.College of Technology
Open House and Career Expo*
For College Students**

Audience:	**College Students** (** - previously graduated high school), college faculty, counselors, and administrators
When:	**Friday, November 1, 2024**
Recommended Time:	**10:00 AM – Noon** ***
Where:	**Kansas Technology Center, Pittsburg State University 909 E. Ford Ave. Pittsburg, Kansas, 66762**
Registration/FMI:	**https://www.pittstate.edu/ktcopenhouse**

Schedule:

- **Check-in between 9:30 AM and 10:30 AM**
- **20-minute orientation tour to KTC, followed by:**
- **Open Schedule of Investigative Activities,** including:

  Dozens of Demonstrations/Hands-on Experiences. Provided in at least 12 different technology venues; equipment and simulators.

  Interactions. Discuss transfer and internship experiences with students and faculty members, and hear perspectives of alumni company reps.

  Door Prizes/Scholarships*. Prizes/scholarship vouchers available.

  Information Station Highlights. What Transfers Need to Know; Scholarships and Military Opportunities; Student Organizations and Special Events; and Information about Pitt State.

  *** **Additional Meeting Time Available.** In advance, transfer students may schedule meeting times during or after event with faculty.

***Virtual Open House** event is also available **October 4 – November 8, 2024**, if face-to-face visit is not feasible. ALL registered students are provided access to virtual site. Opportunities for SCHOLARSHIPS earned by completing "virtual site" Feedback Sheets.

Draft Copy -- Planned Open House Demonstrations & Displays – Draft Copy

Updated as of 8/7/2024, More Updates to Follow

Program	Demo/Display
Environmental Safety (ESM)	• Fall Protection and Harness Rigging • HAZMAT Suit • Specialized Safety Devices
Wood Product Manufacturing (WPM)	• 5-Axis CNC Router (Gorilla) • CNC Panel Saw • Holzher Edgebander • Innovative CADD Lab • Student Projects Display • Veneering and Display • Moulder Demo (every 30 min.) • Cabinet Construction – Case Clamp & Vertical Machinery • Wood ID Display
Graphic Communications	• Print Media • Automated Screen Printing • Photography/Light Painting • 3-D Software -Animation • Laptop Sticker Design • Motion Graphics • Addy Awards/Senior Projects • Studio Headshots • Packaging Prototypes • 3D Animation w/Blender • Mobile Video Demonstration
Mechanical Engineering Tech (MET)	• 3D Printing Lab -- Additive Manufacturing • Mechanics of Materials Strength of Materials • Demos: Fluid Mechanics • Moon Rover Competition
Construction Management/ Construction Engineering Technology	• iPlan Table, 3-D Printing Structures: "Sand Pit" (interactive topography); • Surveying Equipment; • Building Information Modeling (BIM); • Virtual Reality/ • Augmented Reality • CAT Simulator Activities: Dozer, Loader, and Excavator; • Display: Crane Simulators • Demo: Concrete/Testing • Activity: Bobcat Mini-Excavator (optional)

Program	Demo/Display
Interior Design	• Interior Design Student Projects
Automotive	• Drivability Dynamometer • Baja Vehicle Display • SimSpray Simulator • Drag Race "Christmas Tree" Competition • ADAS Equipment Demo • Electric Vehicle (EV) Lab
Electronics Engineering Tech (EET)	• Artificial Intelligence (AI) Deep Learning Robot; • Substation Model • Black & Veatch Scholarships • Solar RC Car • Programmable Gate Array (FPGA) Video Game • Digital Signal Processing Audio Effects • Senior Project Wall Displays
Electrical Technology	• Two Year Electrical Residential Wiring Lab • Electrical Machinery Lab • Interactive Electrical Activities • Specialty Electrical Trainers
Manufacturing Engineering Technology	• High Pressure Waterjet Cutting - Foam PSU Cutouts; • Sand Molding Demo –"*The Magic of Green Sand Using the Mini Foundry."* • Plasma-Cutting Metal
Technology & Engineering Education	• Tour: Center of Applied STEM Education (CASE) • CNC Router & 3-D Printing • Laser Engraving & Robotics; KidSpark Education Systems • Mechanical Function Display; • Innovation Collaboration Pod; & Student Projects
Plastics Engineering Tech (PET)	• Demo: Injection Molding " Frisbees" and Other Items • Demo: Blown Film Extrusion "Plastic Bags
SWE	• Society of Women Engineers Display