

# Undergraduate Research Opportunities: Find a Match with a Mentor

Pursuing undergraduate research is a great way to learn more about the “hows” and “whys” of your engineering coursework, build your resume, and possibly earn some money along the way. The following faculty have indicated that they are open to conversation with undergraduate students from civil or related fields seeking to do research:

Name	Phone & Email	Research Area
Juyeong Choi	850-410-6190 <a href="mailto:jchoi@famufsu.edu">jchoi@famufsu.edu</a>	Infrastructure planning for sustainability and resilience; Infrastructure system-of-systems; Construction project management; Capital rehabilitation planning; Pre-demolition planning
Maxim Dulebenets	850-410-6621 <a href="mailto:mdulebenets@eng.famufsu.edu">mdulebenets@eng.famufsu.edu</a>	Operations Research, Optimization and Simulation Modeling; Metaheuristics; Hybrid Algorithms; Evolutionary Computation; Transportation Engineering
Michael Elwardany	850-410-6127 <a href="mailto:melwardany@eng.famufsu.edu">melwardany@eng.famufsu.edu</a>	Resilient Pavements and Sustainable Paving Materials; Multiscale characterization of construction materials; Machine Learning Applications in Civil Engineering; Chemical-Mechanical Models; Rheology; Polymers
Pedro Fernández-Cabán	850-410-6251 <a href="mailto:plfernandez@eng.famufsu.edu">plfernandez@eng.famufsu.edu</a>	Structural and wind engineering; Behavior of extreme near-surface hurricane winds; Wind effects on the built environment; Cyber-physical modeling, performance, and optimization of civil infrastructure; Natural hazard and disaster mitigation
Qianwen Guo	850-410-6252 <a href="mailto:gguo@eng.famufsu.edu">gguo@eng.famufsu.edu</a>	Public transit operations; Shared mobility; Transportation network resilience; Transportation infrastructure investments.
Sungmoon Jung	850-410-6386 <a href="mailto:sjung@eng.famufsu.edu">sjung@eng.famufsu.edu</a>	Wind Effects on Structures, Hurricane & Community Resilience, Wind Energy, Vehicle Design & Safety
Youneng Tang	850-410-6119 <a href="mailto:ytang@eng.famufsu.edu">ytang@eng.famufsu.edu</a>	Per- and polyfluoroalkyl substances (PFAS) measurement
Kamal Tawfiq	850-410-6477 <a href="mailto:tawfiq@eng.famufsu.edu">tawfiq@eng.famufsu.edu</a>	Shallow and deep foundations; Retaining walls; Concrete maturity; Soil permeability; Self-consolidating concrete, Foam concrete; Development of field-testing instruments
Qian Zhang	850-410-6260 <a href="mailto:qzhang@eng.famufsu.edu">qzhang@eng.famufsu.edu</a>	High-performance and multi-functional cementitious materials; Innovative application of advanced materials in structures and infrastructure; Multi-scale characterization and modeling of construction materials; Thermal properties of construction materials; Structure fire safety

Available research opportunities may be:

- Paid or volunteer
- Lab, field, or computer work
- Short or long-term
- Suitable for students with various academic experience

Please reach out to the above faculty who are in your area of interest to learn more and see whether you are a good fit for their openings.