

**Clark Atlanta University, [www.cau.edu/research](http://www.cau.edu/research)  
Research Competencies/Capabilities**

Contact: Marcus W. Shute, P.E., Ph.D.; [research@cau.edu](mailto:research@cau.edu)

ver 12 May 2010

Legend	
L	- limited competency/capability
M	- medium competency/capability
H	- high competency/capability

Area	CAU
Advanced Manufacturing Technology	L
Animal Science	L
Animal/Plant Diagnostic Labs	L
Artificial Intelligence	H
Automatic Target Recognition	L
Bioinformatics	M
Biological Agent Testing	H
Biological Basic	H
Biometrics	M
Bioremediation	M
Biotechnology/Biomolecular Science	H
Cancer Research/Genomics	H
Chemical Agent Testing	H
Chemical Basic	H
Classified Research/Compartmentalized Research	M
Climatology/Climate Research	L
Community Outreach	H
Computational Fluid Dynamics	M
Computational Sciences	H
Control Systems	M
Cybersecurity/Information Security	H
Drug Delivery/Drug Development	H
Economic Impact/Needs Assessment	M
Educational Research/Distance Education	H
Educational Outreach/Dissemination/Assessment	H
Emergency Response Technology	L
Energy/Energy Conversion/Alternative Energy	H
Engineering	L
Engineering Economics/Life Cycle Analysis	L
Environmental Policy/Science	H
Field Sensors (for agro-terrorism)	L
Food Safety	L
Genetics	M
GIS	M
Hazardous Waste Management/Training	L
Health Research/Minority Health Disparities	M
High Performance Computing/Modeling/Simulation	H
HIV/AIDS Research, Education, Prevention	L
Homeland Security Research/Policy/Training	M
Human Computer Interaction	M
Human Factors	M
Image Processing	M
Indoor Air Quality	M
Information Technology	H
Intelligence Research/Training/Courseware	H

**Clark Atlanta University, [www.cau.edu/research](http://www.cau.edu/research)  
Research Competencies/Capabilities**

Contact: Marcus W. Shute, P.E., Ph.D.; [research@cau.edu](mailto:research@cau.edu)

ver 12 May 2010

Legend	
L	- limited competency/capability
M	- medium competency/capability
H	- high competency/capability

Area	CAU
Lab Instrumentation	H
Law Enforcement Training	M
Learning Sciences	L
Materials Science	H
Multi-modal Transportation	M
Nanodevices/Nanomaterials/Nanofabrication	H
Nanotechnology/Nanophotonics	H
Neural Engineering/Neural Networks	M
Optical Communications/Optical Engineering	M
Opto-electronics/Photonics	M
Plant Science	L
Public Health Research	M
Public Policy on Science & Tech	M
Radiological Basic	M
Radiological Decontamination	L
Remote Sensing	L
Robotics/Automation	M
Sensors Research and Development	H
Service Science, Management and Engineering	M
Software Development	H
Surface Water/Groundwater Hydrology	L
Supply Chain Management/Logistics	H
Systems Engineering	H
Technology Transfer/Commercialization	M
Transportation (Multi-modal)	M
Vaccine/Therapeutics Development	H
Water Quality/Wastewater operations	H
Wireless Communications	M