



*Academy for Engineering & Technology
New College Institute & Virginia State University*

Through a partnership with Virginia State University (VSU), the New College Institute (NCI) is proud to offer the Academy for Engineering and Technology (AET) to regional high school juniors and seniors. The AET program is located in NCI's uptown Martinsville, VA campus and the Institute for Advanced Learning and Research (IALR) in Danville, VA including partnership with Danville Community College (DCC). Students enrolled within the AET program will have the opportunity to choose between two tracks of study: engineering or technology*. Credits earned within either track may transfer to ABET accredited degree programs at colleges and universities upon successful completion of the program.

**Only the Engineering track will be offered at IALR for the 2014-2015 school year.*

Engineers are team leaders that plan, design and supervise engineering projects from concept to completion. The successful student should enjoy problem solving and challenged by the effort it requires.

Technology professionals work as part of a team that is engaged in a particular project or operation. Technology students prepare for practical design and applied use of tools and techniques to manage projects and solve problems.

Experiential Learning

All AET students will participate in many experiential learning activities throughout the curriculum to apply their academic knowledge to on-the-job situations. These include interactions and guest lectures with individuals in career fields of engineering, technology and advanced manufacturing; exposure to high tech industry through onsite tours; and the opportunity to apply for paid, hands-on internships with industry leaders of Southern Virginia and other parts of the Commonwealth.

Partnering Institutions



AET Benefits:

- The opportunity to earn college credits in engineering and technology courses.
- Credits may transfer to other ABET accredited universities saving up to \$8,000.
- Gain valuable knowledge and experience in careers for which employers are hiring.
- Opportunities for a paid internship within the fields of engineering and technology.

Experiential Learning Benefits:

- Earn up to \$2000: ELITE (Experiential Learning in Technology & Engineering) internships (\$1500) and/or Industry Fundamentals (\$500).
- Explore various engineering and technology career paths.
- Experience state-of-the-art engineering and technology within advanced manufacturing.
- Connect with a world-class industry for potential long-term employment.
- Gain marketable work skills for college and/or employment upon high school graduation.



For more information about the AET program, please contact:

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