



NEXTECH
Industrial
Academy

www.nextechacademy.org

NexTech Academy is a community and industry focused service. Its purpose is to bridge the gap between faith and industry, offering comprehensive training in keeping with current market demands in an environment that builds our students' faith and integrity at no cost.

We have an unwavering dedication to providing high-quality education and skills development to individuals seeking careers in the manufacturing industry by offering precision machining training and comprehensive manufacturing skills.

NexTech is a registered 501(c)(3) nonprofit entity, specifically a public charity. This means NexTech is exempt from Federal income tax and can accept tax-deductible bequests and gifts. We humbly solicit your consideration to partner with us in this great work. Please find enclosed a description of our coursework and an explanation of our anticipated outlays as we seek to grow this work.



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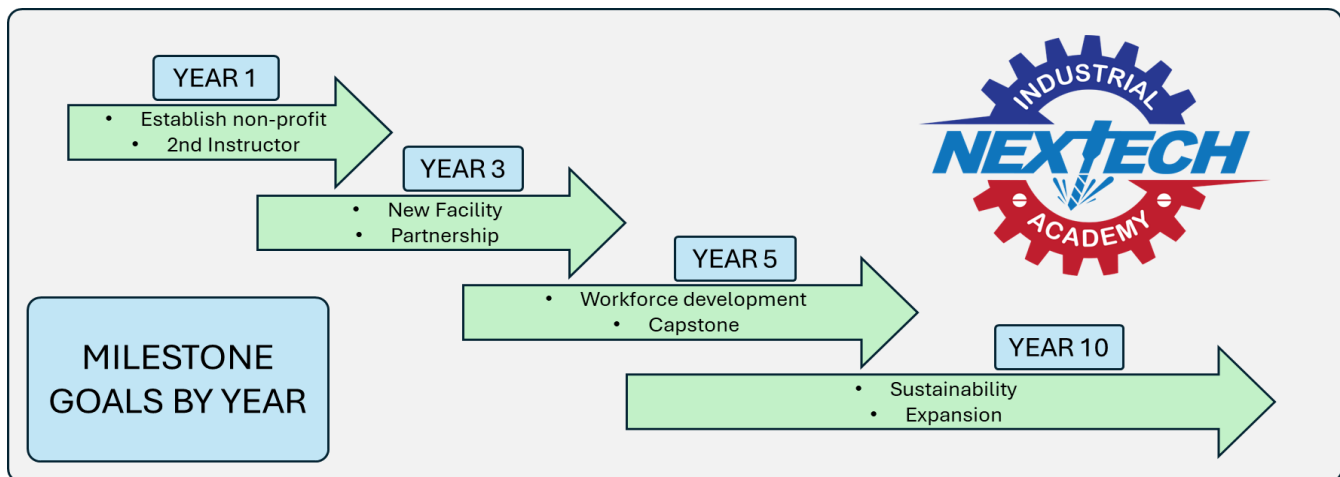
Mission	<ul style="list-style-type: none"> • Successfully bridge the gap between faith and industry. • Provide barrier free, precision machining and skilled manufacturing to the community at no cost.
Students	<ul style="list-style-type: none"> • Students aged 15-60 • 20 students • From all socioeconomic backgrounds • No vocational training available in our area
Curriculum	<ul style="list-style-type: none"> • CNC/Manual Machining • Geometric Tolerancing and Blueprint reading • Fabrication • CAD/CAM modeling w/online Titans of CNC Academy
Graduates	<ul style="list-style-type: none"> • Workforce Ready • competitive wages • Highly sought after for employment • Paid apprenticeships • JPM Industries (aerospace), Dews Foundry, and others
Current space	<ul style="list-style-type: none"> • 3500sq ft shop floor space • 20 seat classrooms at • 10 CNC machines and 5 manual machines • Operational time 25 hours a week
Limitations	<ul style="list-style-type: none"> • Limited Floor space • Another Qualified Instructor • Legislation for broader reach into other public schools and credentials • More modern equipment with broader applications • Hours of Operation • Buildable area to expand in current location
Opportunities	<ul style="list-style-type: none"> • Owned undeveloped build site = New Construction • Additional instructor = more students served and workforce ready • New Equipment = Broader/Modern application and experience



NEXTECH INDUSTRIAL ACADEMY

Executive Summary

NexTech Academy is a precision machining training institution dedicated to providing high-quality education and skills development to individuals seeking careers in the manufacturing industry. It is a ministry of the Kensington Woods Church of Christ. Our mission is to bridge the gap between Faith and industry by offering comprehensive training programs that align with current market demands in an environment that is conducive to building their faith



1-Year Plan

YELLOW = COMPLETED

GREEN = CURRENTLY ACHIEVING

Key Objectives:

- Establish Non-profit:** Establish a board of directors*. Create and register 501c3 non-profit organization. *
- Secure funding:** Develop a detailed funding proposal to actively seek investment from potential sources, including product development, manufacturing partners, church investors, and various grants.
- Recruit an additional instructor:** Identify* and hire another qualified instructor with an evangelistic drive to expand our teaching capacity and course offerings.
- New facility:** Determine facility needs based on immediate and future goals.

Strategies:

- Network extensively:** Attend industry conferences, trade shows, and industry networking events to connect with potential investors, partners, and industry leaders.
- Leverage online platforms:** Utilize social media and online job boards such as LinkedIn to reach a wider pool of potential investors, instructors and mentor partners.

Develop a strong value proposition: Clearly articulate the unique benefits of our training programs and how they address the needs of both students and employers. Detailing the benefits of an education that's rooted in a dynamic that's not solely built on learning a skill but on how to teach and train comprehensively those around them.



NEXTECH INDUSTRIAL ACADEMY



3-Year Plan

Key Objectives:

- **Acquire or build a new facility:** Identify a suitable location and secure the necessary resources to establish a modern and well-equipped training facility.*
- **Acquire specialized machines:** Invest in state-of-the-art equipment and machinery to provide students with hands-on experience and prepare them for real-world job requirements.
- **Develop comprehensive Local partnerships:** Develop solid relationships with local public, private and homeschool entities to capture the segment of their base or demographic that we can serve.
- **Curriculum growth:** Implementation of capstone educational program and goals to include metrology, industrial maintenance, and mechatronics (robotics).

Strategies:

- **Scalability analysis:** Analyze market demand, potential revenue streams, utilizing Industry contacts.
- **Explore financing options:** Investigate various financing options, including loans, leases, product development for sale and government incentives, to support the acquisition or construction of the new facility.
- **Build partnerships with equipment suppliers:** Collaborate with industry leaders to negotiate favorable terms for the purchase of machines and equipment. Identify specialized machines and equipment to support the capstone initiative.

5-Year Plan

Key Objectives:

- **Establish a Workforce Development program:** Strengthen partnerships with local businesses and industries to develop tailored training programs that address their specific workforce needs.
- **Create a sustainable business model:** Implement strategies to generate consistent revenue and minimize operating costs, ensuring the long-term viability of the institution.

Strategies:

- **Foster industry partnerships:** Actively seek broader collaborations with companies to provide internships, apprenticeships, and job placement opportunities for students.
- **Diversify revenue streams:** Explore additional sources of income, such as corporate training, consulting services, and product sales.



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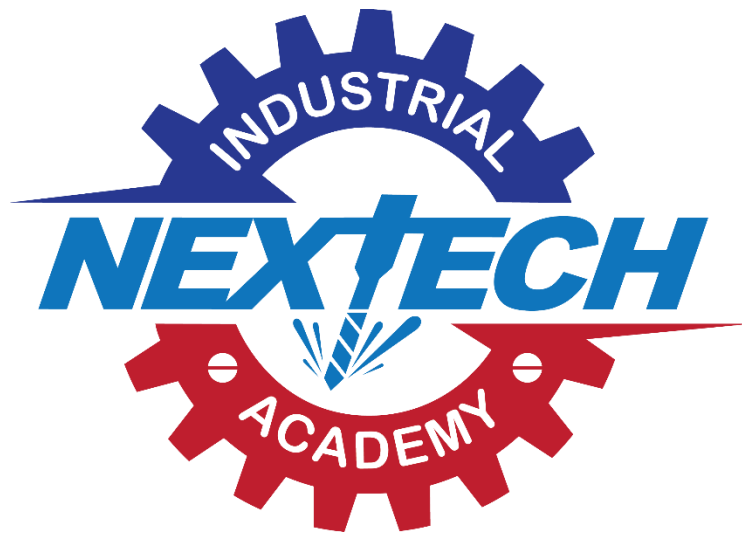
10-Year Plan

Key Objectives:

- **Become self-sustaining:** Achieve financial independence and establish a strong reputation as a leading provider of vocational training.

Strategies:

- **Expand course offerings:** Continuously update and expand our curriculum to meet evolving industry trends and student needs.
- **Invest in research and development:** Support faculty research and innovation to stay at the cutting edge of industry advancements.
- **Build a strong alumni network:** Foster connections between graduates and the NexTech Academy to facilitate networking, mentorship, and career advancement.



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To clearly define the significant progress, give an overview, and describe the barriers we have at the NexTech Academy. Our innovative curriculum and commitment to quality education, and primarily faith, have resulted in a strong demand for our program.

We have successfully created a pipeline of skilled talent that meets the needs of our industry, bridging the gap of faith in a new and exciting way. Our students have consistently demonstrated a high level of proficiency in their chosen fields, and we are now able to start supplying the workforce with qualified individuals.

Our curriculum is designed to equip students, primarily between the ages of 15 and 60 providing students with the essential skills and knowledge required for success in the precision machining field. Our curriculum is divided into yearlong semesters, running from September until May. On an average week, the students receive between 15 to 20 hours of instructional time. The junior class students have more limited shop time, which accounts for the variation in hours; however, they benefit from personalized instruction provided by the senior class students. Meanwhile, the seniors dedicate their time to mentoring the juniors in addition to attending their own classes. Our workforce development class is centered around rapid entry into the workforce, with an aggregate of skillsets tailored to the industry's needs.

1. The first year introduces students to the fundamentals of machining. Basic machining and setup practices, manual milling and lathe operations. Geometric tolerance blueprint reading.
2. The second year delves into CNC machining: Basic CNC operations set up and conversational programming familiarize students with the work coordinate systems, tool length and work offsets, focusing on CAD, CAM modeling, and additive manufacturing. Preparing students for cutting-edge technologies and an eye towards process improvements, metrology and mechatronics integrations
3. The Workforce development engages the student rapidly into the necessary skillset to be able to enter the workforce with the skillsets and fundamentals to be successfully employed in a manufacturing environment.

We're actively forging strong partnerships with industry leaders to build a solid capstone program. This collaboration will not only provide our students with a solid foundation in the fundamentals of their field but also offer them invaluable opportunities to connect with industry professionals, explore potential career paths, and gain practical experience. By aligning our curriculum with current industry

demands and anticipating future trends, we aim to equip our students with the skills and knowledge they need to become leaders and innovators in their chosen fields.

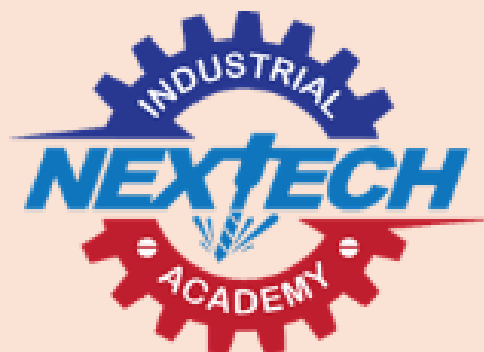
We are committed to maintaining the highest standards of education and ensuring that our students receive the personalized attention warranted and deserved. Due to the overwhelming demand for our programs and shop floor space we are currently at a capacity of 12 students, including senior and junior classes, and cannot accommodate additional students.

Currently, several barriers impede our progress:

- primary funding
- additional instructor
- facilities/equipment
- legislative action

As our graduates enter the workforce, they will not only possess exceptional technical skills but also embody the values of character, quality, loyalty, and devotion on many levels. They will be uniquely qualified to contribute to the industry and become invaluable assets to their employers.

We look forward to the opportunity to expand our reach and make a lasting impact on the future of our industry with integrity in a unique way.



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Barriers to Growth

NexTech Academy

I. Physical

II. Financial

III. Legislative

IV. Logistical

Equipment

Facilities

- 1. Administrator 60k
- 2. 2nd Instructor 75k

- 1. Budgetary Line Item
- 2. School Credit Towards Graduation
- 3. Clear Up Contradictory Labor Laws
- 4. Accreditation
- 5. Laws for Business-Friendly Practices

- 1. Solicit New Business
- 2. Form local business consortium
- 3. Capstone metrology/mechatronics

- 1. 5 Axis 200k
- 2. Lathe w Live Tooling and Sub spindle 200k
- 3. Proto Trak Lathe 2@60k
- 4. Knee Mills with G2 Controls 2@45K
- 5. Haimer Heat shrink tooling 25k
- 6. Advanced tooling cutters, taps, inserts etc 15k
- 7. CMM machine 125k

- 1. Storage facility for forklift, etc. 20k
- 2. Repave parking lot/ add spaces
- 3. 10,000 sq. ft. new facility expansion 750k

Categorical Priorities

- I. 5 Axis 200k
- II. 2nd Instructor 75k
- III. Budgetary Line Item
- IV. Solicit New Business