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BECOME AN ENGINEERING TECHNICIAN

- Learn the difference between engineering and engineering technology and the skills required by each field.
- Train in advanced technical courses.
- Join student organizations related to engineering technology.
- Enjoy the growth and benefits of a career in engineering technology.
- Enter a training pathway that transfers to Thomas Nelson Community College, Old Dominion University, or other colleges and universities in engineering technology or related fields.

ENRICHMENT PROGRAMS HELP YOU

- Develop an Academic and Career Plan that will prepare you for GAITE's Academy for Engineering Technology.
- Understand career options in engineering technology and understand the academic preparation needed to pursue these careers.
- Experience hands-on sessions, presentations, role models, and exposure to engineering technology related programs and activities.

GAITE
GOVERNOR'S ACADEMY
Innovation, Technology and Engineering
New Horizons Regional Education Centers
520 Butler Farm Road
Hampton, VA 23666
www.nhrec.org/gaite

New Horizons Regional Education Center does not discriminate on the basis of race, color, national origin, sex, disability or age in its programs and activities. The following person has been designated to handle inquiries regarding the non-discrimination policies:
Dr. Dedra Jordan, Human Resources Director, 520 Butler Farm Road, Hampton, Virginia 23666, (757) 766-1100 Ext. 3309.

ENGINEERING TECHNOLOGY



GOVERNOR'S ACADEMY
Innovation, Technology and Engineering



In Virginia's Greater Peninsula Public School Divisions

- Gloucester County
Gloucester High School
- Hampton
Center For High Technology/IDEA
- Newport News
Heritage High School
- Poquoson
Poquoson High School
- Williamsburg
James City County Warhill High School
- York County
York High School

New Horizons
REGIONAL EDUCATION CENTERS



GOVERNOR'S ACADEMY
Innovation, Technology and Engineering

The Greater Peninsula is one of six Virginia sites, selected by the Department of Education in 2008, to implement Governor Kaine's new "Governor's Academy for Career and Technology Education." This initiative is to prepare innovators and technologists for Virginia's workforce, especially in the area of Science, Technology, Engineering, and Mathematics (STEM).

GAITE is designed to provide an academy focused on advanced academic and technical skills in each of the six Greater Peninsula school divisions. Its initial focus is in Engineering Technology: Electrical Engineering Technology and Mechanical Engineering Technology. GAITE is coordinated by New Horizons Regional Education Centers, the largest and oldest regional center in the state, and is operated by the six Greater Peninsula school divisions. GAITE involves partners from education, business, postsecondary education, and non-profit organizations.

GAITE Partners include:

- The Apprentice School
- Canon Virginia, Inc.
- Cooperating Hampton Roads Organizations for Minorities in Engineering (CHROME)
- ECPI College of Technology (ECPI)
- Greater Peninsula Career Pathways Consortium
- Greater Virginia Peninsula School Divisions
- New Horizons Regional Education Centers (NHREC)
- Old Dominion University (ODU)
- Peninsula Council for Workforce Development
- Rappahannock Community College (RCC)
- Thomas Nelson Community College (TNCC)
- Virginia Space Grant Consortium

ACADEMY BENEFITS

- GAITE Completers will be awarded a Governor's Academy for Career and Technical Education Diploma Seal.
- GAITE Completers are eligible to apply for guaranteed admission into the Thomas Nelson Community College (TNCC) A.S. Engineering Technology program, as well as submit the letter of intent for guaranteed admission into the Old Dominion University (ODU) Engineering Technology program.
- GAITE Completers may receive priority consideration for acceptance into ODU's Engineering Technology program.
- GAITE Completers may receive guaranteed admission into ECPI's Electronics Engineering Technology A.S. or B.S. degree programs based upon admissions requirements.
- Companies such as NASA Langley, The Apprentice School, and Canon Virginia strongly support GAITE Governor's Academy and recognize GAITE Completers.

ACADEMY FOR ENGINEERING TECHNOLOGY

GAITE's Academy for Engineering Technology with career pathways in Electrical Engineering Technology and Mechanical Engineering Technology is offered within each of the Greater Peninsula school divisions. These are high growth and high compensation occupations on the Greater Peninsula and for the Commonwealth of Virginia.

The Academy for Engineering Technology provides enrichment programs: Exploratory Saturdays (7th and 8th grade), Academic Preparation (9th and 10th grade); and advanced academics and technical training (11th and 12th grade). Academy courses, both academic and technical, may be offered at divisional high schools and/or at New Horizons Regional Education Centers (NHREC). Though facilitated by NHREC, the curriculum and applications are managed by each school division.



ENGINEERING TECHNOLOGY EXPLORATORY SATURDAYS — 7th & 8th grade

A regional series of three Saturday events designed to engage and inspire students to pursue careers in engineering technology and other STEM (science, technology, engineering and mathematics) fields. Events include:

- STEM themed hands-on activities (modeling and simulation, robotics, fiber optics, electronics, etc.)
- Student and parent sessions
- Interactive problem-based application activities
- Guest speakers
- Understanding of engineering and engineering technology occupations



ACADEMIC PREPARATION — 9th & 10th grade

Students in the 9th and 10th grade will have an opportunity to explore various academic and technical courses outlined in their division's GAITE career pathway. Students will participate in problem-based learning resulting in a deeper understanding of the field of engineering technology, career awareness and workforce demands. School counselors will work with students to develop a personal Academic and Career Plan to prepare them for advanced academics and technical training.

- Academic and Career Plan
- Career Planning and Exploration
- STEM Career Cluster
- Problem-based Learning

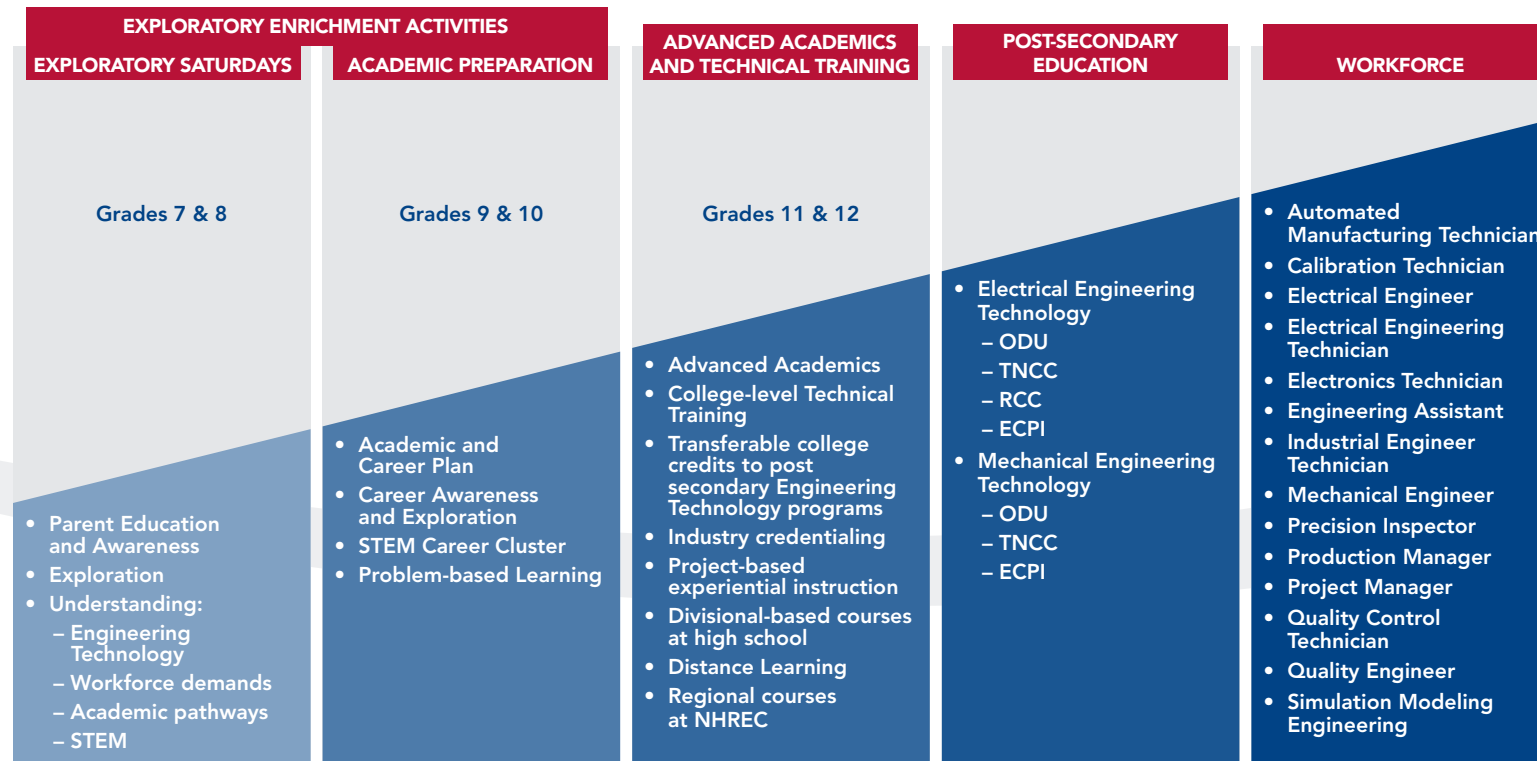


ADVANCED ACADEMICS AND TECHNICAL TRAINING — 11th & 12th grade

Advanced academics and technical training for 11th and 12th grade students focuses on electrical engineering technology and mechanical engineering technology, including:

- An academy offered in at least one high school within each Greater Peninsula school division.
- Preparation for high growth and high demand occupations with Greater Peninsula employers through a sequence of advanced technical training courses.
- Course alignment with the Engineering Technology Associate Degree programs at TNCC and transferable to ODU.
- High academic requirements: 2.5 GPA, four years of science, four years of English, Algebra II or beyond, and two years of foreign language.
- Sequence of advanced technical training courses resulting in dual enrollment and/or industry credentialing.

Academy of Engineering Technology Student Opportunities *Building Tomorrow's Workforce*



FOR CURRENT INFORMATION VISIT WWW.NHREC.ORG/GAITE

“Engineering technology skills and knowledge along with innovative thinking are critical to the efficient transformation of ‘ideas to reality’ and ‘problems to solutions’.”

S. STEWART HARRIS, JR.
Deputy Director-Engineering Directorate