

GC Tech and the Multiple Pathways Diploma



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College and Career Readiness

Vision: College and Career Readiness in NYS will ensure that *all* students who graduate high school able to succeed in postsecondary programs of study and the workforce; that they understand and demonstrate citizenship skills; and that they may meaningfully contribute to the economic and democratic well-being of our society.

Goal: By 2015, NYS will offer *all* students an established set of pathways to graduation that are grounded in the Common Core Learning Standards, are similarly rigorous, allow for student choice and have demonstrated, effective outcomes for students.

Regents Exams Required for a Regents Diploma

Current (5 exams)

- 1 Math
- 1 English
- 1 Science
- 2 Social Studies



Proposed (5 Exams)

- 1 Math
- 1 English
- 1 Science
- 1 Social Studies
- 1 Pathway Exam -- students select one of the following:
 - 2nd Social Studies
 - 2nd Math
 - 2nd Science
 - CTE
 - Humanities
 - Arts
 - STEM

Regents Pathways

- Pathways engage students at all levels of achievement and offer students an opportunity to explore arts, humanities, science, technology, math and careers.
- Pathways are aligned to college and career ready standards, while also providing technical skills and work-based learning opportunities.
- Students may take an additional, approved exam within a pathway to fulfill part of the Regents examination graduation requirement.

Arts

- Students pursuing a pathway in the arts have opportunities to explore and demonstrate learning in the performing arts, visual arts, and technical arts.
- Pathways exams will be determined by a Blue Ribbon Panel on the Arts.

CTE

- Students in the CTE pathways have opportunities to explore a number of career and technical pathways that focus on work-based learning in career and technical fields.
- Pathways exams may include approved national certification or CTE exams.

Humanities

- Students pursuing a pathway in the Humanities may focus study in languages, social studies, literature, philosophy or other social studies.
- Pathways exams may include alternative assessments in social studies, literature or languages.

STEM

- Students pursuing a STEM pathway may focus study in the sciences, technology, engineering or math.
- Pathways exams may include alternative assessments in the applied sciences, technology, engineering or math.

Timeline

If approved in January, as scheduled, the changes would take effect with the students who entered ninth grade in 2011 and are due to graduate in June, 2015.

Multiple Pathways

GC Tech can...

- **Provide a Career and Technical Education (CTE) pathway to high school graduation**
- **Encourage students to excel in different areas**
- **Provide challenging coursework and assessments for completion**
- **Provide evidence that the student is college and career ready**
- **Administer the exam necessary for the CTE pathway**

Current CTE Programs

➤ Automotive Technology

- Engine performance
- Electrical wiring
- Brake Diagnosis and Repair
- Steering and Suspension systems

➤ Computer Animation

- Animation and motion graphics
- Broadcast design
- Digital editing and DVD authoring
- 2D/3D animation and application development

➤ Cosmetology

- Foundations of hair cutting, coloring and styling
- Skin, nails and hair care
- 1,000 hours of training to apply for the NYS Board Cosmetology License

➤ Culinary Arts

- Fundamentals of baking, cooking and wait staff/hospitality
- Menu planning
- Food science
- Health and safety procedures

➤ Electrical Technology

- Reading blueprints and creating schematic diagrams
- Basic wiring and circuitry
- Alternate power sources
- Motors and generators

➤ Graphic Arts

- Designing and creating graphics
- Website design
- Advertising and marketing
- Printing and production

➤ Medical Assisting

- Entry level skills in administrative and clinical areas
- Simulate medical charts and patient history
- Participate in a 15-week internship at NUMC

➤ Police Science / EMT

- Criminal laws and procedures
- Crime scene investigation and forensics
- Emergency Medical Technician, security guard and dispatching instruction

GC Tech Video

Please visit our website to watch the video

GC Tech Information

- **ALL programs are approved by SED to provide CTE endorsed high school diplomas.**
- **ALL programs offer Articulation Agreements.**
- **Integrated academic credit is approved for all programs if the student completes two years.**
- **Highly qualified teachers and support staff provide a multitude of resources for students.**
- **Some programs offer modified curriculum for special needs students.**
- **Provides opportunities for Internships/Work-based learning.**
- **Fulfills CDOS requirements.**

2014 Program Statistics

- 183 Graduates
- 79% - Graduates attending a college or trade school
- 21% - Graduates who secured full time employment or enlisted in the military

CTE Diploma Endorsement



- Pass NOCTI Exam
- (National Occupational Competency Testing Institute)
- 77% or greater CTE average
- Good attendance
- Work/Industry experience
- Seals for diplomas are sent to Principals

Potential Plans for New Courses

- Network Cabling Technician/Home Technology Integration (HVI) (home security/lighting, video/audio equipment)
- Construction Trades (basics of plumbing, electric, general carpentry, masonry)
- Modify existing curriculum to incorporate current trends
 - Green Technology
 - Robotics/Engineering

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Financial & Trend Information

	Actual 2011/2012 Amount	Actual 2012/2013 Amount	Actual 2013/2014 Amount	Actual 2014/2015 Amount
Trend information				
Total Students	415	385	390	385
Out-of-district	191	175	183	161
In-district	224	210	206	224

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Financial & Trend Information

	Actual 2011/2012 Amount	Actual 2012/2013 Amount	Actual 2013/2014 Amount	Anticipated 2014/2015 Amount
Total Program Costs	3,466,475	3,622,276	3,541,069	3,321,314
Total Revenue	2,631,433	2,463,374	2,612,253	2,294,552
Net Program Cost	835,042	1,158,902	928,817	1,026,762

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Financial & Trend Information

	Actual 2011/2012 Amount	Actual 2012/2013 Amount	Actual 2013/2014 Amount	Projection 2014/2015 Amount	Loss of 50% 2014/2015 Amount
In District Students	224	210	206	224	224
Cost Per ID Student	3,728	5,519	4,509	4,584	9,536
BOCES Cost Per Student after aid	7,048	7,153	7,440	7,366	7,366
Current benefit to keep in-house	3,320	1,635	2,931	2,782	(2,170)
Savings for all in-district students	743,710	343,270	603,823	623,132	(486,082)

Please be aware that the BOCES Aid ratio is changing which may have an negative impact on the cost of the program. Some districts may opt to send students to BOCES in order to take advantage of the aid and Tax Freeze implications.