differentials • Discrimination • Causal Econometrics
<b>Lee, Joohun “Justin”</b> Assistant Professor, Economics, Finance and Marketing	<a href="mailto:jlee@tntech.edu">jlee@tntech.edu</a> (931) 372-3117	Corporate social responsibility • Corporate finance • Labor and finance • Ethics and finance • Corporate governance
<b>Nabors, Yolunda</b> Lecturer, Economics	<a href="mailto:ynabors@tntech.edu">ynabors@tntech.edu</a> (931) 372-3794	Policy analysis • Rural development • Urban development • Tourism • Economic model simulation
<b>Park, Hyewon</b> Assistant Professor of Marketing	<a href="mailto:hpark@tntech.edu">hpark@tntech.edu</a> (931) 372-3471	Social identity • Social network • Service worker management • Pricing • New product development • Innovation • Collusion • Market transparency • Marketing analytics • Analytical modeling • Economic experiment
<b>Pashley, Mary</b> Professor, Economics, Finance and Marketing	<a href="mailto:mpashley@tntech.edu">mpashley@tntech.edu</a> (931) 372-3855	Pedagogical issues in finance • Component costs of capital • Divestitures • Bond covenant restrictions • Electronic payments in healthcare
<b>Payne, Thomas</b> Professor of Finance, Dean College of Business	<a href="mailto:tpayne@tntech.edu">tpayne@tntech.edu</a> (931) 372-3868	Monetary policy • Commercial bank management and performance • Tax policy • Financial modeling and valuation • Risk management • Mutual fund performance • Corporate governance
<b>Pech, Wesley</b> Chair, Professor	<a href="mailto:wpech@tntech.edu">wpech@tntech.edu</a> (931) 372-3745	Behavioral economics • Experimental economics • Game theory • Judgment and decision-making • Applied microeconomics • Critical thinking • Statistics
<b>Peng, Yi</b> Assistant Professor, Marketing	<a href="mailto:ypeng@tntech.edu">ypeng@tntech.edu</a> (931) 372-3882	Cross-cultural consumer behavior • Services marketing • Sales management



<b>Pharr, Julie</b> Professor of Marketing	<a href="mailto:jpharr@tntech.edu">jpharr@tntech.edu</a> (931) 372-3692	Marketing and consumer • Ethics • Sustainable consumption • Green marketing • Online advertising and promotion • Mobile marketing • Consumer behavior • Marketing strategy • Branding
<b>Wiant, Ken</b> Professor of Finance	<a href="mailto:kwiant@tntech.edu">kwiant@tntech.edu</a> (931) 372-3878	Corporate finance • Entrepreneurial/startup finance
J. E. OWEN CHAIR OF EXCELLENCE		
NAME	CONTACT INFORMATION	RESEARCH INTERESTS AND EXPERTISE
<b>Guimaraes, Tor</b> Chair and Professor of Decision Sciences	<a href="mailto:tguimaraes@tntech.edu">tguimaraes@tntech.edu</a> <a href="https://www.tntech.edu/cob/programs-and-centers/jeowen/">https://www.tntech.edu/cob/programs-and-centers/jeowen/</a> (931) 372-3385	Impact of IT for economic development • City E-government innovation • Management of technology • Managing big data analytics • Success factors for emerging IT in business innovation
W. E. MAYBERRY CHAIR OF EXCELLENCE		
NAME	CONTACT INFORMATION	RESEARCH INTERESTS AND EXPERTISE
<b>Natarajan, Ramachandran</b> W.E. Mayberry Professor of Management, Associate Dean	<a href="mailto:RNAT@tntech.edu">RNAT@tntech.edu</a> (931) 372-3001	Operations and supply chain management • Quality, productivity and innovation management • Performance excellence • Assurance of learning • AACSB accreditation

**COLLEGE OF EDUCATION**  
**FACULTY AREAS OF EXPERTISE BY DEPARTMENT**

COLLEGE OF EDUCATION ADMINISTRATION		
NAME	CONTACT INFORMATION	RESEARCH INTERESTS AND EXPERTISE
<b>Akenson, Ashley</b> Director, Graduate Programs	<a href="mailto:aaenson@tnitech.edu">aaenson@tnitech.edu</a> (931) 372-3095	Mindfulness • Program planning and evaluation in service organizations and outreach • Quantitative and qualitative research methods • Transformative learning
<b>Baker, Julie C.</b> Associate Dean	<a href="mailto:jcbaker@tnitech.edu">jcbaker@tnitech.edu</a> (931) 372-3177	Rural schools and communities including persistence of rural students • Autoethnography • Adolescent literacy
<b>Christen, Nikki</b> Assessment Coordinator	<a href="mailto:nchristen@tnitech.edu">nchristen@tnitech.edu</a> (931) 372-3558	Higher education assessment • Teacher education assessment • Data visualization
<b>Zagumny, Lisa L.</b> Dean	<a href="mailto:lzagumny@tnitech.edu">lzagumny@tnitech.edu</a> (931) 372-3124	Critical discourse analysis • History of teacher education • Posthumanism • School textbooks • Social construction of identity

DEPARTMENT OF COUNSELING and PSYCHOLOGY		
NAME	CONTACT INFORMATION	RESEARCH INTERESTS AND EXPERTISE
<b>Blaylock, Ellen</b> Instructor	<a href="mailto:ebalaylock@tnitech.edu">ebalaylock@tnitech.edu</a> (931) 372-3056	Cognitive empathy • Mindfulness • Counselor burnout • Secondary Traumatic Stress in counseling students
<b>Burgin, Chris</b> Associate Professor	<a href="mailto:cburgin@tnitech.edu">cburgin@tnitech.edu</a> (931) 372-3563	Situational determinants of intrinsically motivated behavior • Experience sampling methodology • Vicarious embarrassment • Major life-transitions • Values
<b>Cupp, Jann</b> Professor	<a href="mailto:jcupp@tnitech.edu">jcupp@tnitech.edu</a> (931) 372-3058	Coping • STEM • Esteem and development of narcissism in children
<b>Edwards, Derrick</b> Assistant Professor	<a href="mailto:dedwards@tnitech.edu">dedwards@tnitech.edu</a> (931) 372-3533	Emergency responder health • Burnout • Post-traumatic Stress Disorder • Acute stress reactions • Suicide • Clinical mental health counseling • Psychopharmacology
<b>Galvan, Angelica</b> Instructor	<a href="mailto:agalvan@tnitech.edu">agalvan@tnitech.edu</a>	Language issues in counseling • Multicultural counseling training • Minoritized college students with psychiatric disabilities • Disability identity development
<b>Henniger, Nicole</b> Assistant Professor	<a href="mailto:nhenniger@tnitech.edu">nhenniger@tnitech.edu</a> (931) 371-7039	Social emotions (envy, jealousy, shame, guilt) • Applications of social emotion research (in patient-physician interactions, behavioral health, organ donation)
<b>Hensley, James (Doug)</b> Senior Lecturer	<a href="mailto:jdhensley@tnitech.edu">jdhensley@tnitech.edu</a> (931) 372-3475	Attention Deficit and Hyperactivity Disorder • Home interventions for children with ADHD • Social skills intervention for middle school children • Crisis counseling and crisis assessment
<b>Hermann-Turner, Katherine</b> Associate Professor	<a href="mailto:khturner@tnitech.edu">khturner@tnitech.edu</a> (931) 372-3091	Qualitative research methods • Relational Cultural Theory • Mental health needs of marginalized populations • Working mother mental health and wellness • Gifted education
<b>Kazanas, Stephanie</b> Associate Professor, Chairperson	<a href="mailto:skazanas@tnitech.edu">skazanas@tnitech.edu</a> (931) 372-3560	Human memory • Cognition and emotion • Bilingualism • False memory and eyewitness testimony • Evolutionary psychology • Critical thinking
<b>Loftis, Mark</b> Associate Professor	<a href="mailto:mloftis@tnitech.edu">mloftis@tnitech.edu</a> (931) 372-3209	Suicide prevention and assessment risk • Professional and personal wellbeing • Assessment in counseling • Adverse childhood experiences • Addiction and relapse prevention

<b>Luke, Chad</b> Associate Professor	<a href="mailto:cluke@tntech.edu">cluke@tntech.edu</a> (931) 372-3217	Integration of neuroscience and counseling • Career counseling and development • Clinical supervision • Psychological factors affecting college student development and success
<b>Michael, Tony</b> Associate Professor	<a href="mailto:tmichael@tntech.edu">tmichael@tntech.edu</a> (931) 372-3057	Attachment/patterns of relating • Instrument development (Factor Analysis) • Counseling children and adolescents (Play Therapy)
<b>Terneus, Sandra</b> Professor	<a href="mailto:sterneus@tntech.edu">sterneus@tntech.edu</a> (931) 372-3098	Relationships • Group dynamics • Mental health • Crisis/Suicide
<b>Webber, Wesley</b> Instructor	<a href="mailto:wwebber@tntech.edu">wwebber@tntech.edu</a>	Neuroscience research methods (Electroencephalography/Event-related potentials) • Implicit biases and stereotyping • Multicultural counseling competence • Counselor training and development
<b>Wilcox, Zachary</b> Associate Professor	<a href="mailto:zwilcox@tntech.edu">zwilcox@tntech.edu</a> (931) 372-3424	Scientific literacy • Epistemic development • Peer leadership processes and experiences
<b>Wilkerson, Natasha</b> Instructor	<a href="mailto:nwilkerson@tntech.edu">nwilkerson@tntech.edu</a> (931) 372-3886	Psychological evaluation • Critical thinking • Developmental psychopathology • Behavioral modification
<b>Zagumny, Matthew</b> Professor	<a href="mailto:mzagumny@tntech.edu">mzagumny@tntech.edu</a> (931) 510-0618	Cross cultural psychology • Development of the QUEST assessment of intellectual curiosity and scientific epistemology • Cultural, gender, and racial influences on academic success • Cross-cultural impact on psychosocial, physical, and academic well-being

DEPARTMENT OF CURRICULUM AND INSTRUCTION		
NAME	CONTACT INFORMATION	RESEARCH INTERESTS AND EXPERTISE
<b>Akenson, James</b> Professor	<a href="mailto:jakenson@tntech.edu">jakenson@tntech.edu</a> (931) 372-3066	Elementary social studies curriculum • Country music and its use in the K-12 classroom • Issues in education
<b>Anthony, Holly P.</b> Professor	<a href="mailto:hantony@tntech.edu">hantony@tntech.edu</a> (931) 372-3854	Mathematics education • STEM education • Teacher preparation • Adult learning • Ongoing, sustainable professional development of teachers • Teaching and learning
<b>Baker, Jane</b> Professor	<a href="mailto:jbaker@tntech.edu">jbaker@tntech.edu</a> (931) 372-3079	Early literacy • Early numeracy writing instruction • Early childhood education • Early childhood special education • Family collaboration • STEM outreach • Inclusive practices
<b>Beach, Jason</b> JLRC Director Associate Professor	<a href="mailto:jbeach@tntech.edu">jbeach@tntech.edu</a> (931) 372-3069	Augmented reality • Virtual reality • Interactive whiteboards • Assistive technologies • Adult education • STEM • TPACK • Enhancing human performance • Computer Science education for K-12
<b>Bruckman, Marilyn</b> Associate Professor	<a href="mailto:mbruckman@tntech.edu">mbruckman@tntech.edu</a> (865) 539-7394	Early childhood education • Early childhood intervention and qualitative research methods • Low income families • Parent-teacher collaboration • Early child care selection
<b>Callender, Amy</b> Lecturer	<a href="mailto:amycallender@tntech.edu">amycallender@tntech.edu</a> (931) 372-3550	Educational and medical journey for families of children with disabilities • Functional skills instruction in the school setting and inclusion practices for students with moderate to severe disabilities • Education for individuals with disabilities in other countries • Transition and employment services for adults with disabilities

<b>Chitiyo, George</b> Professor	<a href="mailto:gchitiyo@tntech.edu">gchitiyo@tntech.edu</a> (931) 372-3676	Economics of higher education • Psychosocial aspects of HIV/AIDS in sub-Saharan Africa • Quantitative research and evaluation methods • PreK-12 evaluation
<b>Comer, Melissa</b> Professor	<a href="mailto:mcomer@tntech.edu">mcomer@tntech.edu</a> (865) 481-2000 ext. 2363	Literacy • Young adult literature • Writing • Linguistics • Education • Appalachian studies • Technology integration • New literacies
<b>Fidan, Perihan</b> Instructor	<a href="mailto:pfidan@tntech.edu">pfidan@tntech.edu</a> (931) 372-6307	Quantitative research methods • STEM education • Multicultural literature • Content area literacy • Creating and printing with 3D pens
<b>Gleasant, Cory</b> Assistant Professor	<a href="mailto:cgleasant@tntech.edu">cgleasant@tntech.edu</a> (931) 372-3557	Computer science education for K-12 and teacher preparation • Computational thinking • Programming microworlds • Mathematics education • K-12 educational technologies • STEM curriculum design
<b>Greathouse, Paula</b> Associate Professor	<a href="mailto:pgreathouse@tntech.edu">pgreathouse@tntech.edu</a> (931) 372-3541	Young adult literature • Preparing pre-service teachers for diverse adolescent students • Adolescent literacy • Reading/Literacy in virtual classrooms • Virtual secondary education
<b>Grimes, Ka</b> Lecturer	<a href="mailto:kgrimes@tntech.edu">kgrimes@tntech.edu</a> (931) 372-3100	Math cognition • Learning disabilities • Executive function • Autism • Family supports • Early childhood • Learning analytics • Intelligent tutoring systems • Learning sciences • Research/ Practitioner collaboration
<b>Howard, Martha</b> Associate Professor	<a href="mailto:mhoward@tntech.edu">mhoward@tntech.edu</a> (931) 372-6280	Assessment and evaluation
<b>Isbell, Janet</b> Professor	<a href="mailto:jisbell@tntech.edu">jisbell@tntech.edu</a> (931) 372-3824	Poverty • Literacy • Early school withdrawal • Equity and social justice • International students • Rural education and communities
<b>Jones, Angela</b> Lecturer	<a href="mailto:arjones@tntech.edu">arjones@tntech.edu</a> (423) 223-5385	Disaggregating data • Literacy instruction • Teacher evaluations
<b>Kennedy, Krystal</b> Lecturer	<a href="mailto:kkennedy@tntech.edu">kkennedy@tntech.edu</a> (931) 372-3105	Applied behavior analysis • Autism • Positive behavior supports • School bus interventions • Single-case design research methods
<b>Koester, Cale</b> Lecturer	<a href="mailto:ckoester@tntech.edu">ckoester@tntech.edu</a> (931) 372-6482	Computer Science education in K-12 • Digital media creation for constructivist learning • International comparisons of ed tech use
<b>Kolodziej, Nancy</b> Professor	<a href="mailto:nkolodziej@tntech.edu">nkolodziej@tntech.edu</a> (931) 372-6388	Early literacy • Teacher education in literacy instruction • Literacy assessment and intervention • Motivation and engagement in literacy
<b>Laffoon, Alicia</b> Lecturer	<a href="mailto:alaffoon@tntech.edu">alaffoon@tntech.edu</a> (865) 385-3000 ext. 4338	Preparing pre-service teachers to teach inquiry-based social studies • Visual literacy • Teaching with primary sources
<b>Larimore, David L.</b> Professor	<a href="mailto:dlarimore@tntech.edu">dlarimore@tntech.edu</a> (931) 372-3623	TVAAS and teacher effect • Treatment by ability interaction research • Quant design and data analysis consultation
<b>Marcum, Rebekah</b> Lecturer	<a href="mailto:rmarcum@tntech.edu">rmarcum@tntech.edu</a> (931) 372-3535	Influence of religious identity on teacher identities • Tolerance and diversity in early childhood education • Narrative inquiry • STEM and nature experiences for individuals with disabilities
<b>McMillan, Elizabeth</b> Lecturer	<a href="mailto:emcmillan@tntech.edu">emcmillan@tntech.edu</a> (423) 994-8287	Literacy-based curriculum • Departmentalized and self-contained K-5 classrooms • Administrative support and teacher retention
<b>Meadows, Jennifer</b> Assistant Professor	<a href="mailto:jmeadows@tntech.edu">jmeadows@tntech.edu</a> (931) 372-6269	Teaching and learning in higher education • Teacher evaluation (Observation for instructional improvement) • STEM education (Gender equity, Curriculum design, MakerSpaces, etc.)

<b>Moore, Kelly</b> Lecturer	<a href="mailto:kellymoore@tntech.edu">kellymoore@tntech.edu</a> (931) 372-3191	Environmental education • Time day and cognition/learning • Scientific research in 6-12 classroom
<b>Ogbomo, Queen</b> Associate Professor	<a href="mailto:gogbomo@tntech.edu">gogbomo@tntech.edu</a> (865) 539-7393	Science literacy education • Math and literacy connection • Multicultural education • Recruitment and retention of African American students
<b>Rector, Larissa</b> Instructor	<a href="mailto:lrector@tntech.edu">lrector@tntech.edu</a> (931) 372-3087	Early childhood literacy • Posthumanism in literacy • Classroom management strategies • Educational leadership
<b>Richards, Stephanie</b> Assistant Professor	<a href="mailto:srichards@tntech.edu">srichards@tntech.edu</a> (931) 393-1746	Bullying-developing empathy • Readers' theatre-increasing reading comprehension • Working with students of poverty
<b>Silber-Furman, Dorota</b> Lecturer	<a href="mailto:dsilber@tntech.edu">dsilber@tntech.edu</a> (931) 372-6570	ESOL education • International education and international students • Culturally relevant practice in K-12 settings • Multicultural education • Diversity • Critical pedagogy • Italian language
<b>Smith, Matthew R.</b> Professor	<a href="mailto:mrsmith@tntech.edu">mrsmith@tntech.edu</a> (931) 372-6235	School leadership • School and community partnerships • Career and technical education • Julius Rosenwald Schools • Character education
<b>Smith-Andrews, Sandi JW</b> Associate Professor	<a href="mailto:sjsmith@tntech.edu">sjsmith@tntech.edu</a> (931) 372-3207	Teaching and learning with technology • EdTech teacher preparation • Online/E-learning/Distance education • STEM and STEAM education • Service learning • Adult education • Shared governance
<b>Spears, Amber</b> Associate Professor	<a href="mailto:aspears@tntech.edu">aspears@tntech.edu</a> (931) 372-6265	Early childhood literacy • Family engagement • Community literacy
<b>Stepp, Julie</b> Associate Professor	<a href="mailto:jstepp@tntech.edu">jstepp@tntech.edu</a> (931) 372-3103	School libraries • Makerspaces • Young adult literature • Diversity
<b>Suters, Leslie</b> Associate Professor	<a href="mailto:lsuters@tntech.edu">lsuters@tntech.edu</a> (865) 481-2000 ext. 2320	Science education • 3-Dimensional learning
<b>Taylor, Leann</b> Lecturer	<a href="mailto:fltaylor@tntech.edu">fltaylor@tntech.edu</a> (931) 372-3783	Transformational leadership • School administration • Collaboration with diverse community stakeholders • Teacher education • Evidence-based practices of school leadership
<b>Trent, Kristen Pennycuff</b> Professor	<a href="mailto:ktrent@tntech.edu">ktrent@tntech.edu</a> (865) 694-6214	Emergent literacy • Scientific literacy • Professional development • Teacher self-efficacy
<b>Wehrmann, Sara</b> Lecturer	<a href="mailto:swehrmann@tntech.edu">swehrmann@tntech.edu</a> (931) 372-6567	Culturally responsive leadership • Multicultural education • Equity in education • Rural school leaders • Transformational leadership
<b>Welch, Callie</b> Instructor	<a href="mailto:cwelch@tntech.edu">cwelch@tntech.edu</a> (931) 372-3377	Inclusive teaching practices • Diverse learners • IEP planning and development • Special education legislation • Cultural literacy • Place-based education
<b>Wendt, Jeremy</b> Professor, Chairperson	<a href="mailto:jwendt@tntech.edu">jwendt@tntech.edu</a> (931) 372-3181	Educational technology • P-16 online learning and design • Virtual reality • Social media • STEM education
<b>Wendt, Stephanie</b> Associate Professor	<a href="mailto:swendt@tntech.edu">swendt@tntech.edu</a> (931) 372-3459	Elementary education • Science education • Scientific literacy and 3-Dimensional learning • Learning theory

**DEPARTMENT OF EXERCISE SCIENCE, PHYSICAL EDUCATION and WELLNESS**

<b>NAME</b>	<b>CONTACT INFORMATION</b>	<b>RESEARCH INTERESTS AND EXPERTISE</b>
<b>Elmore, Brittany</b> Lecturer	<a href="mailto:belmore@tntech.edu">belmore@tntech.edu</a> (931) 372-3765	Christianity and physical health behaviors
<b>Killman, Christy</b> Professor, Chairperson	<a href="mailto:ckillman@tntech.edu">ckillman@tntech.edu</a> (931) 372-3539	Positive effects of physical activity on academic progress (Improved Test Scores) • Freshman 15 and regular activity • Impact of education related to traumatic brain injury (concussions) on coaches and rate of injuries of players
<b>Korgaokar, Ajit</b> Associate Professor	<a href="mailto:akorgaokar@tntech.edu">akorgaokar@tntech.edu</a> (931) 372-3766	Caffeine supplementation (caffeinated chewing gum) and sprint performance in soccer players
<b>Mann, David</b> Assistant Professor	<a href="mailto:dmann@tntech.edu">dmann@tntech.edu</a> (931) 372-3735	Efficacy of online, concepts-based fitness and wellness courses • Youth sports coaching • College student wellness
<b>Phillips, Michael</b> Professor	<a href="mailto:mbphillips@tntech.edu">mbphillips@tntech.edu</a> (931) 372-3469	Christianity and physical health behaviors • High Intensity Exercise and Extreme Conditioning Program • Effects of exercise on cancer palliative care • Cancer wellness programming
<b>Potter, Darek</b> Assistant Professor	<a href="mailto:dpotter@tntech.edu">dpotter@tntech.edu</a> (931) 372-6573	Rural schools and communities • STEM education • Mathematics education • Engineering education
<b>Richards, Jessica</b> Associate Professor	<a href="mailto:jrichards@tntech.edu">jrichards@tntech.edu</a> (931) 372-6736	Christianity and sexual health and all dimensions of health • Maternal and child health, especially breastfeeding
<b>Severt, Bobbi</b> Lecturer	<a href="mailto:bsevert@tntech.edu">bsevert@tntech.edu</a> (931) 372-3468	Athletic training education • Concussions in sport and return to learn and play • Impact of physical activity on academic and overall health outcomes
<b>Smith, Scott</b> Associate Professor	<a href="mailto:scottsmith@tntech.edu">scottsmith@tntech.edu</a> (931) 372-3736	Interscholastic sport • Preparation and development of interscholastic athletic administrators • Online teaching and learning • Sport finance • Sport facilities
<b>Smith, Steve</b> Senior Lecturer	<a href="mailto:jssmith@tntech.edu">jssmith@tntech.edu</a> (931) 372-6396	Sport performance • Concentrating on assignment not score • Fans real interest when attending sporting events • How has technology played a role
<b>Turnbow, Christina</b> Lecturer	<a href="mailto:cturnbow@tntech.edu">cturnbow@tntech.edu</a> (931) 372-6462	Correlation between physical education and cognitive learning • The importance of incorporating creative movement in physical education • Is Cross Fit Kids beneficial or harmful?
<b>Westrick, Bradley</b> Instructor	<a href="mailto:bwestrick@tntech.edu">bwestrick@tntech.edu</a> (931) 372-3735	Swimming • Water safety

**COLLEGE OF EDUCATION STUDENT SUCCESS CENTER**

<b>NAME</b>	<b>CONTACT INFORMATION</b>	<b>RESEARCH INTERESTS AND EXPERTISE</b>
<b>Ablakwa, Chantelle</b> Advisor	<a href="mailto:cablakwa@tntech.edu">cablakwa@tntech.edu</a> (931) 372-6385	Academic advising
<b>Craig, Chuck</b> Advisor	<a href="mailto:ccraig@tntech.edu">ccraig@tntech.edu</a> (931) 372-3078	Academic advising
<b>Lewis, Meredith</b> Advisor	<a href="mailto:mlewis@tntech.edu">mlewis@tntech.edu</a> (931) 372-6471	Academic advising • Ceramic arts
<b>Mannle, Patrick</b> Advisor	<a href="mailto:pmannle@tntech.edu">pmannle@tntech.edu</a> (931) 372-6448	Group advising for licensure “cohorts” • App design • Student motivation
<b>Moles, Rick</b> Advisor	<a href="mailto:rmoles@tntech.edu">rmoles@tntech.edu</a> (931) 372-3532	Improving contact with alumni
<b>Matt Richards</b> Advisor	<a href="mailto:mrichards@tntech.edu">mrichards@tntech.edu</a> (931) 372-3549	Exercise and sports performance

**OAKLEY STEM CENTER**

<b>NAME</b>	<b>CONTACT INFORMATION</b>	<b>RESEARCH INTERESTS AND EXPERTISE</b>
<b>Galindo, Carlos</b> Coordinator	<a href="mailto:cgalindo@tntech.edu">cgalindo@tntech.edu</a> (931) 372-6599	Multicultural marketing implementation in the U.S. • Advertising strategies targeting the Latino communities in the U.S. • Public relations “effects”

**COLLEGE OF ENGINEERING**  
**FACULTY AREAS OF EXPERTISE BY DEPARTMENT**  
**Academic Year 2021-2022**

DEPARTMENT OF CHEMICAL ENGINEERING		
NAME	CONTACT INFORMATION	RESEARCH INTERESTS AND EXPERTISE
<b>Arce, Pedro</b> Professor	<a href="mailto:parce@tntech.edu">parce@tntech.edu</a> (931) 372-3267	Nanostructured materials- <i>With Functional Performance</i> (Health Care Engineering Applications: Hydrogels for clinical diagnostics, wound healing, math-assisted medicine, tissue scaffolds and assisted drug delivery) • Micro- and Nano-flows in Biophysical Systems (Microcirculatory and renal system pathologies, arterial stenosis, kidney failure, etc.) • Environmental catalysis (Advanced oxidation in water, soil and air; photocatalytic clean energy production, electrokinetics-based remediation; battery and fuel cell materials) • Engineering education: (collaborative-, creative- and innovation-driven learning; constructionistic approaches)
<b>Arias Chavez, Laura H.</b> Assistant Professor	<a href="mailto:lchavez@tntech.edu">lchavez@tntech.edu</a> (931) 372-3678	Improving sustainability at the water - energy nexus, especially through the use of membrane technologies. • Fabrication and characterization of polymeric membranes for reverse osmosis, forward osmosis, and filtration processes. • New fabrication strategies for improving membrane fouling resistance and selectivity. • Development and evaluation of applications in desalination and the recovery of materials and energy from 'waste' water and other non-traditional resources. • Experimental (wet chemistry) work and process-level modelling.
<b>Biernacki, Joseph J.</b> Professor	<a href="mailto:jbiernacki@tntech.edu">jbiernacki@tntech.edu</a> (931) 372 3667	Modeling of multi-scale materials systems composite concrete systems
<b>Ghorashi, Bahman</b> Professor	<a href="mailto:bghorashi@tntech.edu">bghorashi@tntech.edu</a> (931)372-6921	Agile Manufacturing • Rheology and non-Newtonian fluid flow • Blockchain Technology and its applications in chemical industry • M2M communication and logistics • Leadership in Higher Education
<b>Rice, Cynthia A.</b> Associate Professor	<a href="mailto:crice@tntech.edu">crice@tntech.edu</a> (931) 372-6059	Electrocatalysis • Electrochemistry • Membrane electrode assembly design • Fuel cell material diagnostics – performance, durability, kinetics, and mass transport • Fuel cell automotive – cold-starts using a prototype quasi-adiabatic fuel cell fixture and cathode catalyst layer durability • Direct formic acid fuel cells for portable power – anode catalyst layer design and efficient CO <sub>2</sub> byproduct removal
<b>Sanders, Robby</b> Associate Professor	<a href="mailto:rsanders@tntech.edu">rsanders@tntech.edu</a> (931) 372-3494	Innovation-driven learning with a focus on student learning at the interface of disciplines (i.e., engineering-nursing, engineering-business, etc.) • Clinical diagnostics and new therapeutics for diseases of the lungs • Development, utilization, and characterization of soft gel materials • Wound healing



<b>Stretz, Holly</b> Interim Chair and Professor	<a href="mailto:hstretz@tntech.edu">hstretz@tntech.edu</a> (931)372-3495	Nanocomposite water treatment membranes • Research program in interfaces in 3-D printing • High-throughput on demand manufacturing of pharmaceuticals • Nanomaterials as sensors • Expertise in polymer nanocomposites • Polymer dynamics at 4K • Nanoparticle fluorescent sensing
<b>Zhang, Liqun (Laura)</b> Assistant Professor	<a href="mailto:lzhang@tntech.edu">lzhang@tntech.edu</a> (931) 372-3604	Molecular simulation on biomass modified asphalt, warm mix asphalt • Simulations and modeling on structure and dynamics of human beta defensin type 3 • Interaction with lipid membranes and receptors
<b>DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING</b>		
NAME	CONTACT INFORMATION	RESEARCH INTERESTS AND EXPERTISE
<b>Avera, Julie B.</b> Lecturer	<a href="mailto:javera@tntech.edu">javera@tntech.edu</a> (931) 372-3490	Water resources management • Waste water treatment plant operations • Fate and transport of pollutants in the environment • Water quality of impoundments • Non-point source pollution
<b>Badoe, Daniel A.</b> Professor	<a href="mailto:dbadoe@tntech.edu">dbadoe@tntech.edu</a> (931) 372-3490	Urban travel demand modeling • Transportation data collection • Travel behavior analysis • Traffic monitoring programs
<b>Click, Steven</b> Associate Professor	<a href="mailto:sclick@tntech.edu">sclick@tntech.edu</a> (931) 372-6464	Traffic signal design, timing, operations, and analysis • Traffic signal system design, timing, operations, and analysis • Non-traditional intersection design, operations, and analysis • Non-traditional interchange design, operations, and analysis • Highway traffic simulation modeling
<b>Crouch, L. K.</b> Professor	<a href="mailto:lcrouch@tntech.edu">lcrouch@tntech.edu</a> (931) 372-3196	Construction materials • Aggregates • Portland cement concrete • flowable fill • Bituminous materials.
<b>Datta, Tania</b> Associate Professor	<a href="mailto:tdatta@tntech.edu">tdatta@tntech.edu</a> (931) 372-3446	Biological Wastewater Treatment Process and Design • Applied Environmental Microbiology • Water Quality/Watershed Management • Bioenergy Production through Anaerobic Processes • Low-Cost Technologies for Water and Sanitation in Developing Countries.
<b>Henderson, Craig</b> Professor	<a href="mailto:chenderson@tntech.edu">chenderson@tntech.edu</a> (931)372-3062	Masonry, concrete and steel testing and design • Structural dynamics and earthquake engineering • Computational structural modeling
<b>Huff, Tim</b> Assistant Professor	<a href="mailto:thuff@tntech.edu">thuff@tntech.edu</a> (931) 372-3605	Earthquake engineering • Seismic design of structures • Ground motion selection and modification for structural analysis • Nonlinear analysis of structures in practice • Seismic isolation • Bridge design
<b>Huo, Sharon</b> Associate Provost and Professor	<a href="mailto:xhuo@tntech.edu">xhuo@tntech.edu</a> (931) 372-3463	Structural analysis • Reinforced concrete design • Prestressed concrete design • Structural steel design • Bridge design
<b>Kalyanapu, Alfred</b> Associate Professor	<a href="mailto:akalyanapu@tntech.edu">akalyanapu@tntech.edu</a> (931) 337-3561	Regional scale flood modeling simulation • GIS applications in Civil and Environmental Engineering • Hydrologic monitoring and analysis • Low-cost technologies for watershed hydrology • Integrated watershed management • Computational hydraulics and hydrology • Climate impacts

<b>Liu, Jane</b> Professor	<a href="mailto:jliu@tntech.edu">jliu@tntech.edu</a> (931) 372-3256	Solid mechanics • Computational mechanics • Composite materials • Plates and shells • Vibration analysis • Computational algebraic geometry • Symbolic computer system in engineering applications
<b>Mohr, Benjamin</b> Chair and Associate Professor	<a href="mailto:bmohr@tntech.edu">bmohr@tntech.edu</a> (931) 372-3454	Durability, microstructure, and chemistry of cement-based materials • Early-age behavior of cement and concrete • Fiber-reinforced concrete • Supplementary cementitious materials
<b>Otuonye, Francis</b> Associate VP of Research and Professor	<a href="mailto:fotuonye@tntech.edu">fotuonye@tntech.edu</a> (931) 372-3374	Geotechnical engineering • Mining engineering • Health and safety impacts
<b>Ramirez, Guillermo</b> Associate Professor	<a href="mailto:gramirez@tntech.edu">gramirez@tntech.edu</a> (931) 372-3261	Theoretical and computational mechanics • Mathematical formulation and corresponding computer implementation to describe the electro-mechanical behavior of solids under different types of environments
<b>VandenBerge, Daniel</b> Assistant Professor	<a href="mailto:dvandenberge@tntech.edu">dvandenberge@tntech.edu</a> (931) 372-3257	Rapid drawdown analysis • Behavior of compacted clays • Fully softened shear strength • Levee seepage • Dam failures • Geotechnical reliability analyses • Sustainable earth structures • Foamed glass aggregate • Distributed fiber optic sensing • Engineering education
<b>Weathers, Lenly</b> Associate Professor	<a href="mailto:lweathers@tntech.edu">lweathers@tntech.edu</a> (931) 372-3539	Transport of pollutants in the environment • Transformation of chlorinated compounds • Oxidized metals and other pollutants in anaerobic environments in the presence of metallic iron
<b>COMPUTER SCIENCE</b>		
<b>NAME</b>	<b>CONTACT INFORMATION</b>	<b>RESEARCH INTERESTS AND EXPERTISE</b>
<b>Brown, Eric</b> Adjunct Professor and Assistant Director of Cybersecurity Education, Research and Outreach Center	<a href="mailto:elbrown@tntech.edu">elbrown@tntech.edu</a> (931)-372-3602	Agile / Scrum Project Management • Computer Science / Cybersecurity Education • Cybersecurity risk assessment • Information Technology
<b>Crockett, April</b> Lecturer	<a href="mailto:ACrockett@tntech.edu">ACrockett@tntech.edu</a> (931)-372-6435	Computer Science Education • Human-Computer Interaction • Diversity & Inclusion in Computer Science
<b>Eberle, William (Bill)</b> Professor	<a href="mailto:weberle@tntech.edu">weberle@tntech.edu</a> (931) 372-3278	Data Mining • Graph-based Anomaly Detection • Fraud Detection
<b>Elizandro, David</b> Professor	<a href="mailto:delizandro@tntech.edu">delizandro@tntech.edu</a> (931) 372-3386	Institutional leadership • Strategic planning • Systems integration and effectiveness
<b>Gannod, Gerald</b> Chair and Professor	<a href="mailto:jgannod@tntech.edu">jgannod@tntech.edu</a> (931) 372-3691	Software reverse engineering • Web and mobile development (specifically web services in enterprise computing) • Predictive analytics • Visualization • Agile approaches for computing education

<b>Ghafoor, Sheikh</b> Professor	<a href="mailto:sghafoor@tntech.edu">sghafoor@tntech.edu</a> (931) 372-3687	Programming models and tools for Heterogeneous High Performance Computing • High Performance Messaging Passing for Exa-Scale Systems • Elastic Parallel Systems • Computational Earth Science • Cyber Physical System and HPS Security • Computer Science Education
<b>Gupta, Manaak</b> Assistant Professor	<a href="mailto:mgupta@tntech.edu">mgupta@tntech.edu</a> (931)-372-3525	Foundational Cyber and Computer Security • Access Control Models and Architectures • Secure Cyber Physical Systems and Internet of Things • Intelligent Transportation, Connected Cars and Smart Farming • AI and Machine Learning assisted Security • Deep Learning based Malware Analysis • Cloud and Big Data Security
<b>Ismail, Muhammad</b> Assistant Professor	<a href="mailto:mismail@tntech.edu">mismail@tntech.edu</a> (931)-372-6287	Cyber-physical security • Networking • Smart grids • Blockchain • Resource allocation • Machine learning • Optimization • Stochastic modeling
<b>Rahman, Akond</b> Assistant Professor	<a href="mailto:arahman@tntech.edu">arahman@tntech.edu</a>	DevOps • Secure Software Development
<b>Rogers, Michael</b> Professor	<a href="mailto:mrogers@tntech.edu">mrogers@tntech.edu</a> (931)-372-6304	Control Systems Security • Systems Software Security • Distributed and High Performance Computing • Network Protocols
<b>Scott, Stephen</b> Professor	<a href="mailto:sscott@tntech.edu">sscott@tntech.edu</a> (931) 372-6484	Cloud, cluster, and grid computing • Resilient high performance distributed, heterogeneous, and parallel computing
<b>Shannigrahi, Susmit</b> Assistant Professor	<a href="mailto:sshannigrahi@tntech.edu">sshannigrahi@tntech.edu</a>	Computer Networks, Future Internet Architectures • Networking IoT Devices • Future Mobile Communications
<b>Siraj, Ambareen</b> Professor and Director of Cybersecurity Education, Research and Outreach Center	<a href="mailto:asiraj@tntech.edu">asiraj@tntech.edu</a> (931) 372-3448	Cyber-Physical Systems Security • Network intrusion detection • Situational awareness in security • Security education • Security workforce development
<b>Talbert, Doug</b> Assistant Chair and Associate Professor	<a href="mailto:dtalbert@tntech.edu">dtalbert@tntech.edu</a> (931) 372-6178	Machine learning • Explainability and Trust in Artificial intelligence • Clinical informatics
<b>Ulybyshev, Denis</b> Assistant Professor	<a href="mailto:dulybyshev@tntech.edu">dulybyshev@tntech.edu</a> (931)-372-6127	Data Privacy • Database / Cloud / OS / Web Security • Language-based Security • Information Retrieval (Search Engines, Search Engine Optimization) • Cyber-Physical / Industrial Control Systems • Blockchain-based Technologies • Machine Learning (Recommendation Systems, Anomaly Detection) • Cryptography • Vehicle-to-Everything Communication Systems
<b>ELECTRICAL AND COMPUTER ENGINEERING</b>		
<b>NAME</b>	<b>CONTACT INFORMATION</b>	<b>RESEARCH INTERESTS AND EXPERTISE</b>
<b>Alouani, Ali T.</b> Professor	<a href="mailto:aalouani@tntech.edu">aalouani@tntech.edu</a> (931) 372-3383	Autonomous Robot Design & Control • Artificial Intelligence • Applied deep Learning • Sensor Data Fusion • Mechatronics Systems • Smart Grid • Home Health Monitoring

<b>Austen, Jeffrey R.</b> Associate Professor	<a href="mailto:jausten@tntech.edu">jausten@tntech.edu</a> (931) 372-3485	Signal processing • Communication systems
<b>Baswell, Mike</b> Lecturer	<a href="mailto:mbaswell@tntech.edu">mbaswell@tntech.edu</a> (931)-372-6156	Programmable Logic Controller • Control Systems • Battery Voltage Regulation
<b>Bhattacharya, Indranil</b> Associate Professor	<a href="mailto:ibhattacharya@tntech.edu">ibhattacharya@tntech.edu</a> (931) 372-3352	High-Efficiency Solar Cells • High-Energy-Density Sodium and Lithium-ion Batteries • Wireless Power Transfer • Semiconductor Electronics • Photonics and Optics • Electromagnetics
<b>Bruce, J.W.</b> Associate Professor	<a href="mailto:jwbruce@tntech.edu">jwbruce@tntech.edu</a> (931)372-3453	Data converter architectures • Embedded and cyber-physical systems design • Quantum computing logic systems • Integration of unmanned aerial vehicles in the national airspace • Engineering education
<b>Bruce, Lori</b> Professor, Provost, and VP of Academic Affairs	<a href="mailto:lbruce@tntech.edu">lbruce@tntech.edu</a> (931) 372-3224	Remote sensing • Hyperspectral Imaging • Precision Agriculture • Image Analysis • Artificial Intelligence • Machine Learning • Pattern Recognition • Feature Extraction • Data Fusion • Data Analytics
<b>Dean, Tim</b> Adjunct Professor	<a href="mailto:TDean@tntech.edu">TDean@tntech.edu</a>	Electromagnetics • Industrial Automation (PLCs, Machine Vision, and Robotics)
<b>Elfouly, Tarek</b> Associate Professor	<a href="mailto:telfouly@tntech.edu">telfouly@tntech.edu</a> (931)-372-3847	Wireless Networks • Wireless sensor networks • Structure health monitoring • Machine learning and its applications • Ehealth and mHealth • Assistive technologies
<b>Fouda, Mostafa</b> Post-Doctoral Research Associate	<a href="mailto:mfouda@tntech.edu">mfouda@tntech.edu</a> (931)-372-3450	Cyber Security • Wireless Networks • Deep Learning, Blockchain • IoT • Smart Grid
<b>Hasan, Syed</b> Associate Professor	<a href="mailto:shasan@tntech.edu">shasan@tntech.edu</a> (931) 372-3462	Artificial Intelligence for Edge Computing • Edge Intelligence • Security Threats in Deep Learning Architectures • Internet of Things' • Vulnerabilities against Hardware Based Attacks • Machine Learning Algorithms on Hardware
<b>Johnson, Wayne</b> Research	<a href="mailto:wjohnson@tntech.edu">wjohnson@tntech.edu</a> (931)-372-3460	Electronics Manufacturing • Extreme Environment Electronics
<b>MacKenzie, Allen</b> Chair and Professor	<a href="mailto:amackenzie@tntech.edu">amackenzie@tntech.edu</a> (931) 372-3397	Wireless Communications and Networking • Dynamic Spectrum Access Systems and Spectrum Policy • Cognitive Radio and Cognitive Networks • Applications of Game Theory and Auction Theory • Error Control Coding
<b>Mahajan, Satish</b> Professor and Director of Center for Energy Systems Research	<a href="mailto:smahajan@tntech.edu">smahajan@tntech.edu</a> (931) 372-3875	Optoelectronics (Lasers; Solar Cells; Optical Fibers) • Electromagnetics • Wireless Charging of EVs • Sensors • Renewable Energy
<b>Mahmoud, Mohamed</b> Associate Professor	<a href="mailto:mmahmoud@tntech.edu">mmahmoud@tntech.edu</a> (931) 372-3677	Security & Privacy in Smart Grid, Vehicular Ad Hoc Network (VANET), and Cloud Applications. • Secure/privacy-preserving Machine learning Models, Blockchain, Cryptography and machine learning.

<b>Ojo, Joseph O.</b> Professor	<a href="mailto:jojo@tntech.edu">jojo@tntech.edu</a> (931) 372-3869	Electric machine analysis and design • Adjustable • Speed motor drives • Power electronic convertors • Control theory applied to power electronics and power systems, power systems economics and deregulation issues
<b>Radman, Ghadir</b> Professor	<a href="mailto:gradman@tntech.edu">gradman@tntech.edu</a> (931) 372-3520	Smart grid • Integration of renewable energy sources • Power system operation/control
<b>Van Neste, Charles</b> Assistant Professor	<a href="mailto:cvanneste@tntech.edu">cvanneste@tntech.edu</a> (931) 372-3682	Alternative forms of energy generation and transmission with a major focus in wireless and quasi-wireless power transfer • High frequency inverter design • Electronic instrumentation • Electromagnetic interactions
GENERAL AND BASIC ENGINEERING		
NAME	CONTACT INFORMATION	RESEARCH INTERESTS AND EXPERTISE
<b>Craven, Kristine</b> Associate Professor	<a href="mailto:kcraven@tntech.edu">kcraven@tntech.edu</a> (931)372-6027	Teaching and Learning Strategies • Student Success and Retention • First Year Engineering Programs
<b>Tester, John</b> Associate Professor	<a href="mailto:jtester@tntech.edu">jtester@tntech.edu</a> (931)-372-6796	Engineering Education • Engineering Management • Additive Manufacturing • Design for Manufacturing • Systems Engineering • Human Biomechanics • Engineering Systems Test and Evaluation
<b>Wells, S. Michael</b> Assistant Professor	<a href="mailto:mwells@tntech.edu">mwells@tntech.edu</a> (931) 372-3829	Industrial Engineering Human Factors • Global Engineering Communication • Safety
<b>Wilson, Christopher</b> Chair and Associate Professor of Mechanical Engineering	<a href="mailto:chriswilson@tntech.edu">chriswilson@tntech.edu</a> (931) 372-3216	Composite materials testing • Materials properties • Simulation
MANUFACTURING AND ENGINEERING TECHNOLOGY		
NAME	CONTACT INFORMATION	RESEARCH INTERESTS AND EXPERTISE
<b>Fidan, Ismail</b> Professor	<a href="mailto:ifidan@tntech.edu">ifidan@tntech.edu</a> (931) 372-6298	Additive Manufacturing • Smart Manufacturing • Electronics Manufacturing • STEM Education and Distance Learning/Remote Laboratories
<b>Flatt, Larry</b> Adjunct Professor	<a href="mailto:lflatt@tntech.edu">lflatt@tntech.edu</a>	Fluid Power • Robotics
<b>Kim, Duckbong</b> Assistant Professor	<a href="mailto:dkim@tntech.edu">dkim@tntech.edu</a> (931) 372-3327	Advanced manufacturing • Wire + arc additive manufacturing (WAAM) • Metal big area additive manufacturing (mBAAM) • Data analytics • Machine Vision • High temperature alloys • High entropy alloys (HEAs) • Refractory alloys
<b>Vondra, Fred L.</b> Chair	<a href="mailto:fvondra@tntech.edu">fvondra@tntech.edu</a> (931) 372-3527	Metal casting processes • Foundry tooling materials • Industrial maintenance • Metal Material Properties
MECHANICAL ENGINEERING		
NAME	CONTACT INFORMATION	RESEARCH INTERESTS AND EXPERTISE

<b>Abounassif, Ahmed</b> Adjunct Professor	<a href="mailto:aabounassif@tntech.edu">aabounassif@tntech.edu</a> (931)-372-6028	Computational Fluid Dynamics • Eulerian Multiphase Flow Simulations • Thermodynamics • Fluids Mechanics and Heat Transfer
<b>Albakri, Mohammad</b> Assistant Professor	<a href="mailto:malbakri@tntech.edu">malbakri@tntech.edu</a> (931)-372-3737	Computational Mechanics • Structural Dynamics • Meta-Structures • Structural Health Monitoring • Advanced Manufacturing • Experimental Modal Testing
<b>Anton, Steve</b> Associate Professor	<a href="mailto:santon@tntech.edu">santon@tntech.edu</a> (931) 372-3287	Smart materials • Piezoelectric sensing • Structural health monitoring • Biomedical sensing • Energy harvesting • 3D printing • Robotics-based STEM education
<b>Brookshear, Daniel</b> Instructor	<a href="mailto:wbrookshear@tntech.edu">wbrookshear@tntech.edu</a> (931)-372-3272	Thermodynamics • Fluid Mechanics • Heat transfer • Automotive Catalysis for Gasoline and Diesel Vehicles
<b>Canfield, Stephen</b> Professor	<a href="mailto:scanfield@tntech.edu">scanfield@tntech.edu</a> (931) 372-6359	Mobile Robots for Inspection • Maintenance and Manufacturing of Mobile Manipulators • Cobot (Collaborative robot) design and applications • Climbing robots • Mechatronics applications in robotics and manufacturing • Robotics for manufacturing • Design of Autonomous and semi-autonomous systems • Vehicle system mobility.
<b>Chen, Pinggen</b> Assistant Professor	<a href="mailto:pchen@tntech.edu">pchen@tntech.edu</a> (931) 372-3310	Modeling • Diagnostics • Controls • Optimizations of automotive systems- conventional/hybrid/electric powertrains, internal combustion engines, and advanced combustion with alternative/renewable fuels
<b>Cui, Jie</b> Assistant Chair and Professor	<a href="mailto:jiecui@tntech.edu">jiecui@tntech.edu</a> (931)-372-3357	Computational Fluid Dynamics • Turbulence Modeling • Large Eddy Simulation • Numerical Heat Transfer • Thermal Fluids
<b>Hill, Tristan</b> Lecturer	<a href="mailto:thill@tntech.edu">thill@tntech.edu</a> (931)-372-3774	Robotics • Programming • Numerical Modeling Analysis • Mechatronics • Dynamics of Machinery
<b>Idem, Stephen</b> Professor	<a href="mailto:sidem@tntech.edu">sidem@tntech.edu</a> (931) 372-3607	Scale model testing • Fluid flow measurement • Thermal modeling • Fluid mechanics • Heat transfer
<b>Languri, Ethan</b> Assistant Professor	<a href="mailto:elanguri@tntech.edu">elanguri@tntech.edu</a> (931) 372-6790	Industrial Energy Efficiency • Combined Heat and Power • Heat Transfer • Numerical Modeling • Energy Storage Systems • Steam Systems • Compressed Air Systems • Flow in Porous Media • Heat Transfer Fluid Enhancement (Nano and Micro Fluids)
<b>Pardue, Sally</b> Associate Professor	<a href="mailto:spardue@tntech.edu">spardue@tntech.edu</a> (931) 372-6169	• Signal processing for system diagnostics and materials characterization • Random vibrations • Modal analysis • Cavitation modeling
<b>Rao, Mohan</b> Chair and Professor	<a href="mailto:mrao@tntech.edu">mrao@tntech.edu</a> (931) 372-3254	Vibrations • Acoustics • Noise control • Damping design • Sound quality • Auditory engineering
<b>Roberts, Rory</b> Associate Professor	<a href="mailto:rroberts@tntech.edu">rroberts@tntech.edu</a> (931) 372-3260	Air breathing propulsion • Aircraft Thermal management • Power systems for aerospace and spaced-based systems • Fuel cells • Electric Propulsion • Hypersonic power and thermal management • Dynamic modeling of multidisciplinary systems • Design and optimization of dynamic systems and control

<b>Sargolzaei, Arman</b> Associate Professor	<a href="mailto:asargolzaei@tntech.edu">asargolzaei@tntech.edu</a> (931) 372-6403	Linear and Nonlinear Control Theory • Security of Networked Control Systems • Safety and Security of Connected and Autonomous Vehicles • Control of Multi-Agent Systems • Cyber-Physical Systems
<b>Slater, Joseph</b> Dean and Professor of Mechanical Engineering	<a href="mailto:jslater@tntech.edu">jslater@tntech.edu</a> (931)-372-3832	Vibration of structures and machines • Aeroelasticity • Linear and Nonlinear System identification • Experimental Modal Analysis • Nonlinear Dynamics • Cyber Physical Systems • Morphing Wing Control • Turbomachinery Blade Vibration
<b>Ting, Kwun-Lon</b> Professor	<a href="mailto:kting@tntech.edu">kting@tntech.edu</a> (931) 372-3230	Mechanism design • Kinematics • Machine design • Gearing • Robotics • Dynamics of machines
<b>Vaselbehagh, Ahmad</b> Assistant Professor	<a href="mailto:avaselbehagh@tntech.edu">avaselbehagh@tntech.edu</a> (931) 372-6468	Wind Power • Water Power • Aerodynamics • Fluid-Structure Interactions • Turbulence • Heat Transfer • Computational Fluid Dynamics
<b>Wilson, Christopher</b> Associate Professor and Chair of General and Basic Engineering	<a href="mailto:chriswilson@tntech.edu">chriswilson@tntech.edu</a> (931) 372-3216	Composite materials testing • Materials properties • Simulation
<b>Zhang, Ying</b> Professor and Director of Center for Manufacturing Research	<a href="mailto:yzhang@tntech.edu">yzhang@tntech.edu</a> (931) 372-3969	High-temperature protective coatings for gas turbine engine applications • Materials synthesis via chemical vapor deposition/pack cementation/electrodeposition • High-temperature oxidation and corrosion
<b>Zhu, Jiahong (John)</b> Professor	<a href="mailto:jzhu@tntech.edu">jzhu@tntech.edu</a> (931) 372-3186	Solid oxide fuel cell • Zn-air batteries • High-temperature alloys • Processing of ceramic • Intermetallic and metallic coatings
<b>CENTER FOR ENERGY SYSTEMS RESEARCH</b>		
<b>NAME      CONTACT INFORMATION      RESEARCH INTERESTS AND EXPERTISE</b>		
<b>Noei, Shirin</b> Research Assistant Professor	<a href="mailto:snoei@tntech.edu">snoei@tntech.edu</a> (931) 372-6546	Connected Autonomous Vehicles • Intelligent Transportation Systems • Networked Control Systems • Cyber-Physical Systems • Traffic Operation

Tennessee Tech does not condone and will not tolerate discrimination against any individual on the basis of race, religion, color, creed, sex, age, national origin, genetic information, disability, veteran status, and any other basis protected by federal and state civil rights law. Tennessee Tech complies with Title IX and prohibits discrimination on the basis of sex in education programs and activities, admissions or employment. For inquiries regarding non-discrimination policies, contact [equity@tntech.edu](mailto:equity@tntech.edu); for Title IX, [TitleIX@tntech.edu](mailto:TitleIX@tntech.edu) The TTU policy on nondiscrimination can be found at [www.tntech.edu/ideaa](http://www.tntech.edu/ideaa).

**COLLEGE OF FINE ARTS**  
**FACULTY AREAS OF EXPERTISE BY DEPARTMENT**

SCHOOL OF ART, CRAFT AND DESIGN		
NAME	CONTACT INFORMATION	RESEARCH INTERESTS AND EXPERTISE
<b>Winkle, Kimberly</b> Director	<a href="mailto:kwinkle@tntech.edu">kwinkle@tntech.edu</a> (931) 372-6301	Furniture and objects made from wood and paint • Balance of form, color and surface pattern
<b>Blair, Jeremy</b> Assistant Professor	<a href="mailto:jmblair@tntech.edu">jmblair@tntech.edu</a> (931) 372-6358	Contemporary teaching methods in art • Innovative curriculum design • Creative technology applications
<b>Brock, Curtiss</b> Professor	<a href="mailto:cbrock@tntech.edu">cbrock@tntech.edu</a> (931) 372-6878	Glass art
<b>Butler, Kelly</b> Assistant Professor	<a href="mailto:kbutler@tntech.edu">kbutler@tntech.edu</a>	Art
<b>Crescuillo, Jennifer</b> Adjunct	<a href="mailto:jcrescuillo@tntech.edu">jcrescuillo@tntech.edu</a>	Art
<b>Dotson, Kevin</b> Adjunct	<a href="mailto:kdotson@tntech.edu">kdotson@tntech.edu</a>	Metals
<b>Evelyn, Annie</b> Assistant Professor	<a href="mailto:aevelyn@tntech.edu">aevelyn@tntech.edu</a> (931) 372-6875	Wood • Furniture • Art
<b>Field, Joshua</b> Assistant Professor	<a href="mailto:jfield@tntech.edu">jfield@tntech.edu</a> (931) 372-3762	Sculpture • Painting • Art
<b>Gallop, David</b> Assistant Professor	<a href="mailto:dgallop@tntech.edu">dgallop@tntech.edu</a> (931) 372-6203	Graphic design • Print and multimedia • Virtual reality in design education
<b>Johnson, Perry</b> Assistant Professor	<a href="mailto:pjohnson@tntech.edu">pjohnson@tntech.edu</a> (931) 372-3068	Painting and printmaking • Web development • Programming
<b>Lewis, Meredith</b> Advisor	<a href="mailto:mlewis@tntech.edu">mlewis@tntech.edu</a> (931) 372-6036	Ceramic arts • Surrealism • Magolda's theory of self- authorship
<b>Mabry, Ian</b> Adjunct	<a href="mailto:imabry@tntech.edu">imabry@tntech.edu</a>	Ceramics
<b>McKinsey, Sally Ann</b> Adjunct	<a href="mailto:smckinsey@tntech.edu">smckinsey@tntech.edu</a>	Art
<b>Micheletto-Blovin, Stephan</b> Adjunct	<a href="mailto:smicheletto@tntech.edu">smicheletto@tntech.edu</a>	Wood
<b>Randall, Daniel</b> Assistant Professor	<a href="mailto:drandall@tntech.edu">drandall@tntech.edu</a> (931) 372-6880	Metalworking • Goldsmithing • Silversmithing • Blacksmithing
<b>Sisk, Drew</b> Assistant Professor	<a href="mailto:dsisk@tntech.edu">dsisk@tntech.edu</a> (931) 372-3471	Digital media
<b>Sisk, John</b> Adjunct	<a href="mailto:jsisk@tntech.edu">jsisk@tntech.edu</a>	Digital media
<b>Smith, Rebecca</b> Adjunct	<a href="mailto:rsmith@tntech.edu">rsmith@tntech.edu</a>	Fibers
<b>Wilson, Jessica</b> Assistant Professor	<a href="mailto:jwilson@tntech.edu">jwilson@tntech.edu</a> (931) 372-6884	Clay



<b>Wood, Rena</b> Assistant Professor	<a href="mailto:rwood@tntech.edu">rwood@tntech.edu</a> (931) 327-876	Fibers • Weaving • Surface design • Needlework
SCHOOL OF MUSIC		
NAME	CONTACT INFORMATION	RESEARCH INTERESTS AND EXPERTISE
<b>Adduci, Michael</b> Assistant Professor	<a href="mailto:madduci@tntech.edu">madduci@tntech.edu</a> (931) 372-3719	Oboe • Music theory • Aural techniques
<b>Allcott, Daniel</b> Professor	<a href="mailto:dallcott@tntech.edu">dallcott@tntech.edu</a> (931) 372-6179	Cello • Music directing • Orchestra
<b>Chang, Wei Tsun</b> Professor	<a href="mailto:wtchang@tntech.edu">wtchang@tntech.edu</a> (931) 372-3714	Violin, Viola
<b>Clemons, Jayce</b> Adjunct	<a href="mailto:jclemons@tntech.edu">jclemons@tntech.edu</a> (931) 372-6082	Percussion
<b>Cramer, Mark</b> Assistant Professor	<a href="mailto:mcramer@tntech.edu">mcramer@tntech.edu</a> (931) 372-6087	Clarinet
<b>Danner, Gregory</b> Professor	<a href="mailto:gdanner@tntech.edu">gdanner@tntech.edu</a> (931) 372-6180	Music composition
<b>Davis, Josh</b> Adjunct	<a href="mailto:jkdavis@tntech.edu">jkdavis@tntech.edu</a>	Piano
<b>Godes, Catherine</b> Associate Professor	<a href="mailto:cgodes@tntech.edu">cgodes@tntech.edu</a> (931) 372-3715	Piano
<b>Hagarty, Mia</b> Adjunct Faculty	<a href="mailto:mhagarty@tntech.edu">mhagarty@tntech.edu</a> (931) 372-3161	Viola • String project • Viola
<b>Hagarty, Scott</b> Assistant Professor	<a href="mailto:shagarty@tntech.edu">shagarty@tntech.edu</a> (931) 372-3711	Trumpet
<b>Hansen, Jeremy</b> Professor	<a href="mailto:jhansen@tntech.edu">jhansen@tntech.edu</a> (931) 372-6089	Music education • Horn performance
<b>Harris, Eric</b> Professor	<a href="mailto:eharris@tntech.edu">eharris@tntech.edu</a> (931) 372-3728	Athletic bands • Teaching music through performance in band, concert bands
<b>Hauser, Joshua</b> Professor	<a href="mailto:jhauser@tntech.edu">jhauser@tntech.edu</a> (931) 372-6086	Trombone
<b>Hauser, Kristin</b> Adjunct Faculty	<a href="mailto:khauser@tntech.edu">khauser@tntech.edu</a>	Music education • Bassoon • Music appreciation
<b>Hill, Colin J.</b> Interim Director	<a href="mailto:cjhill@tntech.edu">cjhill@tntech.edu</a> (931) 372-6406	Percussion
<b>Light, Preston</b> Adjunct	<a href="mailto:plight@tntech.edu">plight@tntech.edu</a> (931) 372-3168	Tuba • Euphonium
<b>Matthews, Mary</b> Assistant Professor	<a href="mailto:mmatthews@tntech.edu">mmatthews@tntech.edu</a> (931) 372-6083	Flute
<b>McCormick, Chris</b> Professor	<a href="mailto:cmccormick@tntech.edu">cmccormick@tntech.edu</a> (931) 372-6182	Trumpet • Jazz studies
<b>Miller, Jeffrey</b> Assistant Professor	<a href="mailto:jlmiller@tntech.edu">jlmiller@tntech.edu</a> (931) 372-6559	Bands • Music education
<b>Morris, R. Winston</b> Professor	<a href="mailto:wmorris@tntech.edu">wmorris@tntech.edu</a> (931) 372-3168	Tuba • Euphonium

<b>Mullen, Wendy</b> Professor	<a href="mailto:wmullen@tnitech.edu">wmullen@tnitech.edu</a> (931) 372-3167	Voice
<b>Odegaard, David</b> Adjunct Faculty	<a href="mailto:dodegaard@tnitech.edu">dodegaard@tnitech.edu</a> (931) 372-3161	Music appreciation • Music theory • Aural skills • Double bass
<b>Pulte, Diane</b> Professor	<a href="mailto:dpulte@tnitech.edu">dpulte@tnitech.edu</a> (931) 372-6085	Voice • Operatic interpretation
<b>Reames, Christopher</b> Assistant Professor	<a href="mailto:creames@tnitech.edu">creames@tnitech.edu</a> (931) 372-3624	Voice • Opera/music theater scenes • Vocal diction
<b>Robinson, Jordan</b> Adjunct	<a href="mailto:ajrobinson@tnitech.edu">ajrobinson@tnitech.edu</a> (931) 372-1234	Percussion
<b>Stone, Doc</b> Adjunct Faculty	<a href="mailto:kstone@tnitech.edu">kstone@tnitech.edu</a> (931) 372-3161	Guitar
<b>Sullivan, Judith</b> Associate Professor	<a href="mailto:jasullivan@tnitech.edu">jasullivan@tnitech.edu</a> (931) 372-3625	Music education
<b>Thurmond, Paul</b> Lecturer	<a href="mailto:pthurmond@tnitech.edu">pthurmond@tnitech.edu</a> (931) 372-3329	Piano • Vocal coaching
<b>Womack, Jeff</b> Assistant Professor	<a href="mailto:jwomack@tnitech.edu">jwomack@tnitech.edu</a> (931) 372-6133	Bassoon
<b>Younglove, Matt</b> Assistant Professor	<a href="mailto:myounglove@tnitech.edu">myounglove@tnitech.edu</a> (931) 372-3775	Saxophone
<b>Zamer, Craig</b> Professor	<a href="mailto:czamer@tnitech.edu">czamer@tnitech.edu</a> (931) 372-3650	Choral conducting • Music education

**COLLEGE OF INTERDISCIPLINARY STUDIES  
FACULTY AREAS OF EXPERTISE BY DEPARTMENT**

SCHOOL OF ENVIRONMENTAL STUDIES		
NAME	CONTACT INFORMATION	RESEARCH INTERESTS AND EXPERTISE
<b>Mattingly, Hayden</b> Professor	<a href="mailto:hmattingly@tntech.edu">hmattingly@tntech.edu</a> (931) 372-3698	Ecology and conservation of stream fish and crayfish • Endangered species recovery and management
<b>Boles, Tammy</b> Associate Professor	<a href="mailto:tboles@tntech.edu">tboles@tntech.edu</a> (931) 372-6123	Detection of pharmaceuticals and personal care products, primarily illicit drugs • Detection and characterization of microplastics • Environmental forensics • SPE • LCMS/MS • GC-MS <sup>n</sup> • UPLC-QToF
<b>Hajdik, David</b> Lecturer	<a href="mailto:dhajdik@tntech.edu">dhajdik@tntech.edu</a> (931) 372-6439	Leadership and conservation • Public lands management • National parks and protected lands • Research strategies for finding academic/scholarly sources
<b>Sharp, Steve</b> Interim Director	<a href="mailto:ssharp@tntech.edu">ssharp@tntech.edu</a> (931) 372-6221	Nonprofit organizations & the environment • Faith-based entities (FBEs) & the environment • FBEs & the common good

SCHOOL OF INTERDISCIPLINARY STUDIES		
NAME	CONTACT INFORMATION	RESEARCH INTERESTS AND EXPERTISE
<b>Frye, Steve</b> Director/Associate Professor	<a href="mailto:sfrye@tntech.edu">sfrye@tntech.edu</a> (931) 372-6241	Adult learning • Adult higher education • First-generation and non-traditional students • Conceptual frameworks • Learning resistance • Adult religious education
<b>Bull, Brad</b> Lecturer	<a href="mailto:bbull@tntech.edu">bbull@tntech.edu</a> (931) 372-6757	Gender issues • Rapport building with students • Religion from developmental perspective
<b>Hawkins, Paige</b> Lecturer	<a href="mailto:pjhawkins@tntech.edu">pjhawkins@tntech.edu</a>	American Sign Language (ASL) • Sign language education • Deaf culture • Deaf history
<b>Wingo, Rachel</b> Instructor	<a href="mailto:rwingo@tntech.edu">rwingo@tntech.edu</a> (931) 372-6551	Global religious traditions and cultural interactions • Textual criticism and translation of religious texts • Early Eastern Christianity • New religious movements

**SCHOOL OF PROFESSIONAL STUDIES**

<b>NAME</b>	<b>CONTACT INFORMATION</b>	<b>RESEARCH INTERESTS AND EXPERTISE</b>
TBD		

**DEPARTMENT – Communication Department**

<b>NAME</b>	<b>CONTACT INFORMATION</b>	<b>RESEARCH INTERESTS AND EXPERTISE</b>
<b>Wilson, Brenda</b> Professor and Chair	<a href="mailto:brendawilson@tntech.edu">brendawilson@tntech.edu</a> Box 5072 (931) 372-3064	Best practices in experiential learning in journalism and public relations • Media literacy and democracy • News engagement among young adults • Media use and civic engagement • Strategic communication • Magazine publishing
<b>Burch, Teddy</b> Assistant Professor	<a href="mailto:tburch@tntech.edu">tburch@tntech.edu</a> Box 5072 (931) 372-3063	Minority portrayal in media • Smart technology and empathy • Merging media trends • Gaming and education
<b>Christen, Scott</b> Assistant Professor	<a href="mailto:schristen@tntech.edu">schristen@tntech.edu</a> Box 5072 (931) 372-6357	Public speaking/oral communication • Organizational communication • Interpersonal communication • Instructional communication • Computer-mediated communication • Online pedagogy
<b>DeSimone, Betsy</b> Assistant Professor	<a href="mailto:bdesimone@tntech.edu">bdesimone@tntech.edu</a> Box 5072 (931) 372-6793	Consumer behavior • Interpersonal communication and new media • Advertising • Social psychology
<b>Ding, Yun</b> Associate Professor	<a href="mailto:yding@tntech.edu">yding@tntech.edu</a> Box 5072 (931) 372-6206	History and theory of rhetoric, rhetorical criticism • American public address • Visual communication
<b>Kash, Graham</b> Professor	<a href="mailto:kgash@tntech.edu">kgash@tntech.edu</a> Box 5072 (931) 372-3314	Folklore (especially of the Upper Cumberland region) • Speech and Debate team • Creative writing of poems and stories
<b>Mestayer, Colleen</b> Lecturer	<a href="mailto:cmestayer@tntech.edu">cmestayer@tntech.edu</a> Box 5072 (931) 372-3109	Interpersonal, organizational and instructional communication • Strategic communication • Volunteerism and civic engagement • Teamwork, empowerment, and relationship building
<b>Metz, Jacob</b> Instructor	<a href="mailto:jmetz@tntech.edu">jmetz@tntech.edu</a> Box 5072 931-372-6797	Public speaking/oral communication • Instructional communication • Debate and forensics
<b>Witcher, Russ</b> Professor	<a href="mailto:rwitcher@tntech.edu">rwitcher@tntech.edu</a> Box 5072 931-372-3314	Media bias and politics • History of American journalism • Law of journalism
<b>Zuraikat, Laith</b> Lecturer	<a href="mailto:lzuraikat@tntech.edu">lzuraikat@tntech.edu</a> Box 5072 931-372-6052	Crisis communication • Multimedia production • Sports communication • Public speaking • Graphic design • Marketing

**TTU Whitson-Hester School of Nursing**  
**FACULTY AREAS OF EXPERTISE BY DEPARTMENT**

NAME	CONTACT INFORMATION	RESEARCH INTERESTS AND EXPERTISE
<b>Hanna, Kimberly</b> Professor and Dean	<a href="mailto:khanna@tntech.edu">khanna@tntech.edu</a> (931) 372-3203	<ul style="list-style-type: none"> <li>• Music &amp; Memory: Use of personalized music for Alzheimer’s and dementia patients to provide evidence-based practice to support the improvement of physical, cognitive, and emotional functioning in these patients.</li> <li>• Peer coaching, peer collaborative testing, peer training using cognitive rehearsal, and peer interviewing</li> <li>• Additional interests: Accessibility to health care in rural areas; Funding for nursing students’ undergraduate and graduate education. Procuring funding for new simulation equipment for WHSON’s Center of Clinical Simulation at TTU.</li> </ul>
<b>Bowman, Dolores</b> Instructor	<a href="mailto:dbowman@tntech.edu">dbowman@tntech.edu</a> (931) 372-6840	<ul style="list-style-type: none"> <li>• Not available</li> </ul>
<b>Browning, Stacey</b> Assistant Professor	<a href="mailto:sbrowning@tntech.edu">sbrowning@tntech.edu</a> (931) 372-6809	<ul style="list-style-type: none"> <li>• Onboarding, retention, an inclusivity of diverse nursing students and faculty.</li> <li>• Academic nursing education</li> <li>• Professional and interdisciplinary collaboration and civility: Creating a culture of team</li> <li>• Student nurse and staff nurse retention: Effective leadership</li> <li>• Therapeutic music listening r/t holistic care provision in diverse patient populations</li> </ul>
<b>Butler, Keisha</b> Lecturer	<a href="mailto:kabutler@tntech.edu">kabutler@tntech.edu</a> (931) 372-6831	<ul style="list-style-type: none"> <li>• Not available</li> </ul>
<b>Cathey, Heather</b> Lecturer	<a href="mailto:hcathey@tntech.edu">hcathey@tntech.edu</a> (931) 372-6815	<ul style="list-style-type: none"> <li>• Not available</li> </ul>

<p><b>Donadio, A.J.</b> Assistant Professor</p>	<p><a href="mailto:adonadio@tnitech.edu">adonadio@tnitech.edu</a> (931) 372-6812</p>	<ul style="list-style-type: none"> <li>• Best practices in nursing education, focusing on the online environment.</li> <li>• <b>Current Research:</b> Evidence of potential for critical thinking enriched course: Creative Inquiry activities, student learning outcomes, and assessment.</li> <li>• Changing Nursing Students' Perceptions of the Courtroom Through Mock Depositions</li> </ul>
<p><b>Fornehed, Mary Lou C.</b> Assistant Professor</p>	<p><a href="mailto:mcfornehed@tnitech.edu">mcfornehed@tnitech.edu</a> (931) 607-2907</p>	<ul style="list-style-type: none"> <li>• Rural Appalachian family decision-making at end-of-life</li> <li>• Culture care theory and ethnonursing method</li> <li>• <b>Current Research:</b> Pediatric hospice care in rural Appalachia</li> <li>• Hospice and palliative care in the adult and pediatric population</li> </ul>
<p><b>Geist, Melissa</b> Professor</p>	<p><a href="mailto:mgeist@tnitech.edu">mgeist@tnitech.edu</a> (931) 372-6305</p>	<ul style="list-style-type: none"> <li>• Vaccine Hesitancy and COVID-19 education to prevent the spread of Misinformation.</li> <li>• Interdisciplinary and interprofessional communication and teamwork</li> <li>• Design thinking applied to nursing and healthcare</li> <li>• Using interdisciplinary environments to increase problem-solving and clinical judgment skills</li> <li>• Culturally sensitive and sustainable study abroad experiences</li> </ul>

<p><b>Guimaraes, Sarah</b> Lecturer</p>	<p><a href="mailto:sguimaraes@tntech.edu">sguimaraes@tntech.edu</a> (931) 372-3279</p>	<ul style="list-style-type: none"> <li>● Medical-surgical nursing</li> <li>● Skilled nursing facilities/Long-term care</li> <li>● Nursing education <ul style="list-style-type: none"> <li>○ Factors that influence students' decisions to engage in academic misconduct</li> <li>○ Moral disengagement</li> <li>○ Mentorship of new nursing faculty</li> <li>○ Test-item writing and test-taking</li> </ul> </li> <li>● Patient education <ul style="list-style-type: none"> <li>○ Improvement of patient outcomes</li> <li>○ Empowerment in health-care decisions</li> </ul> </li> </ul>
<p><b>Hall, Rachel M.</b> Associate Professor</p>	<p><a href="mailto:rmhall@tntech.edu">rmhall@tntech.edu</a> (931) 372-6814</p>	<ul style="list-style-type: none"> <li>● Nursing education</li> <li>● Infertility issues</li> <li>● Women's health</li> <li>● End of life care</li> <li>● Population health</li> <li>● Quantitative research</li> </ul>
<p><b>Harvey, Lynette</b> Assistant Professor</p>	<p><a href="mailto:lharvey@tntech.edu">lharvey@tntech.edu</a> (931)-372-6807</p>	<ul style="list-style-type: none"> <li>● Human-Animal Interaction (HAI): specifically in use of canines in promoting therapeutic outcomes of older adults; Exploration of therapy dogs with individuals with testing anxiety</li> <li>● <b>Current Research:</b> Walk-A-Hound, Lose a Pound, and Stay Fit for older adults. <i>This is a mixed method longitudinal study examining the effects of dog walking on older adults living in assisted living communities.</i></li> </ul>
<p><b>Hellman, Ann</b> Associate Professor</p>	<p><a href="mailto:AHellman@tntech.edu">AHellman@tntech.edu</a> (931) 372-6813 <a href="https://www.researchgate.net/profile/Ann_Hellman">https://www.researchgate.net/profile/Ann_Hellman</a></p>	<ul style="list-style-type: none"> <li>● Sexual assault, sexual violence, spirituality, nursing education, healthcare of communities, and disaster nursing especially as it pertains to nursing education.</li> <li>● Versed in qualitative research. I have expertise in obstetrical nursing (x 16 years of acute care experience) and community health nursing.</li> </ul>

<p><b>Howard, Tammy</b> Assistant Professor</p>	<p><a href="mailto:thoward@tntech.edu">thoward@tntech.edu</a> (931) 372-6804</p>	<ul style="list-style-type: none"> <li>• Multiples/breastfeeding multiples, Substance use during pregnancy/ NAS, Public observation assignment effect (beginning BSN nursing student), Nursing simulation, Concussions (youth basketball focus)</li> </ul>
<p><b>Hurley, Shelia</b> Associate Professor</p>	<p><a href="mailto:SHurley@tntech.edu">SHurley@tntech.edu</a> (931) 372-6805</p>	<ul style="list-style-type: none"> <li>• Sexual assault, sexual violence, spirituality, nursing education, Alzheimer's</li> <li>• <b>Current Research:</b> PI- \$665,000 grant that provides a resident-centered statewide personalized art to improve the quality of care in nursing homes throughout Tennessee.</li> <li>• Co-PI \$500,000 grant to bring sexual assault services to the Tennessee Tech Campus by training nurses in SANE and developing a program to provide those services at the university.</li> <li>• The use of a mock deposition to increase student learning.</li> </ul>
<p><b>Jared, Barbara</b> Associate Professor/ Director</p>	<p><a href="mailto:bjared@tntech.edu">bjared@tntech.edu</a> (931) 372-3460</p>	<ul style="list-style-type: none"> <li>• Maternal health literacy, Health literacy, Women's health</li> <li>• Rural health</li> <li>• Prenatal care in rural populations Nursing education</li> </ul>
<p><b>Jones, Amanda</b> Instructor</p>		
<p><b>Langford, Matthew</b> Assistant Professor</p>	<p><a href="mailto:mlangford@tntech.edu">mlangford@tntech.edu</a> (931) 372-3465</p>	<ul style="list-style-type: none"> <li>• Psychiatric/mental health</li> <li>• Community health</li> <li>• Increasing sleep in psychiatric inpatients through sleep hygiene education, exercise, and guided imagery.</li> <li>• The use of deep abdominal breathing increasing energy and concentration levels in nursing students.</li> <li>• The use of a psychiatric inquiry capstone assignment in increasing</li> </ul>



		mental health competency in nursing students.
<b>Lee, Emily</b> Associate Professor	<a href="mailto:Elee@tntech.edu">Elee@tntech.edu</a> (931) 372-3708	<ul style="list-style-type: none"> <li>• Simulation and clinical training for FNP's</li> <li>• Women's health &amp; breastfeeding</li> <li>• Health promotion &amp; wellness</li> <li>• FNP certification success</li> </ul>
<b>LeFave, Mary</b> Instructor	<a href="mailto:mlefave@tntech.edu">mlefave@tntech.edu</a> (931) 372-3228	<ul style="list-style-type: none"> <li>• Not available</li> </ul>
<b>Mabry, Jennifer</b> Associate Professor	<a href="mailto:jmabry@tntech.edu">jmabry@tntech.edu</a> (931) 372-6801	<ul style="list-style-type: none"> <li>• Current interests: <ol style="list-style-type: none"> <li>1. Prevention of chronic illness specifically cardiac and endocrine in Appalachian population</li> <li>2. Primary care/urgent care-20+ years experience as FNP</li> <li>3. Healthcare policy</li> </ol> </li> <li>• <b>Current Research:</b> <ol style="list-style-type: none"> <li>1. Educational strategies in academic nursing (simulation, rubric development, nursing residency)</li> <li>2. Rural Appalachia and primary care access with an Academic practice partnership</li> </ol> </li> </ul>
<b>Maharaj, Geeta</b> Assistant Professor	<a href="mailto:gmaharaj@tntech.edu">gmaharaj@tntech.edu</a> (931) 372-3679	<ul style="list-style-type: none"> <li>• Not available</li> </ul>
<b>Piras, Susan E.</b> Associate Professor	<a href="mailto:spiras@tntech.edu">spiras@tntech.edu</a> (931) 372-6810	<ul style="list-style-type: none"> <li>• Critical care nursing research: ICU Delirium interventions and Early mobility</li> <li>• Second degree nursing student attrition</li> <li>• Academic misconduct</li> </ul>

<p><b>Roberts, Toni</b> Lecturer</p>	<p><a href="mailto:tsroberts@tnitech.edu">tsroberts@tnitech.edu</a> (931) 372-6811</p>	<ul style="list-style-type: none"><li>• <i>Civility in nursing and nursing education, lateral violence:</i> e.g., role modeling professional behaviors, improving civility in the clinical area, teaching students to recognize and respond to incivility and create a culture of safety for patients and nurses.</li><li>• <i>Nursing education – adult learning theory, simulation, evaluation methods:</i> e.g., deep learning, fair testing, active learning strategies, collaborative learning and testing, simulation evaluation.</li><li>• <i>Nursing practice – staff retention:</i> e.g., nurse residency programs, transition to practice, professional development.</li><li>• <i>Music intervention:</i> e.g., music to decrease agitation and promote quality of life in Alzheimer’s patients, music intervention to decrease stress and improve student performance, music intervention to improve mood and movement.</li><li>• <i>Academic misconduct in nursing education:</i> e.g. exploration of influencing factors and development of deterrents.</li></ul>
<p><b>Stacie Rothfus</b> Assistant Professor</p>		

<p><b>Russell, Bedelia H.</b> Associate Professor</p>	<p><a href="mailto:bhrussell@tnitech.edu">bhrussell@tnitech.edu</a> (931) 372-3689 <a href="https://www.researchgate.net/profile/Bedelia_Russell">https://www.researchgate.net/profile/Bedelia_Russell</a></p>	<ul style="list-style-type: none"> <li>• Nursing education</li> <li>• Pediatric population health</li> <li>• Boyer Model of Scholarship</li> <li>• Intellectual curiosity and metacognition</li> <li>• Motivational factors of teaching and learning</li> <li>• Qualitative, hermeneutics, and mixed-methods research</li> </ul>
<p><b>Sarfo, Robert</b> Assistant Professor</p>	<p><a href="mailto:rsarfo@tnitech.edu">rsarfo@tnitech.edu</a> (931) 372-6832</p>	<ul style="list-style-type: none"> <li>• Health literacy among adult African-Americans with heart failure</li> <li>• Self-care behaviors in patients with heart failure (Left ventricular systolic dysfunction)</li> <li>• 30-day hospital readmissions in adult African-American heart failure patients</li> <li>• Effect of antipsychotic medications on mentally-ill patients with comorbid heart disease</li> <li>• Mediation and moderation analyses</li> </ul>
<p><b>Snow, Ashleigh</b> Lecturer</p>	<p><a href="mailto:asnow@tnitech.edu">asnow@tnitech.edu</a> (931) 372-3617</p>	<ul style="list-style-type: none"> <li>• Women's health, particularly breastfeeding and postpartum depression</li> </ul>