College Profile Summary

College of Engineering, Science, Technology and Agriculture (CESTA)

CESTA Vision

Vision
To create an environment that is accessible to people and propels them to enhance discoveries through engineering, science, technology, and agriculture.

Leadership of 1890 Land-Grant Programs
- Interim Dean and Director, 1890 Land-Grant Programs Subramania I. Sritharan, Ph.D, P.E
- Associate Extension Administrator, Sid Dasgupta Ph.D.
- Associate Director, Research, Subramania Sritharan, Ph.D., P.E

Departments
- Agricultural and Life Sciences
- Manufacturing Engineering
- Mathematics and Computer Science
- Water Resources Management

Overview
The College of Engineering, Science, Technology and Agriculture (CESTA) at Central State University (CSU) offers degree programs in 10 critical areas of Basic and Applied Science, Technology, Engineering and Mathematics. CESTA offers minors in many of these same programs as well as in interdisciplinary fields such as Environmental Science, Forensic Science, Computational Science and Nuclear Engineering. CESTA is the critical hub for computer literacy, mathematics, and science requirements in the General Education component of all CSU programs. Unique to Ohio, CESTA offers an interdisciplinary degree program in Water Resources Management. Our Manufacturing Engineering and Environmental Engineering Programs are accredited by the Accreditation Board for Engineering and Technology, Inc. (ABET).

Partners
- USDA-NIFA
- The Ohio State University-Extension
- Montgomery County Environmental Services
- City of Trotwood
- Ohio Ecological Farm Association
- Dayton Food Bank
- Toledo YMCA
- Xenia Recreation, Education, Activity, Community, and Health (REACH) Center
- Ohio Farm Bureau

Signature Programs for Recruitment and Retention
- Seed-to-Bloom (Middle Schoolers)
- Verizon
- REAP (High Schoolers)
- STEM X-Ed (CESTA Students)

Signature Research Programs
- Water Resources Management
- Nutrition Health and Exercise
- Advanced Agricultural Technology

Grants and Contracts
Over $4 Million Annually
Centers
- International Center for Water Recourses Management (CWRM)
- Center of Excellence of STEM Education (STEM-X-ED)
- Center of Excellence in Emerging Technologies (CEET) -- a Center designated by the State of Ohio

Land Grant Programs
CESTA administers the University's Land-Grant Programs. Our faculty, scientists, and engineers have excellent laboratories for instruction and research and train students in hands-on usage of advanced equipment. Our Land-Grant activities are integrated into every fabric of CESTA. Concepts in natural science, agriculture, mathematics, computer science and engineering are employed to serve the needs of the agricultural community in Ohio.

Signature Majors
- Sustainable Agriculture (B.S.)
- Industrial Technology (B.S.)
- Water Resource Management (B.S.)
- Manufacturing Engineering (B.S.)
- Environmental Engineering (B.S.)
- Exercise Science (B.S.)
- Mathematics (B.S.)
- Computer Science (B.S.)

Accreditations
ABET for Manufacturing Engineering and Environmental Engineering.

Student Research
Our students are engaged in research at major universities, federal laboratories, and on-campus laboratories throughout the academic year and summer months. Student industrial internships are available. CESTA works closely with the Center for Student Opportunities (CSO) in identifying scholarships, internships, and graduate school preparation courses as well as offering assistance with graduate school visits and placement.

Contact
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