



The TAACCCT Program

A tool for promoting Economic Development in the Athens area

Presented by the Athens Technical College TAACCCT Team



ATHENS
TECHNICAL
COLLEGE

AN ACHIEVING THE DREAM COLLEGE

Today's Goals

Learning
all about
the
TAACCCT
Program
and its
benefits.



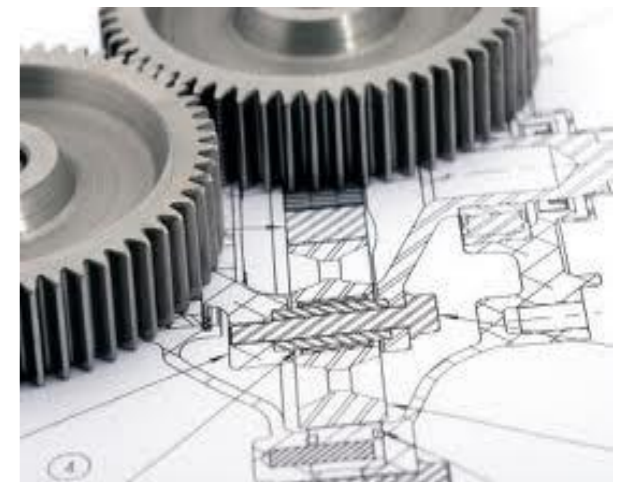
What is the TAACCCCT program?

- Authorized by the American Recovery Reinvestment Act (ARRA).
- Partnership between DOL and Dept. of Education
- Provides funds to improve education delivery and career training programs (2 years or less)
- Prepares participants for employment in high –wage, high-skill occupations.
- ATCx3 Consortium grant award \$13,559,500.00
- **Athens Tech** to develop Engineering Technology Program
- **Albany Tech** to enhance existing Engineering Technology Program
- **Atlanta Tech** to develop Engineering Technology Program

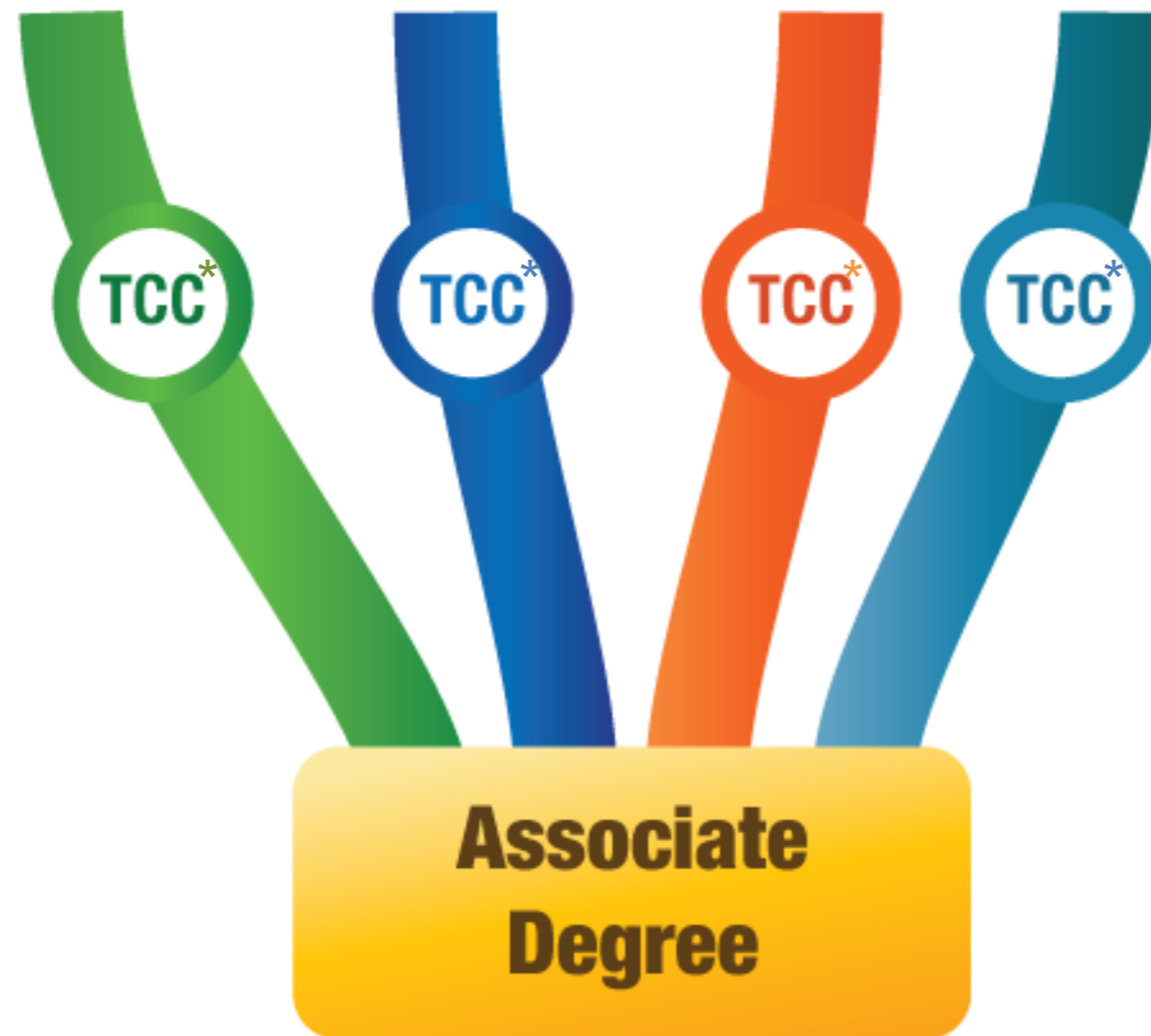


Engineering Technology Program @ Athens Technical College

Engineering Technology utilizes the principles and theories of **science, engineering, and mathematics** to solve technical problems in **research and development, manufacturing, sales, construction, inspection, and maintenance.**



Engineering Technology Pathways



*Technical Certificate of Credit

Nanotechnology

Technicians:

- Use special instruments and techniques to help chemists and chemical engineers in researching, developing, and producing chemical products, pharmaceuticals, and processes
- Provide quality control and quality assurance for products in a manufacturing setting
- ❖ Ideal program for students who enjoy chemistry, life sciences more than traditional engineering

Program Focus:

- ❖ Lab scale/meso scale instrumentation
- ❖ Metrology
- ❖ Material Science
- ❖ QC/QA

Environmental Engineering

Technicians:

- Assess land sites through surveying and soil analysis, and help provide feedback and consultation during construction as well as day to day operations (similar to civil engineering technicians)
- Test, operate, and, if necessary, modify equipment for preventing or cleaning up environment pollution
- Work closely with industry to implement safety procedures and green practices

Program Focus:

- ❖ Surveying
- ❖ Water/Waste Management
- ❖ Safety

ElectroMechanical Engineering

Technicians:

- Combine knowledge of mechanical technology with knowledge of electrical and electronic circuits
- Program many of the automated control systems within production and manufacturing process
- Install, troubleshoot, repair, and upgrade electronic and computer-controlled mechanical systems, such as robotic assembly machines

Program Focus:

- ❖ PLCs
- ❖ Controls
- ❖ Automation
- ❖ Mechatronics

Mechanical Engineering

Technicians:

- Help design, develop, test, and manufacture industrial machinery, consumer products, and other equipment
- Estimate labor costs, equipment life, and plant space
- Test, inspect, and repair equipment or work with engineers to eliminate production problems
- Help in the creation and design of new parts, equipment, and products

Program Focus:

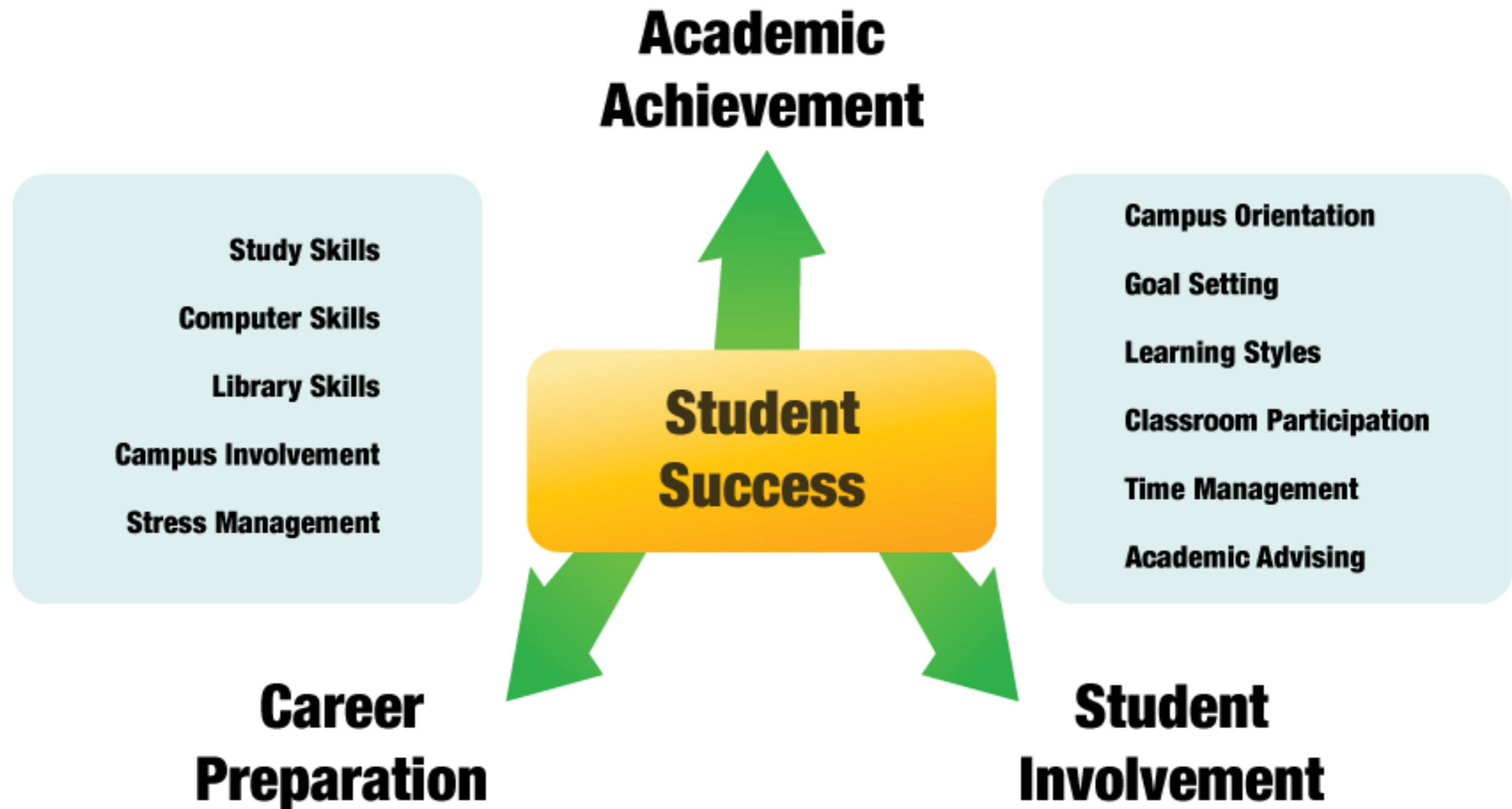
- ❖ Hydraulics
- ❖ Pneumatics
- ❖ Motors
- ❖ Maintenance
- ❖ Design
- ❖ Machining

Engineering Basics Technical Certificate of Credit (TCC)

- Includes courses that accent “soft skills” necessary for career success.
- Introduction to Engineering Technology course begins the creation of the “Engineering Portfolio”.
- The TCC qualifies students for internships, co-ops, and entry level engineering technician positions.



Ensuring Student Success : Achievement Coaches



Challenges to Student Success!!



Available Funding...

- 💰 Workforce Investment Act (W.I.A.)
- 💰 Trade Adjustment Assistance (T.A.A.)
- 💰 HOPE & PELL Grants
- 💰 Veterans Benefits (Montgomery G.I. Bill & Post 911 Benefits)
- 💰 Veterans Retraining Assistance Program (V.R.A.P.)

Available Resources to consider...

- Student Achievement Coaches
- One on One Academic Advising
- Prior Learning Assessments (PLA)
- Flexible class schedules (online classrooms)
- Student Supportive services (i.e: tutoring, child care, transportation...)

Engineering Technology Program Timeline & Needs

Engineering Basics Technical Certificate of Credit (T.C.C.)

- **Fall Semester 2013!!**

Student enrollment / registration – **HAPPENING NOW!**

Engineering Technology Advisory Board- **Industry employers needed!**

Engineering Technology Associates Degree Program – **Spring 2014**

Student Internship opportunities - **Industry employers needed!**

Employment for ET program graduates- **Employment opportunities needed!**

Questions

WHERE? ? How?
ME? ? Are you sure?
How? ? How? What?
Why? ? WHERE?
WHEN?



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