

Is Nanotechnology a Good Fit for You?

If you enjoy being on the cutting edge of innovation; enjoy figuring out how materials can be created, strengthened, and improved; and like using microscopes and other innovative lab equipment, then this career is a great fit for you. Nanotechnology is an ever-progressing field that combines the current fields of chemistry, material science, and engineering with new technologies and discoveries at the molecular level to create and enhance materials. Our program provides foundational skills and experience to prepare students for success within a range of related careers.

Beyond the Classroom: Employment Opportunities for Nanotechnology

Chemical Technicians use special instruments and techniques to help chemists and chemical engineers research, develop, and produce chemical products and processes.

Median pay: \$42,920 per year*

Quality Control Inspectors examine products and materials for defects or deviations from specifications.

Median pay: \$34,460 per year*

Process Technicians help design, control, operate and troubleshoot specialized processes central to the business activities of their employer.

Median pay: \$38,000**

*SOURCE: Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook

**SOURCE: Indeed.com. <http://www.indeed.com/salary/Process-Technician.html>

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As set forth in its student catalog, Athens Technical College does not discriminate based on race, color, creed, national or ethnic origin, gender, religion, disability, age, political affiliation or belief, veteran status, or citizenship status (except in those special circumstances permitted or mandated by law). Address inquiries to the following persons at 800 U.S. Highway 29 North, Athens, GA 30601-1500:

- Title VI, Title VII, and Title IX Coordinator: Director of Human Resources, Room K514, (706) 583-2818
- Section 504 and ADA Coordinator: Director of Student Support Services and Career Development, Room H748, Athens Campus, (706) 355-5081

Contact Information:

 (706) 583-2715

 engtech@athenstech.edu

Find us on Facebook:

<http://www.facebook.com/ATCEngineeringTechnology>



GET YOUR CAREER STARTED IN

NANOTECHNOLOGY



ATHENS
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COLLEGE

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ATHENS
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AN ACHIEVING THE DREAM COLLEGE

Careers in Nanotechnology

Careers in nanoscale science and technology touch diverse fields and have a direct impact in research, health, technology and manufacturing.

Nanoscience refers to the behavior and properties of materials in a molecular scale. Applications can be found in the design of medical diagnostic devices, semiconductors, and cosmetics, among others. Nanotechnology program graduates are in high demand. You will find companies offering good salaries and exciting work opportunities.

The Education: Hands-on Technology-based Training for Evolving Industry

Our program is designed to promote critical thinking ability by providing hands-on training on cutting edge equipment and techniques used in the industry. This approach develops a foundation of skills that are applicable to a range of employment opportunities in the materials and biotechnology industries, equipping students for a dynamic and evolving job market.

Programs Available:

Associate Degree	Credit Hours
Nanotechnology (NA13)	68
Technical Certificate	Credit Hours
Engineering Technology Basics (EBT1)	20
Nanotechnology Technician (NT51)	30

See online catalog for more in-depth descriptions at www.athenstech.edu

Nature of Work

Nanotechnologists use special instruments and techniques to assist in researching, developing, and producing products and processes. They also inspect products and processes in order to ensure quality control. Nanotechnologists enter the workforce as material science technicians or chemistry lab technicians, but opportunities for career growth also include quality control/quality assurance management positions. Employment opportunities exist with textile, paint and coating, polymer, materials, biomedical, and pharmaceutical companies.

Occupational Trends



Employment of nanotechnology technicians and related occupations is expected to grow around 8% over the next decade. However, this industry is rapidly growing, and is intertwined with other science and engineering fields, requiring highly skilled technicians capable of integrating material science with chemistry and engineering to quickly further the field.



General Information: Academic Advising

Academic advisors help you identify what you want to do and help you reach your goals. To schedule an appointment, please contact the Academic Achievement Coach Coordinator via phone: (706) 357-1202 or email: aac@athenstech.edu.

Admissions Requirements

- Step 1: Complete and submit an Application for Admission and pay a \$20 non-refundable application fee.
- Step 2: Provide appropriate placement test scores (COMPASS, ASSET, SAT, or ACT).
- Step 3: Submit ALL official transcripts for high school or GED, as well as all colleges attended.
- Step 4: Provide proof of legal presence in the United States (state issued ID, passport, etc.) and state residency (Georgia driver's license, voter registration card, state taxes, etc. all showing at least 12 months of residency).
- Step 5: Contact the Nanotechnology Program chair at (706) 583-2715.

Financial Aid

Athens Technical College offers several types of financial assistance to help qualified applicants pay for their education. Funds are available through the Federal Pell Grant, the Federal Supplemental Educational Opportunity Grant, Federal Work-Study, and the Georgia HOPE programs.

Students may also receive assistance through the Workforce Investment Act operated by the Georgia Department of Labor or the Veterans Educational Assistance Program administered by the Department of Veteran's Affairs.