

The School of Technology

PC Technology

Oracle Internet Academy

Certified Internet Webmaster

Modeling & Simulation Support
Specialist I & II

Geospatial Technology

The *FIRST* Governor's Career and Technical Academy offers a program of study through *The School of Technology* that is designed to expand options for students to acquire STEM (Science, Technology, Engineering and Mathematics) literacy and other critical skills, knowledge and credentials that will prepare them for high-demand, high-wage, and high-skill careers.

"Increasingly, our workers must strengthen their knowledge in science, technology, engineering and math to remain competitive in the global economy."

GOVERNOR TIM KAINÉ — JULY 2, 2007

The program of study for *The School of Technology* will prepare students for a seamless transition to post-secondary education and/or the workforce through:

- Integration of academics and CTE
- Monthly focus sessions
- Enhanced career planning/development
- Participation in an industry-based Completer Project
- Participation in work-based learning models
- Industry credential opportunities
- Post-secondary transition agreements



Put your future FIRST!

For more information or to obtain an application package, see your counselor or visit www.prudencenter.net.



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Industry & Technology
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The School of Technology



**Fostering
Innovation
and Relevance
through STEM
and Trades**



PRUDEN CENTER
FOR INDUSTRY & TECHNOLOGY

SUFFOLK, VIRGINIA
www.prudencenter.net

Are you interested in hardware or software? Maybe, you're interested in web applications. You may also be interested in modeling or geographic positioning. Are you creative, organized and likely to approach problems logically? If so, a career in technology may be right for you!

PC Technology

The PC Technology program is a one (1) year program that prepares students to enter the workforce upon graduation as a PC Technician and/or continue training through post-secondary education programs at the certificate, associate's or baccalaureate level to pursue advanced careers. As a component of the program, students will have the opportunity to qualify for CompTIA (Computing Technology Industry Association) A+ Certification.

Oracle Internet Academy

The Oracle Internet Academy program is a one (1) year program that prepares students for entry-level employment upon graduation and/or continue training through post-secondary education programs at the associate's and baccalaureate level to pursue advanced careers such as Database Administrator and Programmer. As a component of the program, students will have the opportunity to qualify for industry certification through the Oracle Corporation, receiving instruction in Database Design and Programming with SQL and Database Programming with PL/SQL.

Certified Internet Webmaster

The **Certified Internet Webmaster** program is a one (1) year program that prepares students for entry-level employment as a Web-site or Multimedia Design Professional and/or continue training through post-secondary education programs at the certificate, associate's or baccalaureate level to pursue advanced careers in Graphic Art or Web-site Development. As a component of the program, students will have the opportunity to qualify for the Certified Internet Webmaster — Associate Certification, which is a required step for qualifying for the Master CIW Designer Certification.

Modeling & Simulation Support Specialist I & II

The **Modeling & Simulation Support Specialist** program is a two (2) year program that prepares students to enter the workforce upon graduation as a Support Specialist and/or continue training through post-

secondary education programs at the certificate, associate's or baccalaureate level to pursue advanced careers in Engineering and Modeling & Simulation. The course offers students the opportunity to earn 15 hours of dual-credit toward a Certificate of Career Studies or Associate's of Science Degree at Tidewater Community College. The second year of the course features a semester long internship which focuses on an industry problem/concern.

Geospatial Technology

The **Geospatial Technology** program is a one (1) year program that prepares students to enter the workforce upon graduation as a Mapping or Survey Technician and/or continue training through post-secondary education programs at the certificate, associate's or baccalaureate level to pursue advanced careers such as Cartographer, Surveyor, or Engineer. The course offers students the opportunity to earn dual-credit toward a Certificate of Career Studies in Land Surveying or an Associate's Degree at Tidewater Community College.

*Applying to **The School of Technology** — FIRST Governor's Career and Technical Academy initiative can put you on the pathway to success. Ideally, planning for success begins in middle school, but it's never too late to begin planning. The chart below outlines a plan of action which will prepare you for an exciting career in technology!*

Grades 7-8	Grades 9-10	Grades 11-12	Post-Secondary Education	Workforce
<ul style="list-style-type: none"> Career Exploration Activities Exploratory CTE Courses STEM Summer Academy Development of the Secondary Component of the Career Development Plan 	<ul style="list-style-type: none"> Introductory/Pre-requisite CTE and Academic Courses Development of the Post-Secondary Component of the Career Development Plan 	<ul style="list-style-type: none"> Optional Advanced Placement/Dual-Credit Academic and CTE Courses Monthly Focus Sessions Industry Credentialing/Certification — A+, Oracle Associate, CIW Associate Work-Based Learning Experiences Participation in SkillsUSA, TSA and FBLA Activities 	<ul style="list-style-type: none"> Certificate of Career Studies Associate's Degree Baccalaureate Degree 	<p>PC Technology Program</p> <ul style="list-style-type: none"> PC Technician <p>Oracle Internet Academy Program</p> <ul style="list-style-type: none"> Database Manager Programmer <p>Certified Internet Webmaster</p> <ul style="list-style-type: none"> Webmaster Graphic Artist <p>Modeling & Simulation Support Specialist Program</p> <ul style="list-style-type: none"> Modeling & Simulation Support Specialist Designer Civil Engineering Technician Civil Engineer <p>Geospatial Technology Program</p> <ul style="list-style-type: none"> Cartographer Mapping Technician Surveying Technician Surveyor
<p>VIRGINIA CAREER OUTLOOK</p> <p>Through 2016, the Bureau of Labor Statistics projects a 38.6% increase in employment opportunities for Computer Specialists and a 41.5% increase is expected for Database Administrators. A 23% increase in employment opportunities is projected for Surveying/Mapping Technicians and a 12.7% increase is projected for Civil Engineering Technicians. Additionally, job opportunities in both civilian and military applications of Modeling & Simulation and Geographic Information Systems are expected to expand rapidly in the Hampton Roads Region!</p>				

GET SKILLED TODAY — BENEFIT TOMORROW!