

Office of Career and Technical Education

School District Five
of Lexington and Richland Counties

Dr. Bob Couch, Director

October 24, 2011

Scheduled School Opening

August 2012

Top 10 Industries for Employment Growth

THEN (2003)	NOW (2010)
Health Care Equipment & Services	Health Care Equipment & Services
Retailing	Software & Services
Pharmaceuticals, Biotechnology, & Life Sciences	Energy
Software & Services	Capital Goods
Commercial Services & Supplies	Pharmaceuticals, Biotechnology, & Life Sciences
Real Estate	Technology Hardware & Equipment
Energy	Consumer Services
Insurance	Diversified Financials
Banks	Retailing
Capital Goods	Materials

From: “*GROWTHonomics: The Next 800 Companies to Lead America's Growth*,” www.blueprintgrowth.com

VISION

To prepare every graduate to be college and career ready, enter the global workforce, and be successful and a contributing citizen.

MISSION

To offer high wage and high tech courses and programs that meet global academic and technical standards, integrate academic and technical studies, provide students a seamless transition through a PK-20 educational pathway with dual credit opportunities, and prepare every student to be college and career ready.

Proposed Center Curriculum

- 18 programs of study
- 4 schools of study
- Anchor programs
- High tech programs
- Innovative programs

School of Fine Arts and Humanities

Arts, Audio-Video Technology and Communication Cluster

- Graphic Communications, Visual & Digital (The Center)
- Interdisciplinary Studies
- AP
- IB (IHS)
 - Journalism
 - Liberal Arts
 - Media Technology & Visual Arts (The Center, DHFS, IHS)
 - Performing Arts
 - Visual Arts & Design
 - World Language

Education and Training Cluster

- Teacher Training



School of Business Management and Information Systems

Business Management and Administration Cluster

- Business Information Management
- General Management

Finance Cluster

- Accounting

Hospitality and Tourism Cluster

- Culinary Arts & Technology (The Center)

Information Technology Cluster

- Computer Science Technology (The Center)
- Programming & Software Development
- Web & Digital Communications

Marketing, Sales, and Service Cluster

- Marketing Management



School of Engineering, Manufacturing, and Industrial Technology

Agriculture, Food and Natural Resources Cluster

- Biotechnology & Engineering Systems (The Center)
- Veterinary Science & Technology (The Center)

Architecture and Construction Cluster

- Architecture
- Building Construction Design & Integrated Technology
(The Center)
- Electrical Design & Integrated Systems (The Center)
- Heating & Air Engineering Systems (The Center)

Manufacturing Cluster

- Engineering Design & Machine Tool Technology (The
Center)
- Mechatronics Systems Technology (The Center)
- Welding Technology (The Center)



School of Engineering, Manufacturing, and Industrial Technology (continued)

Science, Technology, Engineering and Mathematics Cluster

- Aerospace Engineering (The Center)
- Alternative Energy & Engineering Systems (The Center)
- Engineering & Engineering Technology
- Life Science
- Mathematics
- Physical Science

Transportation, Distribution and Logistics Cluster

- Automotive Collision Technology & Design (IHS)
- Automotive Service & Maintenance (The Center)



School of Health Science, Human, and Public Services

Government and Public Administration Cluster

- Government Service
- Military Science

Health Science Cluster

- [Biomedical Sciences & Nanotechnology \(The Center\)](#)
- Health Diagnosis and Treatment
- Medical Science and Research
- Physical Education
- Sports Medicine



School of Health Science, Human, and Public Services (continued)

Human Service Cluster

- Cosmetology (IHS)
- Counseling, Mental Health, and Social Services

Law, Public Safety, and Security Cluster

- [Cyber Security & Cyber Forensics Technology \(The Center\)](#)
- Law and Legal Services
- Law Enforcement (DFHS)



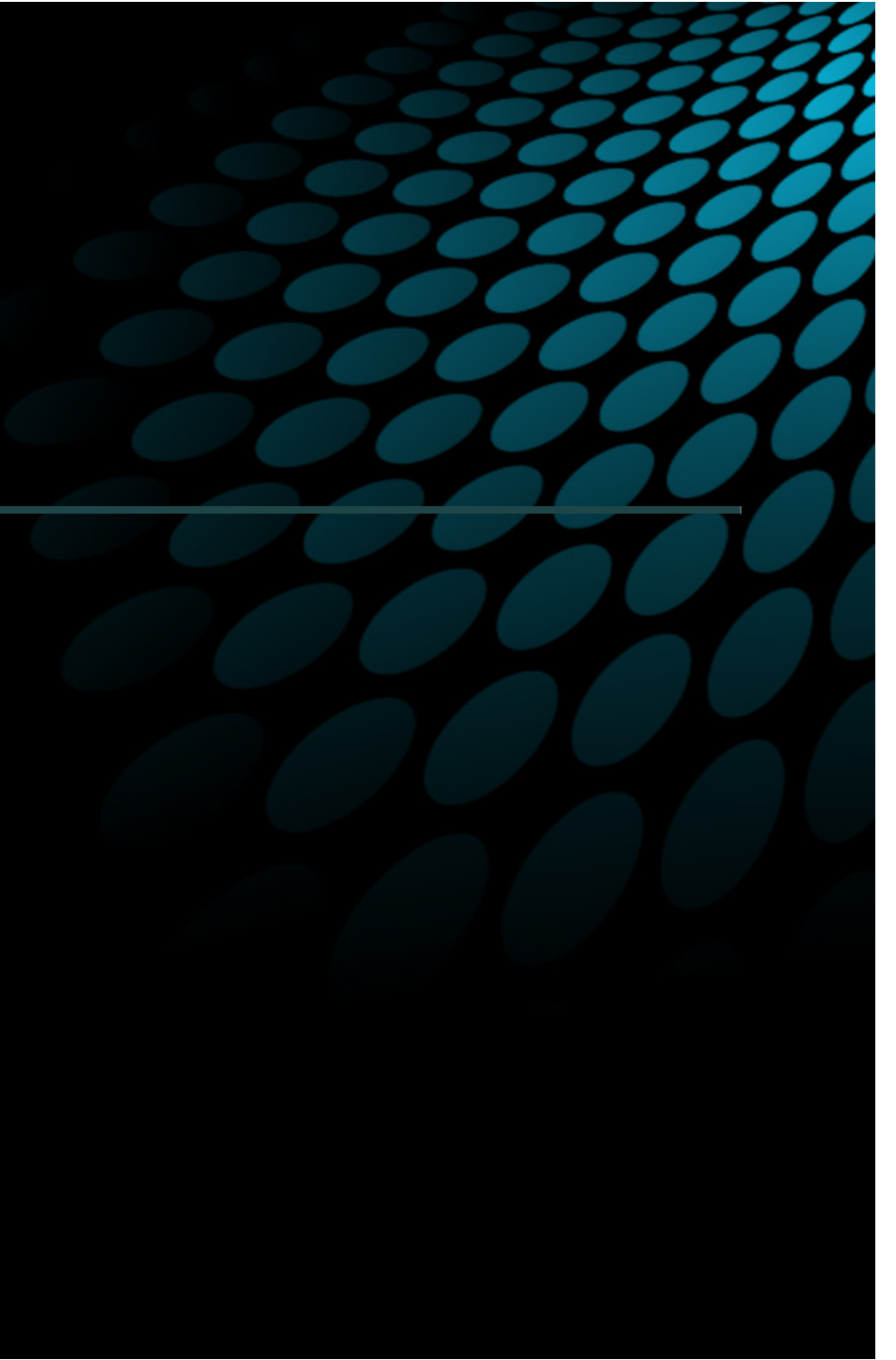
Course:

Introduction to STEM and Technology Systems

Modules include:

Course One	Course Two
Aerospace Rocketry	Forensic Science
Agribiotechnology	Genetics
Digital Manufacturing	Health Science
Engineering	Intelligent Systems

Architectural Renderings





FRONT ELEVATION



CORNER VIEW OF T&I LAB




MAIN ENTRY VIEW

Board Discussion Items

Proposed Name...

Center for Advanced Technical Studies



Proposed Mascot...



The Bobcats

Questions?

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Director of Career and Technology Education

District Five of Lexington and Richland Counties

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