

RHODES STATE RHODESOLOGY YOUTH PROGRAMS

Mini Camps Schedule

Grades 5-7:

Camps held at Rhodes State College

Design and Draft in 2D and 3D

November 18, 2023 | 10 am - 12 pm

Explore a career as an architect, construction manager, engineer, or industrial designer. Computer-aided design (CAD) and drafting has replaced manual drafting for 2D and 3D creations enabling the development, modification and optimization throughout the entire process. During this session, students will get a chance to dive deeper into this technology and visualize construction by designing a 3D solid assembly with a 3D assembly package from Autodesk.



Cost: \$29 each

Scan for More Information or to Register



Experience the Brains Behind Automation

January 27, 2024 | 10 am - 12 pm

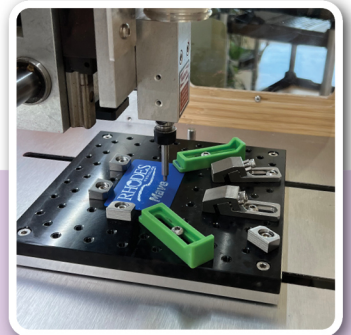
Investigate how industrial computers have adapted for control of manufacturing processes, such as assembly lines, robotic devices, machines, or any activity that requires high reliability, ease of programming, and process fault diagnosis? Students will learn how and why Programmable Logic Controllers (PLCs) are used in industry and be allowed to develop and test their own PLC program. PLCs are the brains behind industrial machines, continuously monitoring the state of input devices based upon custom programming.



Command Machines to Laser Engrave

February 24, 2024 | 10 am - 12 pm

Uncover the secret of the manufacturing process in which pre-programmed computer software dictates the movement of factory tools and machinery. Students will use Mastercam CAM software and generate Computer Numerical Control (CNC) code while discovering how machining can control a range of complex machinery from grinders to lathes to mills and CNC routers. Most commonly used in manufacturing for machining metal and plastic parts and helps automate the fabrication process. A tour of the manufacturing lab at Rhodes State will be offered.



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Questions? Contact Ashley Hunter
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