DUNS No	074744624	**SIC**	8221
Cage Code	0XRD4	**Federal EIN No**	546001811
NAICS ID	611310		

Certificates, Registrations, Accreditations: SAM.gov, SACSOC, ABET, ATMAE, AASCB, NCATE, CAEP, CSWE, ACEND, ACPHA, NASAD, NASM

Research Capabilities

Advanced manufacturing, including 3D manufacturing and friction stir welding
Surface engineering using nanotechnology
Data mining and machine learning
Unmanned aerial and terrestrial vehicles
Robotics
Cognition and learning, including neuroimaging
Bioinformatics and genomics
Fluorescence and scanning electron microscopy
Food safety

Autonomous controls through embedded sensors and wireless sensor networks
Process control and logistics
Predictive modeling
Mobile and web application development
Game theory/dynamic systems
Nontraditional/drought resistant foods

Specialized instrumentation

Electroencephalogram (EEG), Scanning electron microscope, fluorescent microscope, stir welding machine, fused deposition modeling machine, UV Curable polymer jet prototype machine, computer integrated manufacturing system, coordinate measuring machine, drones (2), autonomous tractor, robotic arm, milling machines (horizontal, vertical, CNC), materials test equipment (hardness, tensile strength, impact, fatigue), fluids and hydraulics test equipment (hydraulics, pneumatics, hydrostatics, centrifugal pump, channel flow, radial pump/turbine, axial pump), Metrology vision system, indoor growth environments, DNA microarray, Illumina benchtop sequencers (2), real time PCR system, thermal cyclers, gel electrophoresis (protein and nucleic acid), high pressure liquid chromatography system, UV cross linker, flow cytometer, gel documentation system, multiple spectrophotometry systems, cell electroporation system, plasma spray coating cell, EOS M290 laser metal sintering cell for additive manufacturing, laser powder deposition, integrated data acquisition systems, 5-axis mill/turn, B-axis mill, robotic surface preparation, and a 3D visualization lab.

Partnerships

Commonwealth Center for Advanced Manufacturing (CCAM; www.ccam-va.com)- a university/industry partnership which seeks to develop and provide advanced manufacturing solutions for its member companies. Industry members include Airbus, Alcoa, Newport News Shipbuilding, Rolls Royce, and Siemens. A full list of industry partners can be found at http://www.ccam-va.com/industry-members/.

Commonwealth Center for Advanced Logistics Systems (CCALS; www.ccals.com)- a partnership between universities, industries, and government which seeks to develop transformational improvements to logistics systems.

Point of Contact Information

G. Dale Wesson, PhD	Box 9001
Vice-President for Research and Economic Development	Virginia State University
	Petersburg, VA, 23806
dwesson@vsu.edu	804-524-3083