PROGRAM OF STUDIES

REGION 10
TECHNICAL HIGH SCHOOL

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Welcome to Region 10 Tech

Career & Technical Education

At Region 10, technical education sparks passion, sharpens skills, and builds a foundation for success. Our hands-on programs in engineering, healthcare, information technology, and skilled trades prepare students for college, careers, and entrepreneurship in today's evolving workforce. Through real-world training and industry-relevant experience, students gain the specialized skills employers seek. Thinking about career paths in high school is a smart investment, helping students identify strengths, set goals, and make informed choices for the future. Discover the endless opportunities at Region 10 and take the first step toward your future today!

At Region 10, technical education sparks passion, sharpens skills, and lays the foundation for limitless opportunities. Whether you're drawn to engineering, healthcare, information technology, or skilled trades, our dynamic programs prepare students for success in the rapidly evolving 21st-century workforce.

We take pride in offering a rich and engaging educational experience that blends hands-on training with real-world knowledge. Our diverse programs are designed to meet the needs and aspirations of students, providing a direct pathway to higher education, rewarding careers, or entrepreneurial success.

Career and Technical Education (CTE) holds immense value in today's world, offering students the chance to explore their interests, develop specialized skills, and gain industry-relevant experience. Employers seek professionals with both academic knowledge and practical expertise—qualities that Region 10 students cultivate every day.

Starting to think about career paths in high school is a strategic investment in the future. It helps students identify their strengths, refine their goals, and make informed choices about education and career opportunities. Whether entering college, stepping into the workforce, or launching a business, the skills and knowledge acquired through technical education serve as a strong foundation for lifelong success.

We invite you to explore the wide range of programs available at Region 10 and discover where your future can take you. The possibilities are endless—let us help you turn your aspirations into achievements.

In the dynamic landscape of CTE education, students are the architects of their own futures, building bridges to careers that align with their passions and aspirations.

FOLLOW US ON

Career & Technical Education

Career & Technical Education (CTE) offers a dynamic approach to learning that combines hands-on experiences with academic rigor, making learning both relevant and dynamic. By providing students with practical skills, industry-aligned knowledge, and opportunities for real-world application, technical education equips them for success in both college and career.

Technical education plays a pivotal role in preparing students for a rapidly evolving workforce by emphasizing hands-on learning and practical skill development. Unlike traditional academic settings, technical education programs immerse students in real-world scenarios, providing them with opportunities to apply theoretical knowledge to tangible projects. By prioritizing hands-on experiences, technical education fosters a deep understanding of concepts and cultivates essential skills that are highly valued in various industries. Whether students are learning about electrical technology, automotive mechanics, or computer programming, the emphasis on practical application ensures that learning remains relevant and dynamic.

In technical education, relevance is key. Courses are designed to align with industry standards and current practices, ensuring that students are equipped with the latest skills and knowledge demanded by employers. This real-world relevance not only makes learning more engaging but also increases students' employability upon graduation. By working on projects that simulate actual workplace scenarios, students gain valuable experience and confidence in their abilities, preparing them for successful careers in their chosen fields.

Research has shown that participation in Career and Technical Education (CTE) programs significantly impacts students' academic and career outcomes. Studies have found that students who engage in CTE are more likely to complete college if they choose to pursue further education after high school. This success can be attributed to the strong foundation of practical skills and knowledge acquired through technical education, which enhances students' academic performance and perseverance. Additionally, CTE graduates often enter the workforce with higher average salaries compared to their peers who did not participate in such programs. This higher earning potential reflects the value placed on the specialized skills and certifications gained through technical education, which are in high demand across various industries.

Furthermore, the hands-on nature of technical education fosters a deeper understanding of concepts and promotes critical thinking and problem-solving skills. Students learn by doing, engaging in activities that require them to troubleshoot, innovate, and collaborate with their peers. These practical experiences not only reinforce academic learning but also instill essential soft skills such as communication, teamwork, and adaptability, which are crucial for success in today's dynamic work environment.

MYTHBUSTER VIDEO

Evidence compiled by the Department of Ed ucation has proven the myriad benefits and successes of CTE programs. Through CTE, students gain practical skills, industry certifica tions, and hands-on experiences that propel them toward success in both education and the workforce.


In technical education, **relevance is key.**

Credits & Concurrent Enrollment

HIgh School Credits

Mt. Ararat High School, Brunswick High School, and Freeport High School have entered into an agreement to grant three high school credits annually for completion of any Region 10 Technical High School program with successful outcomes. This collaborative initiative underscores our commitment to providing comprehensive educational opportunities and recognizing the valuable skills and knowledge acquired through technical education. Through this partnership, students have the opportunity to earn credits that contribute to their academic advancement and future success, bridging the gap between technical training and traditional high school curriculum.

Concurrent Enrollment

Concurrent enrollment refers to a program where high school students have the opportunity to enroll in college-level courses while still completing their high school education. These courses are typically offered either at the high school campus or on the college campus itself. Students earn both high school and college credit for successfully completing the coursework.

The benefits of concurrent enrollment courses for students are numerous:

College Credit: Students can earn college credit while still in high school, allowing them to get a head start on their college education and potentially graduate from college earlier.

Cost Savings: Concurrent enrollment courses are often more affordable than regular college courses, saving students and their families money on tuition and fees.

Rigorous Academic Experience: Concurrent enrollment courses provide students with a challenging academic experience that prepares them for the rigors of college-level coursework.

Smooth Transition to College: By taking college-level courses in high school, students gain valuable experience with college-level expectations, academic rigor, and time management skills, making the transition to college smoother and more successful.

Exploration of Academic Interests: Concurrent enrollment courses allow students to explore different academic subjects and career paths before committing to a specific college major or career.

Increased Confidence: Successfully completing college-level coursework in high school boosts students' confidence in their academic abilities and motivates them to pursue higher education and career goals.

Overall, concurrent enrollment courses provide students with an invaluable opportunity to accelerate their academic and career development, saving time and money while preparing them for future success in college and beyond.



R10 TECH PROGRAMS THAT OFFER CONCURRENT ENROLLMENT

Auto Technology
Early Childhood Education
Certified Nursing Assistant (C.N.A.)
Emergency Medical Technician (E.M.T.)
Creative Digital Media
Culinary Arts
Building Trades
Engineering & Architecture
Electrical Technology

Opportunities for Excellence

At Region 10, we believe that recognizing excellence in school not only honors individual achievement but also encourages those who consistently demonstrate outstanding effort to persist on their path of success. Through initiatives like Student of the Quarter, SkillsUSA, and National Technical Honor Society, we celebrate and support the dedication and commitment of our students to continuous growth and excellence.



Student of the Quarter

At Region 10, our commitment to recognizing excellence extends to every program in our school community. Through a time honored tradition, each program selects one Student of the Quarter, spotlighting individuals who exhibit outstanding academic performance and skills achievement. These exceptional students, celebrated for their dedication, hard work, and exemplary contributions to their respective programs, serve as beacons of inspiration for their peers. Their achievements are not merely acknowledged but celebrated at a special breakfast event, attended by family, instructors, administrators, and esteemed guests. This tradition not only fosters a culture of achievement and excellence within our school community but also serves as a powerful motivator for all students to to reach new heights in their academic and technical pursuits.

National Technical Honor Society

The National Technical Honor Society (NTHS) recognizes and honors students who demonstrate excellence and dedication in their technical and vocational studies. Inductees into NTHS exemplify the highest standards of skill, leadership, and character, and are committed to pursuing careers in technical fields. Through NTHS, students have the opportunity to network with industry professionals, participate in service projects, and access scholarships and career development resources, preparing them for success in their chosen professions. NTHS celebrates the achievements of students who excel in technical education and inspires others to strive for excellence in their own pursuits.

Skills USA Competitions

SkillsUSA competitions offer students a unique platform to showcase their skills, creativity, and expertise across a diverse range of technical and vocational fields. These competitions provide hands-on experiences that challenge students to apply their knowledge in real-world scenarios, fostering critical thinking, problem-solving, and teamwork skills essential for success in the workforce. From automotive technology to culinary arts, welding to graphic design, SkillsUSA competitions encompass a wide array of trades and professions, allowing students to explore their interests and passions while honing their craft. Participants not only gain valuable experience and industry-specific certifications but also have the opportunity to network with professionals, educators, and peers, laying the foundation for future career opportunities. SkillsUSA competitions embody the spirit of excellence, innovation, and camaraderie, empowering students to unleash their full potential and embark on pathways to rewarding careers.


NTHS
SkillsUSA

How to Apply to Region 10

It's as simple as 1,2,3

APPLICATION WINDOW OPENS IN JANUARY FOR FOLLOWING SCHOOL YEAR

If you find a program that interests you, we encourage you to apply to Region 10 Technical High School. Understanding the three steps required for successful enrollment and knowing when to apply to the school is essential.

1

SUBMIT ONLINE APPLICATION

Complete the brief online application at www.r10tech.org. Submission of this form will send an e-mail to parents requesting their signature. Thus, the parent's e-mail address is needed for this form.

2

VISIT THE SCHOOL & MEET INSTRUCTOR

Once your application is received, you'll be invited to visit our school. **Your application becomes valid only after meeting with the program instructor.** Your guidance counselor will arrange this visit

3

APPLICATION CONSIDERATION PROCESS

After your school visit, our Administration, in coordination with your guidance counselor, will evaluate if Region 10 is the right fit for you. You will be notified by mail.

EARLY CONSIDERATION

Due to our low student-to-teacher ratio, our classes tend to reach capacity rapidly. If you were waitlisted last year or are genuinely committed to securing a spot in a program at Region 10, we encourage you to submit your application early for Early Consideration. During a brief window from mid-November to early December, we accept early consideration applications, which often receive priority consideration as they demonstrate a strong commitment from the student.



Within each promising horizon lies the echo of a solitary stride forward.

Foundations of Technology



Ward Boudreau
Instructor
Building Trades

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APPLY NOW



REGION 10
TECHNICAL HIGH SCHOOL

FOUNDATIONS OF TECHNOLOGY



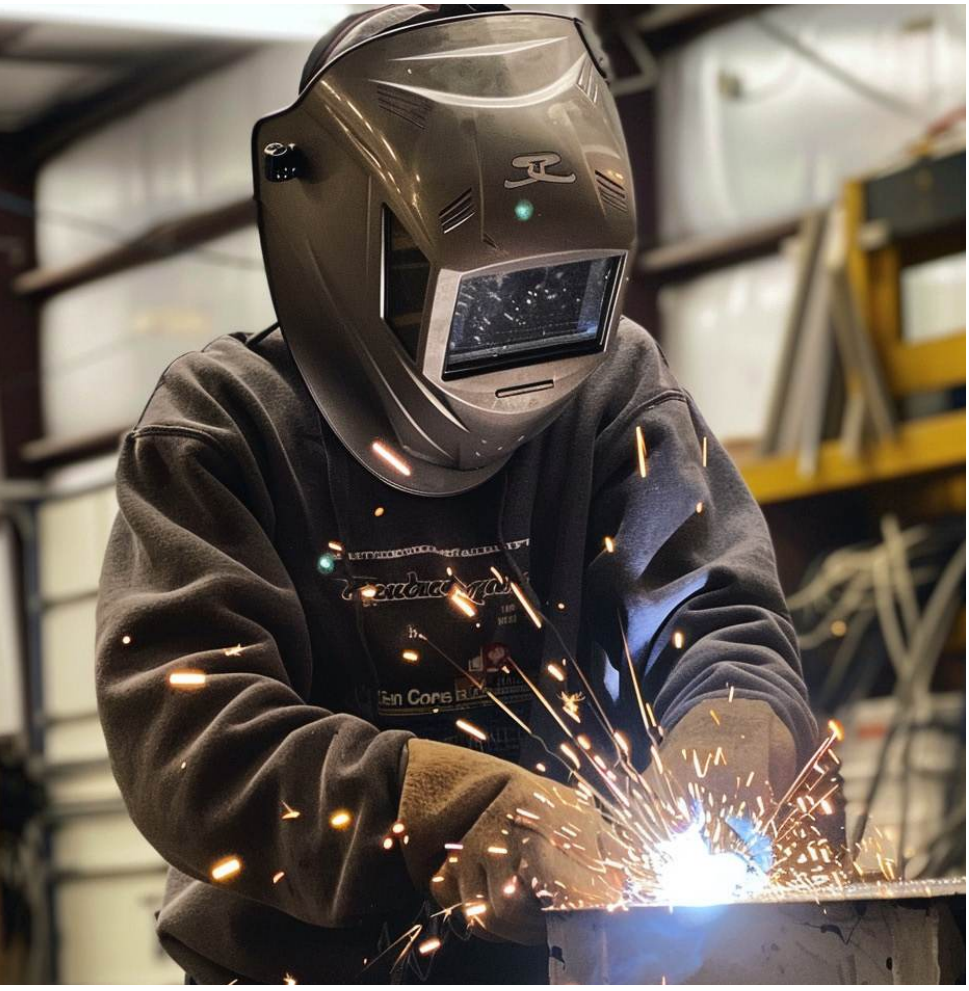


Foundations of Technology

Welcome to Foundations of Technology, an engaging introductory program tailored for ninth graders. Through hands-on activities and a year-long curriculum, students explore various career paths like welding, auto repair, carpentry, health sciences, culinary arts, and electrical technology, gaining practical skills and valuable insights for their future endeavors at Region 10.

Foundations of Tech. offers an innovative approach for ninth graders who desire a thorough introduction to Region 10's diverse offerings so they can make an informed decision about future acareer paths. Through a year-long curriculum, students engage in a dynamic exploration of various professions, including health sciences, culinary arts, automotive technology, metal fabrication, early childhood education, and digital media. This immersive experience not only familiarizes students with industry-standard tools and technologies but also instills essential skills in industrial safety, hand and power tools, and relevant mathematics and writing techniques, such as measuring, fractions, and estimating. Emphasizing hands-on learning, Foundations allows students to delve into diverse professions through interactive activities, enabling them to gain practical insights and "try on" different roles within these fields. Students enrolled in Foundations will also participate in their social studies curriculum at Region 10, dividing their day between the Foundations program and dedicated social studies instruction. Whenever feasible, the social studies curriculum will align with workplace-related themes and issues, enhancing students' understanding of the practical applications of their studies.

Exploring Career Pathways



Foundations of Technology serves as the starting point for students to explore potential career paths, offering them the opportunity to sample the diverse range of technical programs available at Region 10 Technical High School

Beginning to consider career paths in ninth grade can profoundly shape future success. At this pivotal stage, students can explore their interests, discover their strengths, and make informed decisions about their educational and professional aspirations. The Foundations of Technology program at Region 10 provides students with the ideal platform to embark on this journey of self-discovery, offering them the opportunity to sample a diverse range of technical programs. workforce. By engaging in career exploration early on through this program, students can chart a course towards a fulfilling and rewarding career, equipped with the knowledge and skills needed to thrive in today's dynamic workforce.

> *By envisioning your career path today, you lay the foundation for your future success. Career planning is not just about where you are now, but where you aspire to be tomorrow.*

Automotive Careers

Region 10 presents two distinct pathways for individuals passionate about automotive careers: Auto Tech, focusing on mechanical aspects of vehicle maintenance, and Auto Collision & Restoration, specializing in dent and collision repair.

Construction Related Careers

Explore Construction-related Careers at Region 10 through pathways like Building Trades, emphasizing construction skills, Electrical Technology, focusing on electrical systems, and Welding & Metal Fabrication, delving into metalworking techniques. Through hands-on training and expert instruction, students in these pathways gain practical experience and industry-relevant certifications, preparing them for successful careers in the dynamic field of construction.

Small Engine Careers

Discover Small Engine Careers at Region 10 with a focus on Outdoor Power Equipment, where students delve into the maintenance and repair of engines used in outdoor equipment such as marine engines, lawnmowers, chainsaws, and snow blowers.

Health Science Careers

Within the realm of Health Science Careers, Region 10 offers two pathways: EMT, which concentrates on emergency medical response, and CNA, which focuses on providing essential care and support to patients in healthcare settings.

Digital Careers

Dive into Digital Careers at Region 10 through pathways like Creative Digital Media, Informational Technology & Cybersecurity, and Engineering & Architectural Design

Early Childhood Careers

Early Childhood Careers at Region 10 encompasses the foundational principles and practices in child development, education, and caregiving.

Culinary Careers

Culinary Arts introduces students to the Culinary Pathway, where they learn fundamental techniques and explore the creativity of food preparation, gaining essential skills for the culinary industry.

Scan to see our Career Pathways flipbook, containing comprehensive information about various careers, including details on salaries and required education levels.



SCAN ME

Foundations of Technology Curriculum

Navigating Career Opportunities

The Foundations of Technology program is a hands-on survey course which introduces students to the twelve diverse program offerings available at Region 10. Through relevant project-based learning experiences, students actively engage with technical education pathways, gaining practical skills and insights to make informed decisions about their academic and career interests.



Culinary Arts

Embark on an exciting culinary journey in the Introduction to Culinary Arts module of the Foundations of Technology program. Through hands-on cooking sessions, students explore diverse cuisines, learn fundamental culinary techniques, and develop an appreciation for ingredients and flavor profiles, setting the stage for a future in the dynamic culinary industry.



Early Childhood Education

Step into the world of early childhood education in the Foundations of Technology programs Early Childhood module. Through interactive lessons and practical experiences, students gain insights into child development theories, explore innovative teaching strategies, and engage in hands-on activities to understand the vital role educators play in shaping young minds.

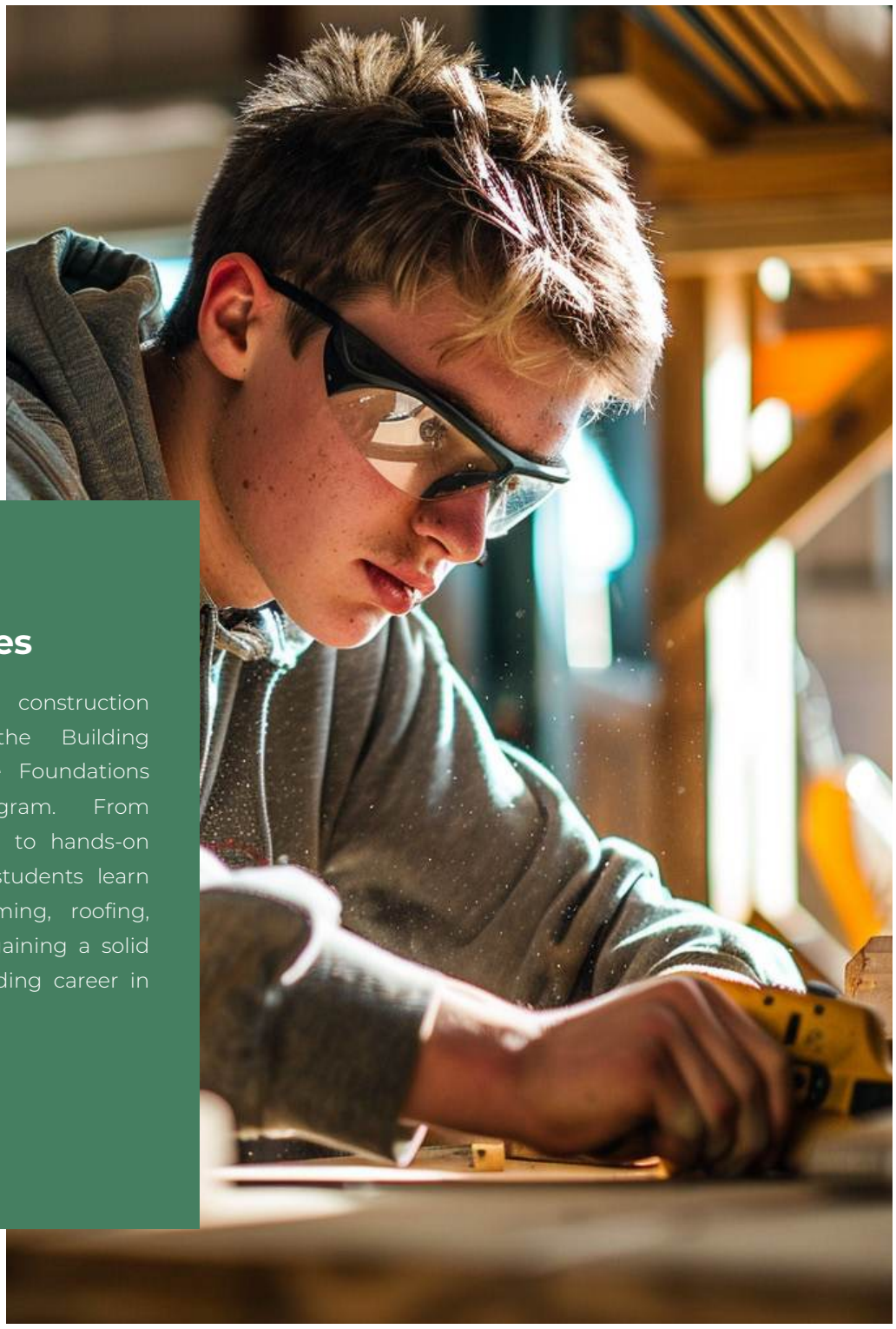


Outdoor Power Equipment

Delve into the mechanics of outdoor power equipment in the Small Engines module of the Foundations of Technology program. Through comprehensive training sessions and troubleshooting exercises, students acquire practical skills in engine repair, maintenance, and safety protocols, empowering them to become proficient technicians in the outdoor power equipment industry.

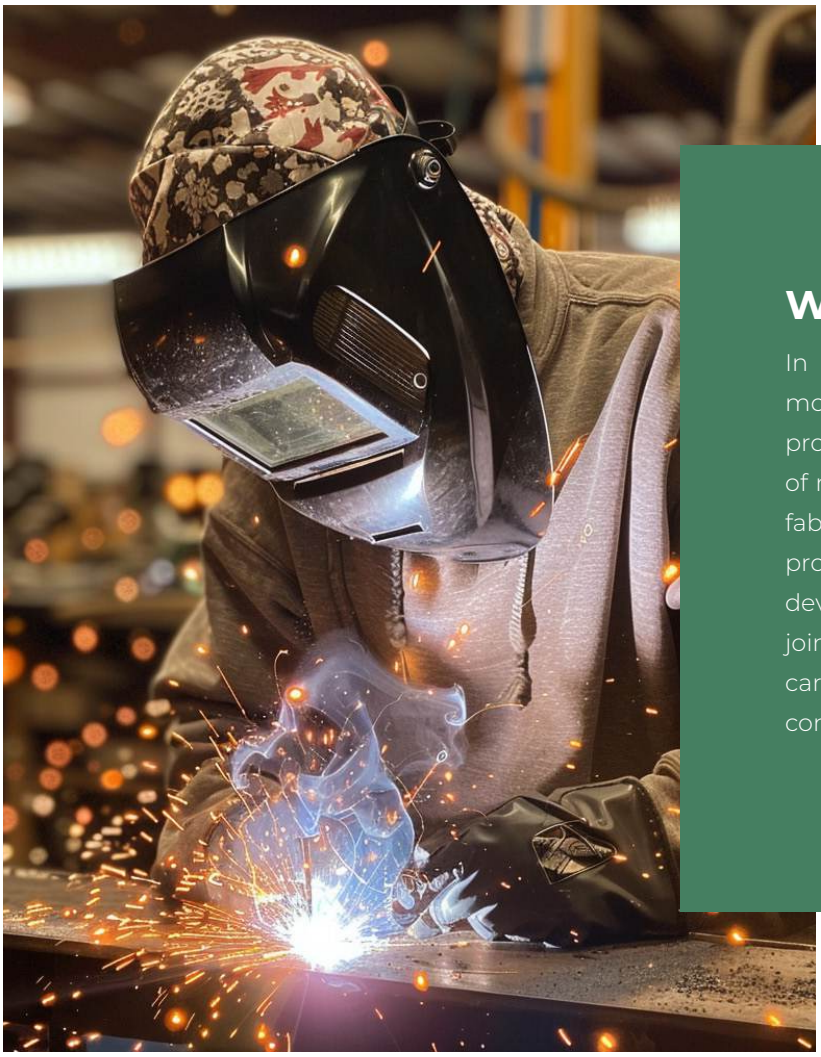
Foundations of Technology Curriculum

Navigating Career Opportunities



Building Trades

Explore the world of construction and carpentry in the Building Trades module of the Foundations of Technology program. From blueprint interpretation to hands-on construction projects, students learn essential skills in framing, roofing, and interior finishing, gaining a solid foundation for a rewarding career in the construction trades.



Welding

In the Welding and Metal Fabrication module of the Foundation of Technology program, students dive into the principles of metalworking, welding techniques, and fabrication processes. Through hands-on projects and demonstrations, students develop essential skills in metal cutting, joining, and shaping, preparing them for careers in industries such as manufacturing, construction, and automotive.

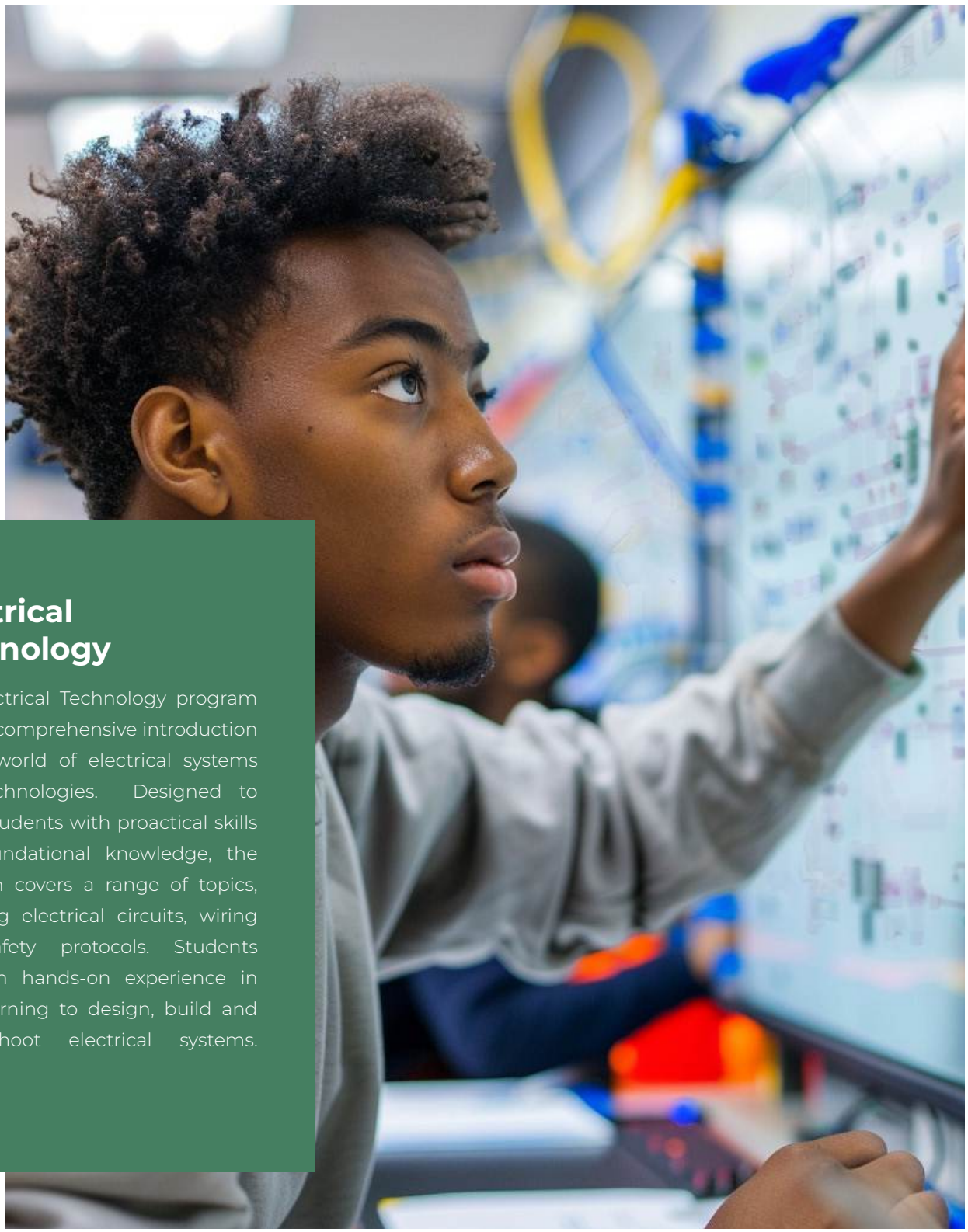
Auto Collision & Repair

In the Auto Collision and Repair module of the Foundation of Technology program, students explore the art and science of automotive repair and refinishing. Through hands-on projects and demonstrations, students learn techniques in dent repair, paint application, and vehicle restoration, equipping them with skills for careers in the automotive industry.



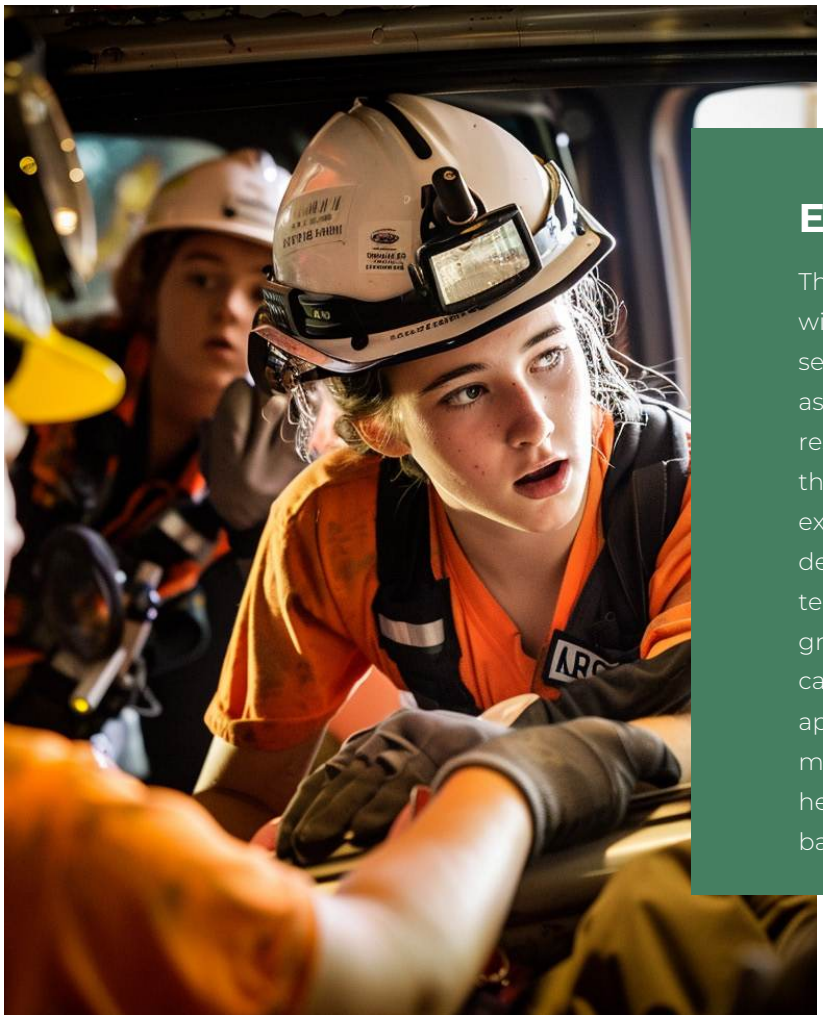
Foundations of Technology Curriculum

Navigating Career Opportunities



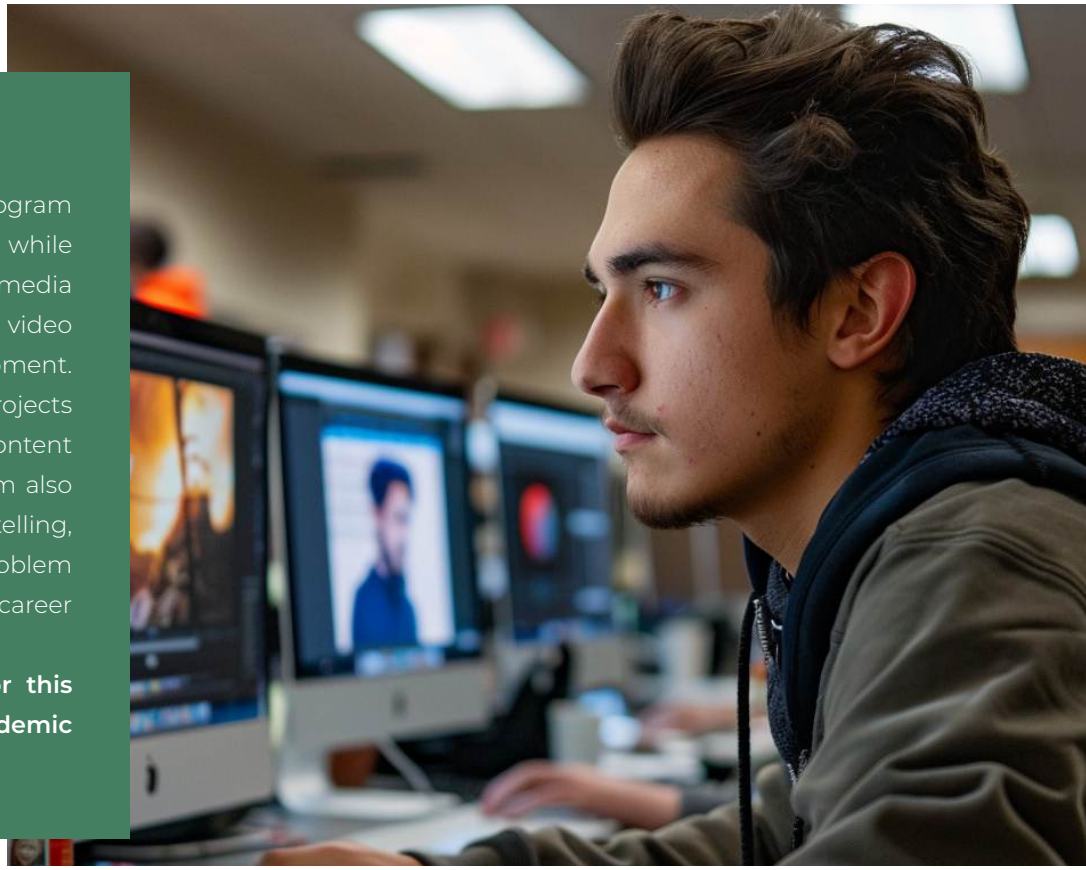
Electrical Technology

The Electrical Technology program offers a comprehensive introduction to the world of electrical systems and technologies. Designed to equip students with proactical skills and foundational knowledge, the program covers a range of topics, including electrical circuits, wiring and safety protocols. Students will gain hands-on experience in labs, learning to design, build and troubleshoot electrical systems.



EMT

The EMT program provides students with essential skills for emergency services. Covering topics like patient assessment,basic life support, and trauma response, the curriculum combines theoretical knowledge with practical exercises and simulations. Students also develop communication, professionalism and teamwork skills. Upon completion, graduates will hold an EMT certification can test for national certification, and may apply for a myriad of entry-level positions or may choose to further their education in health care now that a strong foundational base has been established.



Creative Digital Media

The Creative Digital Media program introduces students to Adobe software while covering various aspects of digital media production, including graphic designm video editing, animation and web development. Students willl engage in hands on projects learning to create compelling content across multiple platforms. The program also emphasizes critical skills such as storytelling, visual communication, creative problem solving, preparing students for diverse career opportunities in digital media.

Incoming 9th graders may apply for this program if they have a high academic standing.

Foundations of Technology Curriculum

Navigating Career Opportunities

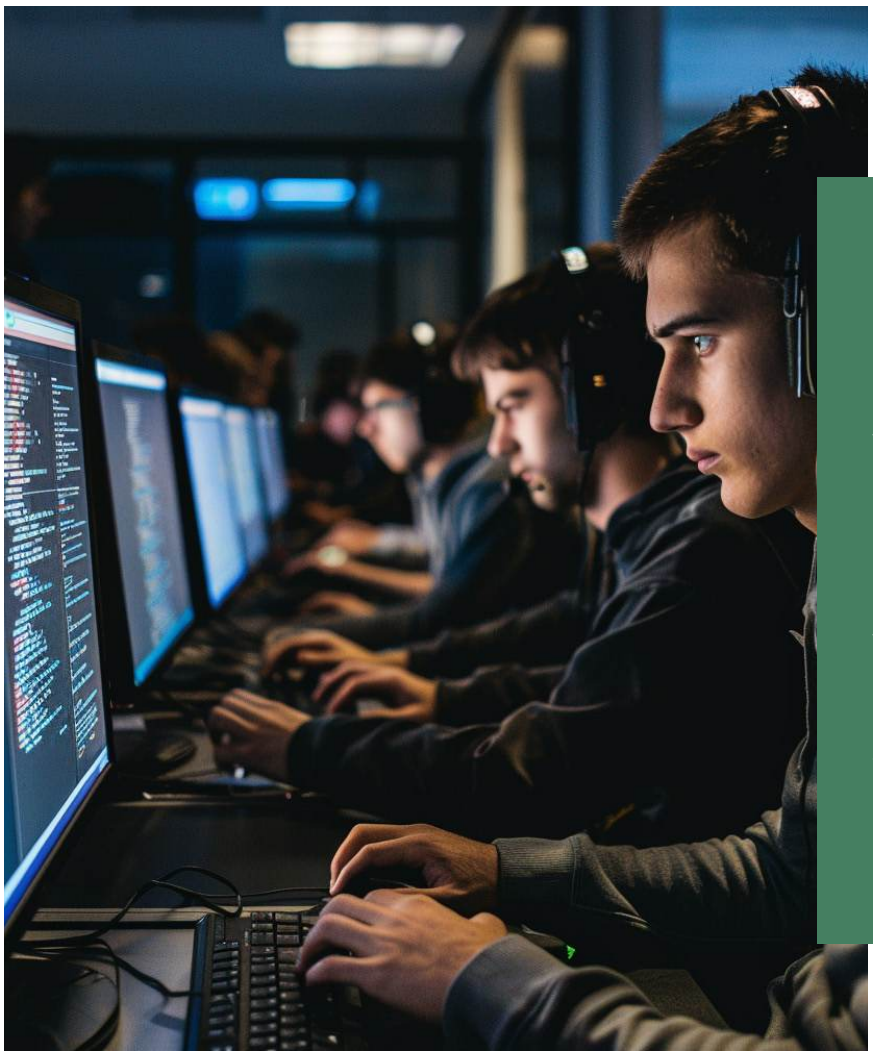
Certified Nursing Assistant (C.N.A.)

The CNA program offers high school students foundational skills in patient care, including assistance with daily activities, vital sign monitoring, and medical documentation. The curriculum combines classroom instruction with clinical practice, preparing students for immediate entry into healthcare or further nursing studies.



F.O.T

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Informational Technology & Cyber Security

The Informational Technology and Cyber Security program provides students with a solid foundation in digital security, covering topics such as network protection, ethical hacking, and encryption. Through hands-on exercises and simulations, students learn to safeguard systems against cyber threats, preparing them for further studies or entry level roles in the IT and cyber security sectors.

Auto Technology

The Automotive Technology program introduces students to the fundamentals of car maintenance, repair and diagnostics. The curriculum covers engine systems, transmission and digital diagnostics, offering hands-on experience in automotive workshops. Graduates are prepared for immediate entry into the auto industry or further technical studies.



Auto Collision & Repair



Wayne Jewett
Instructor
Auto Collision & Repair

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APPLY NOW



REGION 10
TECHNICAL HIGH SCHOOL

AUTO COLLISION & REPAIR



Discovering a career you're passionate about turns every day into a journey, not just a job.

Auto Collision & Repair

About our Program

The Auto Collision program concentrates on restoring vehicles that have been damaged in accidents or collisions, encompassing tasks such as dent repair, panel replacement, and refinishing. Our hands-on approach, coupled with industry-aligned training, prepares graduates to confidently navigate the expanding auto collision repair field, opening doors to rewarding career opportunities in an ever-growing industry.

Welcome to the Auto Collision & Repair program at Region 10 Technical High School, where we focus on preparing students for the evolving landscape of automotive repair. Over the course of two years, our program delves into essential areas such as Non-Structural Analysis, Damage Repair, Painting, and Refinishing, all while aligning with the rigorous standards set by ASE certification and the I-CAR curriculum. As the automotive industry undergoes rapid changes marked by an increase in vehicles, technological advancements, and need for skilled collision repair technicians continues to rise. Our forward-looking program equips students with the necessary skills to meet industry demands head-on. By incorporating ASE Certification and the I-CAR curriculum, students receive comprehensive instruction in industry-standard techniques, ensuring they are well-prepared for the challenges of the field. Through hands-on learning experiences with various projects, graduates emerge ready to confidently and safely perform entry-level repairs on damaged vehicles, positioning themselves for employment opportunities in the expanding auto collision repair sector. With projections indicating steady growth in the field, driven by factors such as the rising number of vehicles on the road and advancements in automotive technology, pursuing a career in auto collision repair presents promising prospects for our students. According to the U.S. Bureau of Labor Statistics, employment of automotive body and glass repairers is expected to grow 4 percent from 2020 to 2030, signaling favorable opportunities for those entering the field.



Our Curriculum

Two Year Program

Year One

Safety

Surface Prep

Panel Repair/Replacement

Dent Repair

Moveable Glass & Hardware

Welding/Cutting/Heating

Plastic Part Repair

Year Two

Safety

Surface Prep

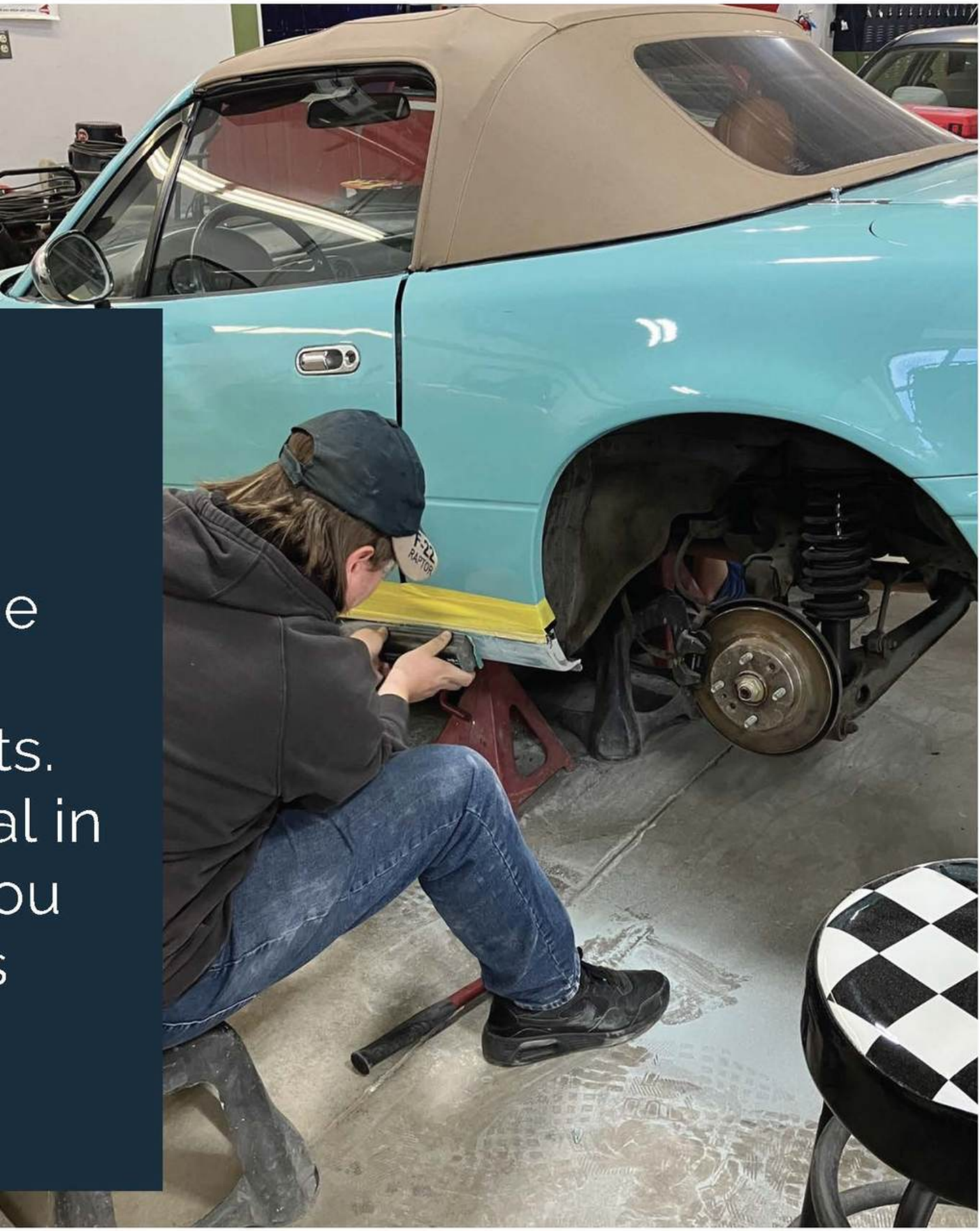
Spray Gun Operations

Paint Mixing & Application

Paint Defect Cures

Final Detailing

> Today's deliberate actions shap tomorrow's achievement Be intentiona every step yo take towards your goals.



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Careers & Salaries

Auto Collision & Repair

Collision Repair Technician $40,000 to $60,000 per year

Collision repair technicians diagnose and repair damage to vehicles caused by accidents or other incidents. They may work with body panels, frames, and structural components to restore vehicles to their pre-accident condition.

Automotive Refinish Technician $35,000 to $55,000 per year

Automotive refinish technicians specialize in painting and refinishing vehicles. They prepare surfaces, mix paint colors, and apply paint using spray guns to achieve a smooth and uniform finish.

Auto Body Painter $35,000 to $50,000 per year

Auto body painters apply paint to vehicles to restore their appearance after collision repair work. They may also perform color matching and blending to ensure a seamless finish.

Estimator/Insurance Adjuster $40,000 to $75,000+ per year

Estimators, also known as insurance adjusters, assess vehicle damage and provide cost estimates for repairs. They work with insurance companies, repair shops, and vehicle owners to negotiate repair costs and ensure accurate billing.

Shop Foreman/Manager $45,000 to $70,000+ per year

Shop foremen or managers oversee the daily operations of collision repair shops. They supervise technicians, manage workflow, and ensure quality standards are met.

Collision Parts Specialist $30,000 to $50,000+ per year

Collision parts specialists are responsible for ordering and managing inventory of replacement parts needed for repairs. They ensure that the correct parts are available when needed and may negotiate pricing with suppliers.

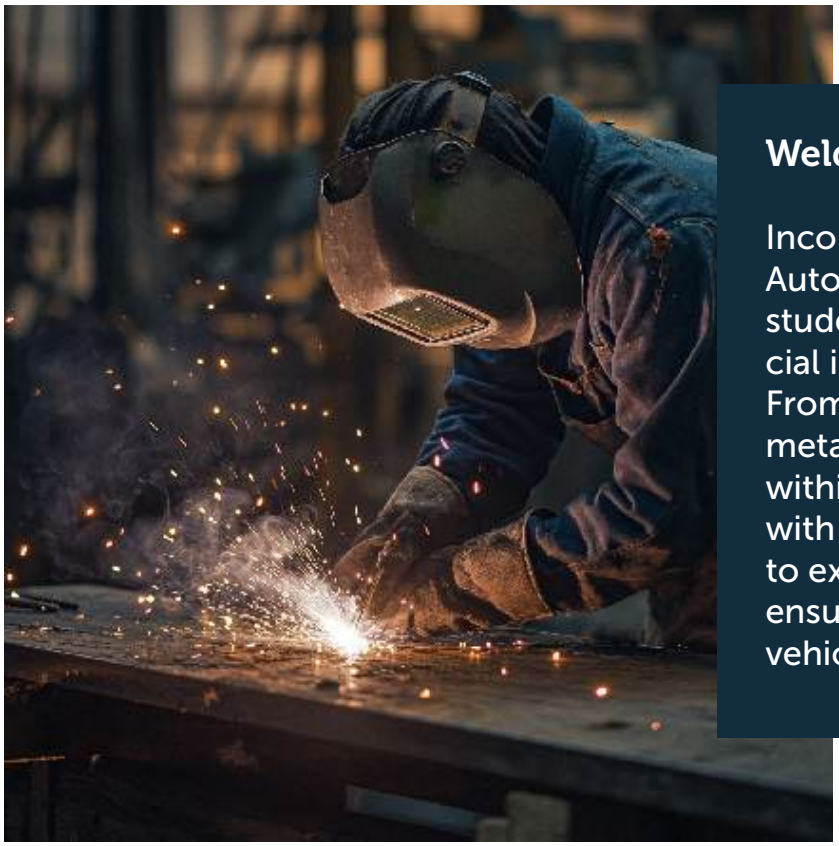
Automotive Glass Technician $35,000 to $50,000+ per year

Automotive glass technicians repair or replace damaged glass components in vehicles, such as windshields, windows, and mirrors. They may also install accessories like sunroofs and tinted glass.

(Source: U.S. Bureau of Labor Statistics)



Passion is the fuel that drives success; **do what you love, and success will follow.**

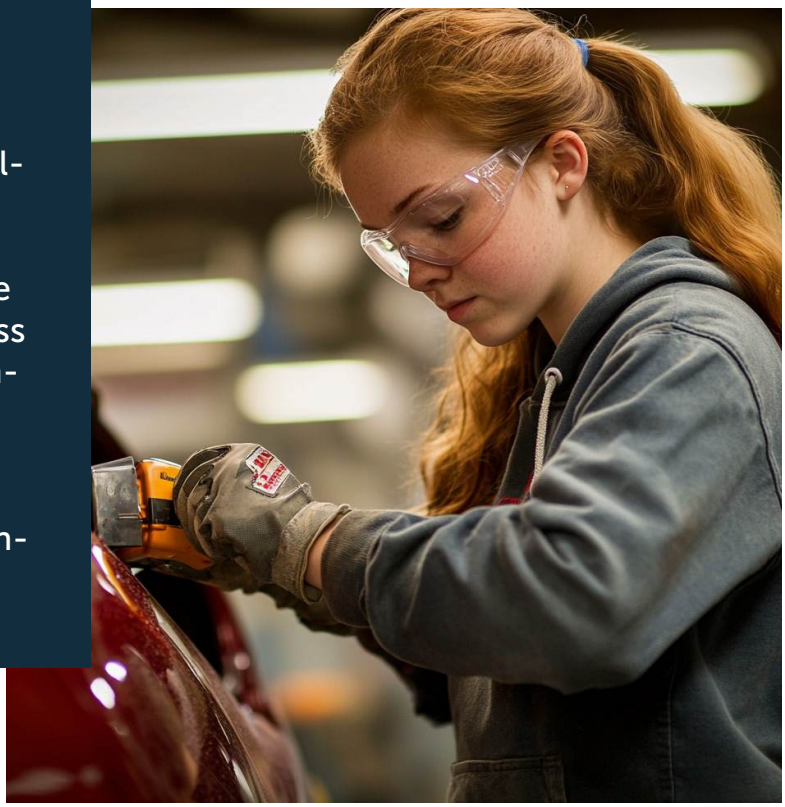


Welding - 1st Year

Incorporating welding skills into an Auto Collision program enriches students with versatile expertise crucial in vehicle restoration and repair. From precision welding techniques to metal fabrication, mastering welding within this program equips students with the hands-on skills necessary to excel in the automotive industry, ensuring the seamless restoration of vehicles to their optimal condition.

Dent Repair - 1st Year

In an auto collision class, studying dent repair is an integral component of auto refinishing expertise. By learning dent repair techniques, students gain the ability to restore a vehicle's body panels to their original smoothness before refinishing. This skill ensures that the surface is prepped properly, allowing for flawless paint application and an immaculate finish. Understanding dent repair complements the refinishing process, enabling students to deliver comprehensive restoration services and achieve professional-grade results in automotive repair.



AUTO COLLISION

FOLLOW US ON

First & Second Year Projects

Every day, students delve into hands-on learning experiences that pave the way for a rewarding career in the automotive industry. Through immersive projects focusing on welding, dent repair, painting, and refinishing, students gain invaluable practical skills that prepare them for the dynamic challenges of the auto collision field. Our emphasis on hands-on learning not only fosters technical expertise but also cultivates problem-solving abilities, attention to detail, and teamwork—all essential qualities for success in this rapidly evolving industry.

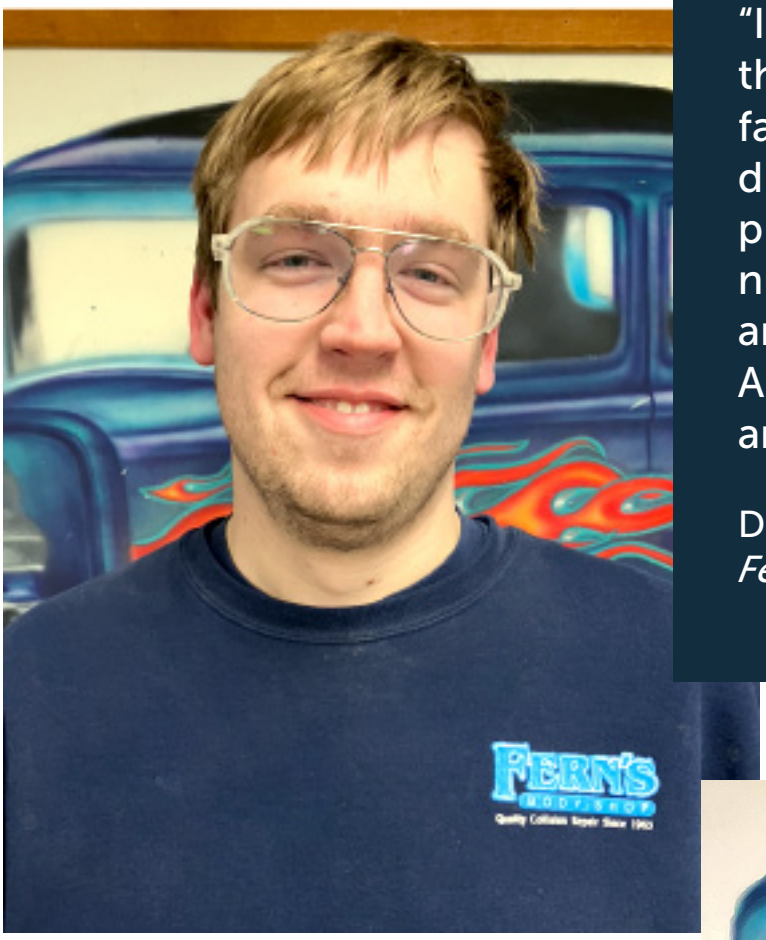


Auto Refinishing - 2nd Year

Mastering auto refinishing is crucial for students to become well-rounded professionals in automotive repair. Understanding refinishing techniques equips them with the skills needed to seamlessly blend repaired areas into the vehicle's original finish. This proficiency ensures not only structural integrity but also aesthetic excellence, preparing students to deliver comprehensive repairs that satisfy both safety standards and customer expectations in the automotive industry.

Alumni Voices

Auto Collision & Repair



"I love my job because it is something new every day. I keep learning faster and better ways to do what I did yesterday. Fixing dents, spraying primer or paint, replacing panels, nuts and bolts, that is what I wanted and that is what I got in this industry. All that I learned in Auto Collsion and Repair gave me that."

Dan Pratt
Ferns Auto Body



"No matter the day, the claim, the hit, theres always something to learn from either the accident or other techs, everyday in this field you will learn something."

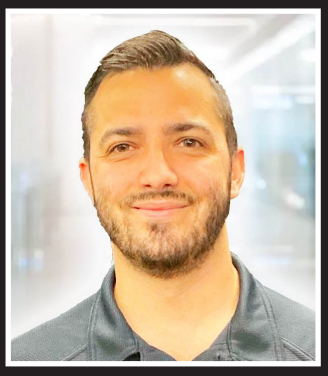
Dustin Graham
Ferns Auto Body



"Training never ends, goals change, but the skills and ethics I learned from the Auto Collsion & Repair program have carried me through decades. I will always be grateful for the patient and invested environment I was able to learn and grow in."

Chaz Rideout

Auto Technology



Gabe Gargiulo
Instructor
Auto Technology

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REGION 10
TECHNICAL HIGH SCHOOL

AUTOMOTIVE TECHNOLOGY



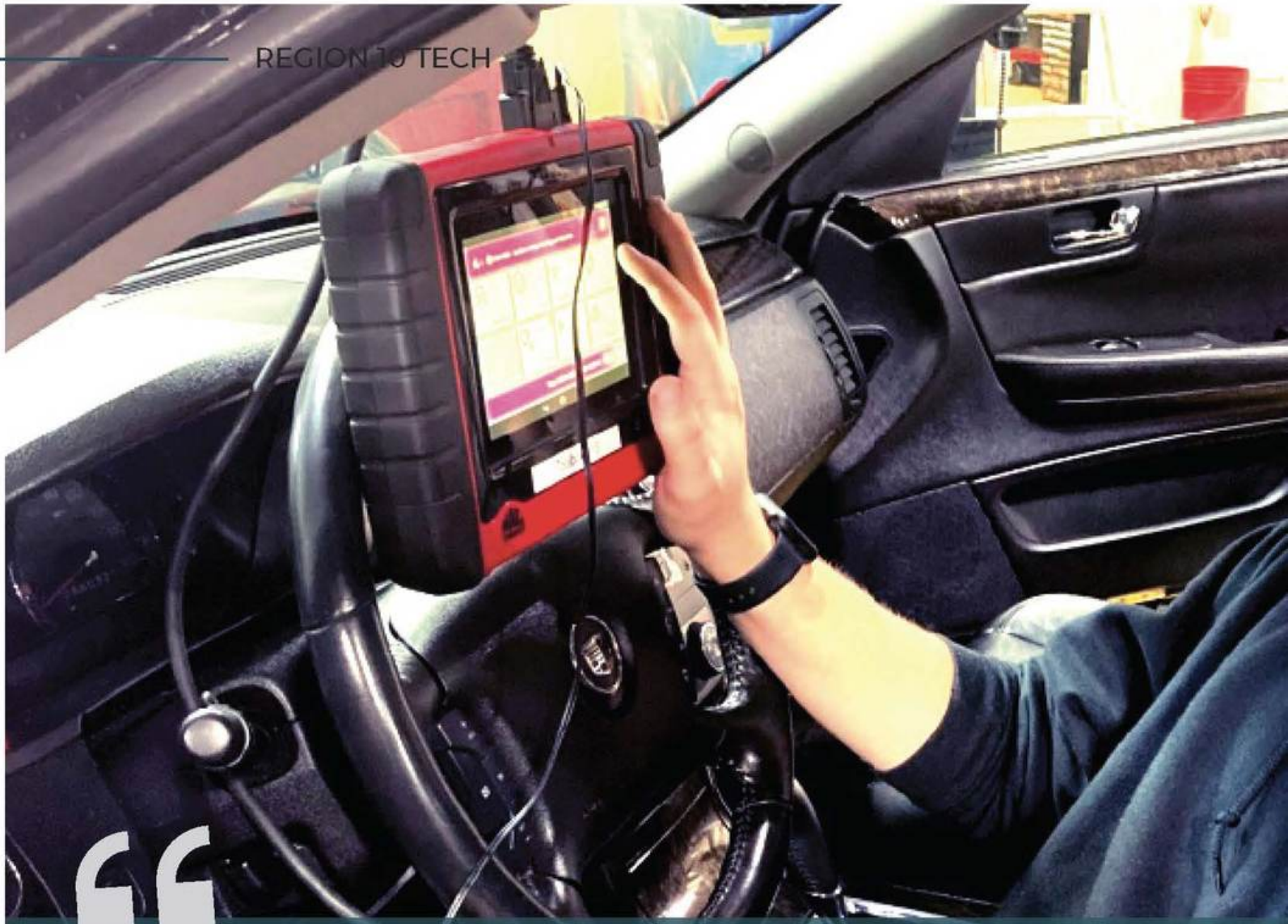
Welcome to Auto Tech



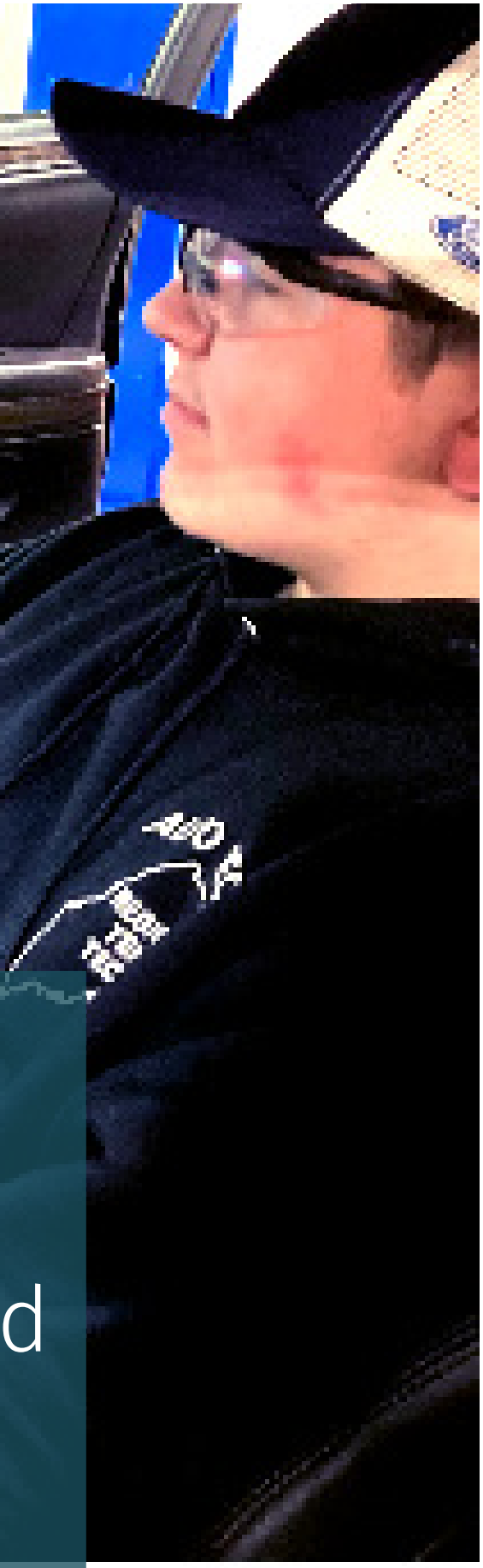
Welcome to the Automotive Technology program where students acquire a robust understanding of automotive theory, diagnostic techniques, and shop practices, while cultivating a passion for innovation and problem-solving. Equipped with the skills to diagnose and repair all eight major vehicle systems found in modern automobiles, our graduates are poised for success in entry-level positions within the automotive industry or can choose to pursue further education.

Automotive Technology I and II at Region 10 Tech offer a comprehensive two-year program aimed at preparing students for diverse careers within the automotive industry. Aligned with national standards established by the Automotive Service Excellence (ASE) and the National Automotive Technician Education Foundation (NATEF), our curriculum caters to students with varying levels of mechanical expertise.

From basic tasks to intricate computer systems, students receive thorough training through a blend of classroom instruction and hands-on shop work, with access to state-of-the-art tools and equipment. Job placement opportunities are abundant in repair facilities and related fields, given the high demand for skilled employees and excellent pay. Success in the program hinges on attention to detail and a commitment to continuous learning.



Success is no accident. It is hard work, perseverence, learning, studying, sacrifice, an most of all**, love of what you are learning to do.**



Curriculum

The curriculum covers a wide range of topics, including but not limited to: Introduction to the Automotive Industry, Tools and Equipment, Safety and Pollution Prevention, Maine State Inspection, Professional Portfolio Development, and completion of the OSHA Ten-Hour class.

First Year

- Steering and Suspension
- Brakes
- Electrical and Electronic Systems
- Engine Performance

Second Year

- Engine Repair
- Automatic Transmission & Transaxle
- Manual Drivetrain and Axles
- Heating and Air Conditioning

The Goal: ASE Certification

Students in our Auto Tech program diligently work to earn their ASE Certification, awarded by the National Institute for Automotive Service Excellence. This respected organization certifies automotive professionals and shops across the United States and parts of Canada. ASE Certification encompasses a broad spectrum of vehicle types and systems, such as cars, trucks, buses, and collision repair. Recognized as a benchmark of quality within the industry, this certification demonstrates a technician's proficiency and dedication to excellence, instilling confidence in the skills of a technician.

Careers & Salaries in Auto Technology



Automotive Service Technician $42,090 to $67,230 per year

Automotive service technicians diagnose, repair, and maintain vehicles. They perform routine maintenance tasks, such as oil changes and tire rotations, as well as more complex repairs, such as engine overhauls and electrical system troubleshooting.

Diagnostic Technician $47,350 to $77,020 per year

Diagnostic technicians specialize in diagnosing and troubleshooting vehicle problems using diagnostic tools and equipment. They analyze diagnostic data, identify issues, and recommend appropriate repairs.

Automotive Service Advisor/Writer $41,450 to $69,440 per year

Automotive service advisors act as liaisons between customers and automotive technicians. They communicate with customers to understand their vehicle's issues, provide repair recommendations, and coordinate service appointments.

Automotive Parts Specialist $33,380 to $55,500 per year

Automotive parts specialists work in parts departments of dealerships or auto parts stores. They assist customers in finding and purchasing the right parts for their vehicles, manage inventory, and ensure accurate billing.

Fleet Maintenance Technician $46,360 to $73,980 per year

Fleet maintenance technicians are responsible for maintaining and repairing vehicles in fleet operations, such as rental companies, delivery services, and government agencies. They perform preventive maintenance and repairs to keep fleet vehicles in optimal condition.

Automotive Instructor/Trainer $59,770 to $107,830 per year

Automotive instructors teach and train individuals in automotive technology programs at vocational schools, community colleges, or technical institutes. They develop curriculum, deliver lectures, and provide hands-on instruction to students.

(Source: U.S. Bureau of Labor Statistics)

AUTO TECH

FOLLOW US ON

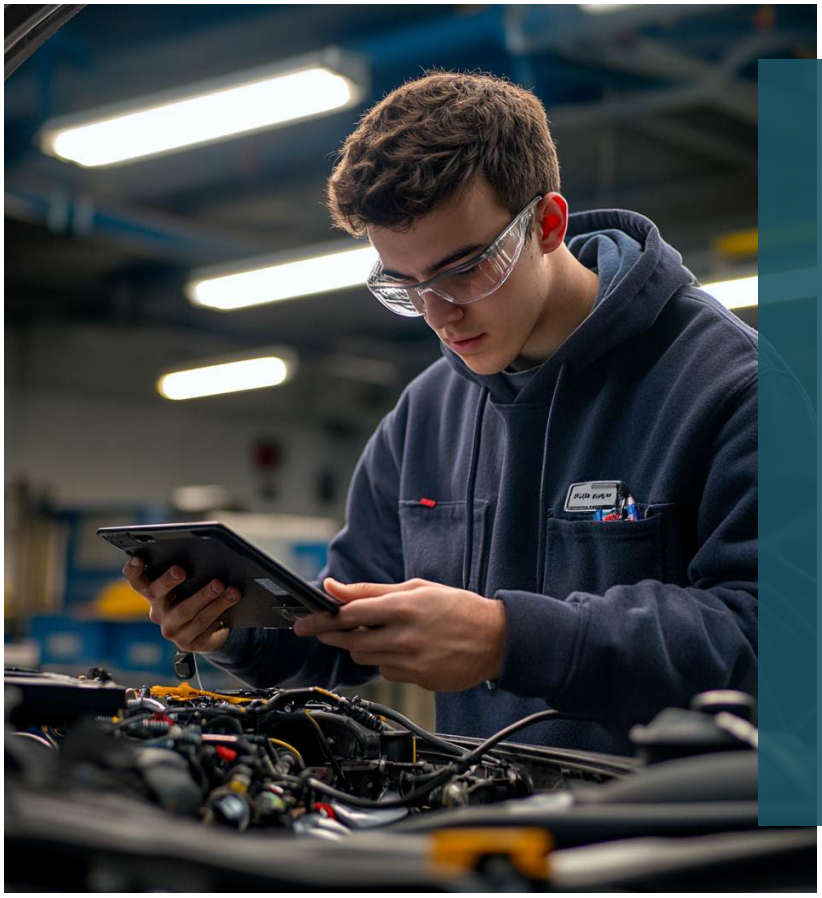
First & Second Year Projects

In the realm of Auto Technology, each day presents a unique array of challenges. Every vehicle in need of repair demands fresh approaches to diagnosis and the acquisition of novel skills to effectively resolve the issue at hand.



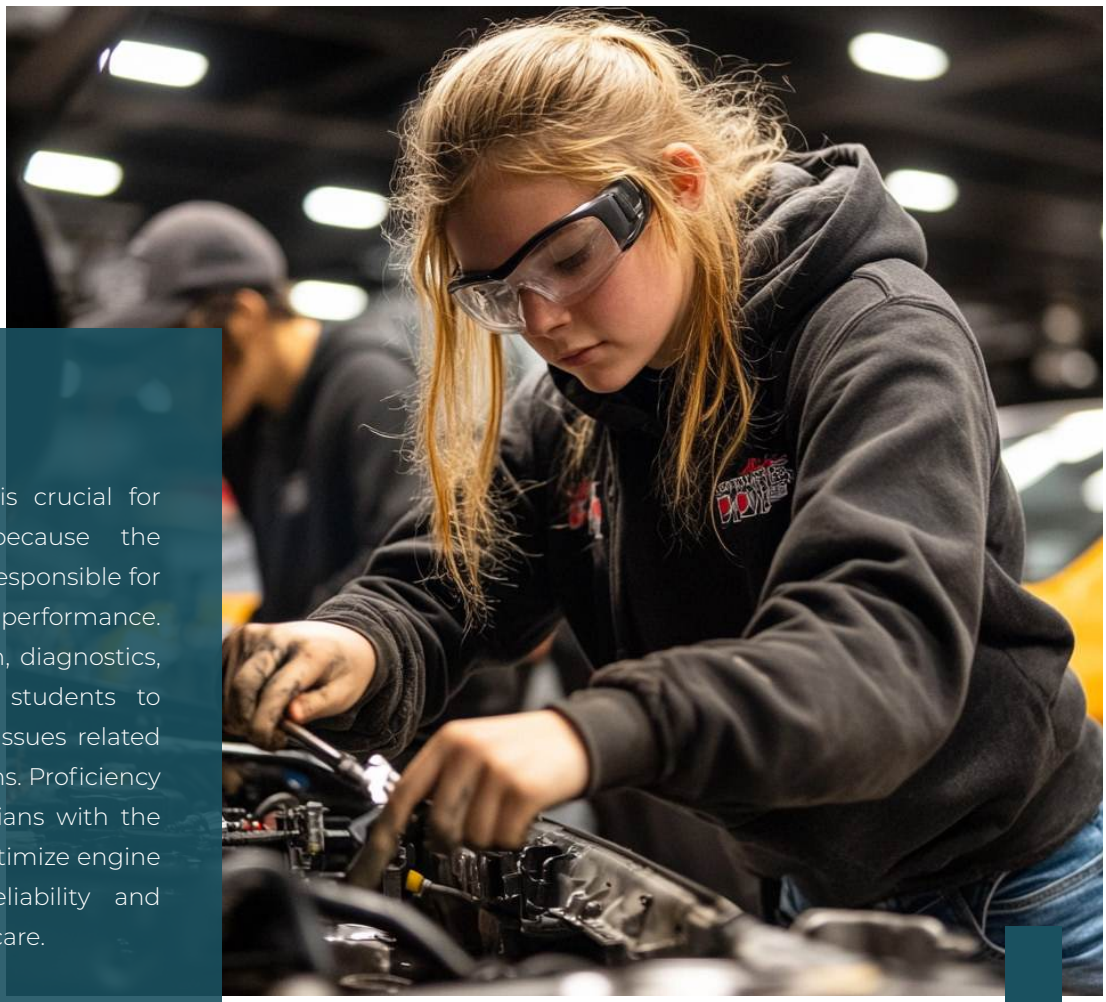
Repairing Brakes

Learning to repair brakes is a fundamental aspect of an Auto Technology program due to its critical role in vehicle safety and performance. Understanding brake systems empowers students to diagnose issues accurately and perform repairs effectively, ensuring optimal braking functionality. Mastery of brake repair encompasses knowledge of components, such as pads, rotors, calipers, and hydraulic systems, as well as proficiency in maintenance and adjustment procedures. By honing these skills, students not only enhance their mechanical expertise but also contribute to the safety and reliability of vehicles on the road, making them invaluable assets in the automotive industry.



Electrical Systems

Understanding electrical systems in automobiles is crucial for students of Auto Technology because modern vehicles heavily rely on complex electrical components for functionality. Mastery of these systems enables technicians to diagnose and repair issues related to engine management, safety features, and onboard entertainment systems, ensuring safe and efficient operation of vehicles. Additionally, as automotive technology advances, knowledge of electrical systems becomes increasingly indispensable for staying current in the field.



Engine Repair

Learning about engine repair is crucial for auto technology students because the engine is the heart of a vehicle, responsible for power generation and overall performance. Understanding engine operation, diagnostics, and repair techniques allows students to effectively troubleshoot and fix issues related to power, efficiency, and emissions. Proficiency in engine repair equips technicians with the skills needed to maintain and optimize engine performance, ensuring the reliability and longevity of vehicles under their care.





Increasing Need for Auto Technicians

The Auto Technology field is experiencing steady growth, driven by several factors:

Technological Advancements:
Increasing complexity in vehicles, driven by advanced electronics, software, and connectivity features, necessitates skilled technicians.

Replacement Demand:
Aging workforce in auto technology creates vacancies, offering opportunities for new entrants and career advancement.

Environmental Concerns:
Shift towards cleaner technologies like electric and hybrid vehicles boosts demand for specialized technicians.

Continued Innovation:
Rapid pace of innovation in the automotive industry requires technicians to adapt to emerging technologies.

Global Market Growth:
Expansion of automotive markets worldwide drives demand for technicians to service and maintain vehicles.

Alumni Paths



Andrew Skelton

Owner, Skelton's Foreign Auto

"Region 10 gave me all the necessary tools to build a solid foundation under my business"

The journey doesn't end with graduation – it's just the beginning. Our alumni, like Andrew Skelton, now a thriving business owner, Chris Moore, a service manager at Goodwin Motors, and the recent graduate Ethan Pinette, who recently secured an internship at Goodwin Motors, exemplify the diverse career trajectories our program offers. From entrepreneurship to industry internships, our graduates traverse varied paths, fueled by the skills and knowledge honed within these walls. Whether your aspirations lean toward ownership, management, or dealership operations, the Auto Technology program equips you with the tools to navigate the dynamic automotive landscape and steer your career toward success. Join us and discover the countless opportunities awaiting you on the road ahead.

Community Partnerships

Internships are more than just experiences; they are pivotal stepping stones toward a fulfilling career journey. Region 10, in collaboration with Goodwin Auto and the guiding hand of Educate Maine, exemplifies the transformative power of partnerships. Through this synergy, Ethan Pinette's internship blossomed into a full-time apprenticeship at Goodwin Auto Group, marking not only the realization of individual potential but also the tangible impact of strategic collaboration in shaping promising futures. This success story underscores the indispensable role of internships in bridging the gap between education and industry, forging pathways to meaningful employment, and nurturing talent within our communities.



Chris Moore '89 & Ethan Pinette '24

Building Trades



Wade Boudreau
Instructor
Building Trades

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REGION 10
TECHNICAL HIGH SCHOOL

BUILDING TRADES





Building Trades

Welcome to the Region 10 Tech Building Trades program, where students embark on a journey to master the essential skills for thriving in the construction industry.

Students earn 3 college credits

Through a blend of classroom instruction and practical hands-on experience, students develop a deep proficiency in carpentry preparing them for entry-level positions in the construction trades or further education through our community college programs. Participation in Skills USA offers opportunities for students to enhance their leadership abilities and compete on both state and national levels, enriching their learning experience and broadening their horizons. Upon completing two years of Building Trades, students possess the foundational carpentry skills needed to excel in the field, laying the groundwork for rapid advancement with real-world work experience and professional guidance.

Careers in the building trades construction field are projected to experience significant growth in the coming years, driven by several key factors. With the increasing demand for infrastructure development, residential housing, and commercial construction projects, there is a growing need for skilled workers in carpentry and other trades.

Additionally, as the current workforce ages and retires, there is a widening gap in the labor market, creating abundant opportunities for new entrants to the field. The rise of sustainable construction practices and green building initiatives further contributes to job growth, as companies seek workers with expertise in energy-efficient construction techniques.

Moreover, government investment in infrastructure projects, coupled with ongoing maintenance and renovation work, sustains demand for skilled tradespeople. Overall, the building trades construction field presents promising prospects for individuals seeking rewarding careers with ample opportunities for growth and advancement.





Carpentry Skills

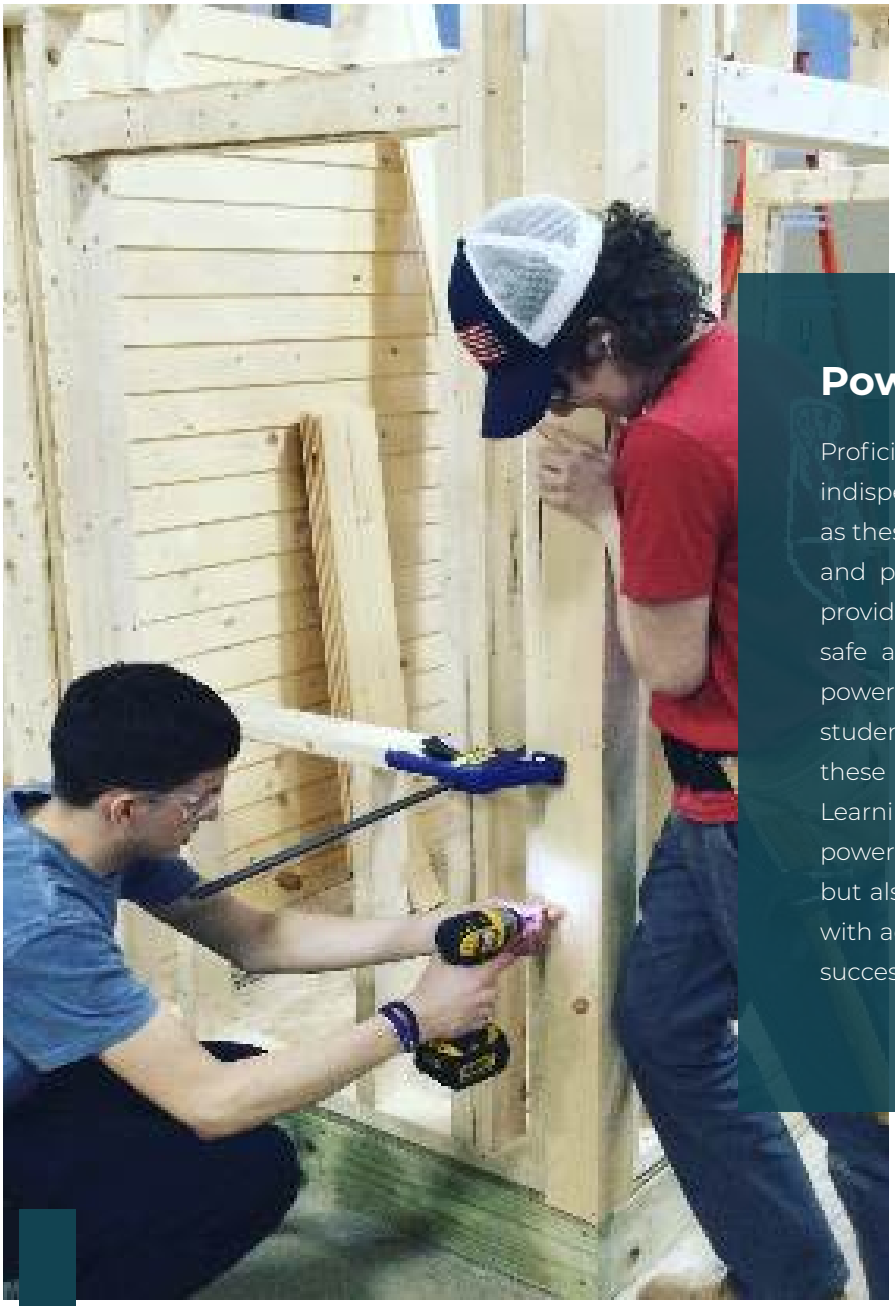
- Safety
- Hand Tool Use
- Power Tool Use
- Framing Techniques
- Floor Framing
- Wall Framing
- Ceiling Framing
- Roof Framing
- Sheathing Applications
- Roof Covering
- Siding
- Window & Door Installation
- Stair Construction
- Trade Math

Building Trades

FOLLOW US ON

Building Trades Projects

Hands-on learning is paramount in the construction trade as it bridges the gap between theory and practice, allowing students to develop practical skills that are essential for success in the field.



Power Tool Use

Proficiency in using power tools is indispensable for construction professionals, as these tools significantly enhance efficiency and productivity on job sites. Our program provides comprehensive training in the safe and effective operation of a variety of power tools, from drills to saws, ensuring that students develop the skills necessary to handle these tools with confidence and precision. Learning the proper techniques for using power tools not only promotes job site safety but also empowers students to execute tasks with accuracy and efficiency, a cornerstone of success in the construction trade.



Wall Framing

Wall framing serves as the backbone of any structure, making it a fundamental skill for aspiring construction professionals to master. In our program, students delve into the principles of wall framing, including layout, assembly, and structural integrity. By understanding the nuances of wall framing, students gain the ability to construct sturdy, code compliant frameworks that form the basis for entire buildings. This foundational knowledge not only instills confidence in students as they tackle complex construction projects but also lays the groundwork for a successful career in the dynamic field of construction.



Window Installation

Mastering window installation is crucial in the construction trade as it ensures not only the aesthetic appeal of a structure but also its energy efficiency and durability. Students learn the intricacies of proper measurement, sealing techniques, and the selection of appropriate materials to withstand various environmental conditions. Understanding window installation not only enhances the appearance of a building but also contributes to its overall functionality and sustainability, preparing students for real-world challenges in the construction industry.



Careers & Salaries

General Contractor/Builder $55,000 to $150,000+ per year

General contractors oversee construction projects from conception to completion. They manage budgets, schedules, and subcontractors, ensuring that projects are completed to the client's specifications and within regulations.

Construction Manager $55,000 to $150,000+ per year

Construction managers coordinate and supervise construction projects, from planning and budgeting to execution and completion. They oversee scheduling, manage resources, and ensure compliance with building codes and safety regulations.

Project Manager $60,000 to $150,000+ per year

Project managers oversee specific aspects of construction projects, such as scheduling, budgeting, or procurement. They coordinate with various stakeholders, including architects, engineers, and subcontractors, to ensure project success.

Construction Estimator $50,000 to $100,000+ per year

Construction estimators analyze project blueprints and specifications to estimate the cost of materials, labor, and equipment needed for construction projects. They prepare bids and proposals for potential clients.

Building Inspector $50,000 to $100,000+ per year

Building inspectors examine construction sites and structures to ensure compliance with building codes, zoning regulations, and safety standards. They inspect foundations, framing, electrical systems, plumbing, and other components.

Construction Superintendent $60,000 to $120,000+ per year

Construction superintendents oversee day to day operations on construction sites, supervising workers, managing schedules, and ensuring quality control. They coordinate with subcontractors and ensure projects are completed on time and within budget.

(Source: U.S. Bureau of Labor Statistics)

Business Administration & Enterprise Management



TBA
Instructor
Business Administration & Enterprise Management

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REGION 10
TECHNICAL HIGH SCHOOL

BUSINESS ADMINISTRATION & ENTERPRISE MANAGEMENT

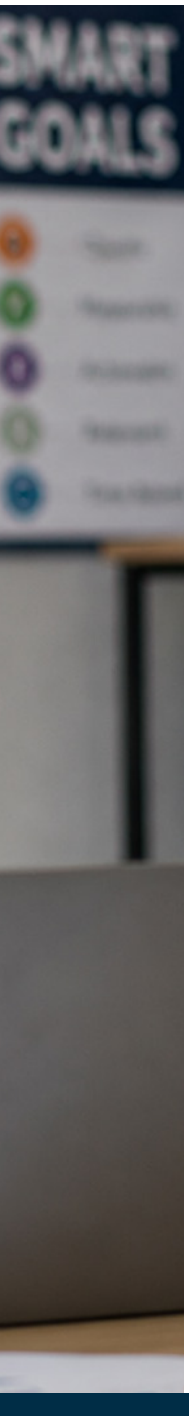
BUSINESS ADMINISTRATION & ENTERPRISE MANAGEMENT

Ever wonder what it takes to run a successful company, lead dynamic teams, or scale an innovative idea into a global enterprise? The Business Administration & Enterprise Management program transforms your passion for business into actionable leadership and strategic skills.



In this pathway, you won't just study business — you'll run it. You'll step into the role of a modern executive, learning how to direct company operations, analyze financial health, lead diverse teams, and make critical decisions that drive success in a competitive global market. Through interactive business simulations, real-world case studies, and hands-on projects, you'll master the essential functions that keep modern organizations thriving.

Upon completing the program, students not only gain the foundational skills necessary to excel in business but also acquire versatile skills applicable to a myriad of careers in management, finance, operations, and marketing. With hands-on experience and professional guidance, graduates are well-equipped to advance quickly in their careers and make valuable contributions to the field.



Today's Steps Shape Tomorrow's Path: Empower Your Future with our Business Admninistration & Enterprise Management Program



"Education isn't just about the present; **it's about investing in yourself for a brighter future**, where your potential knows no bounds."

Year One & Year Two

First Year: Building a Strong Foundation

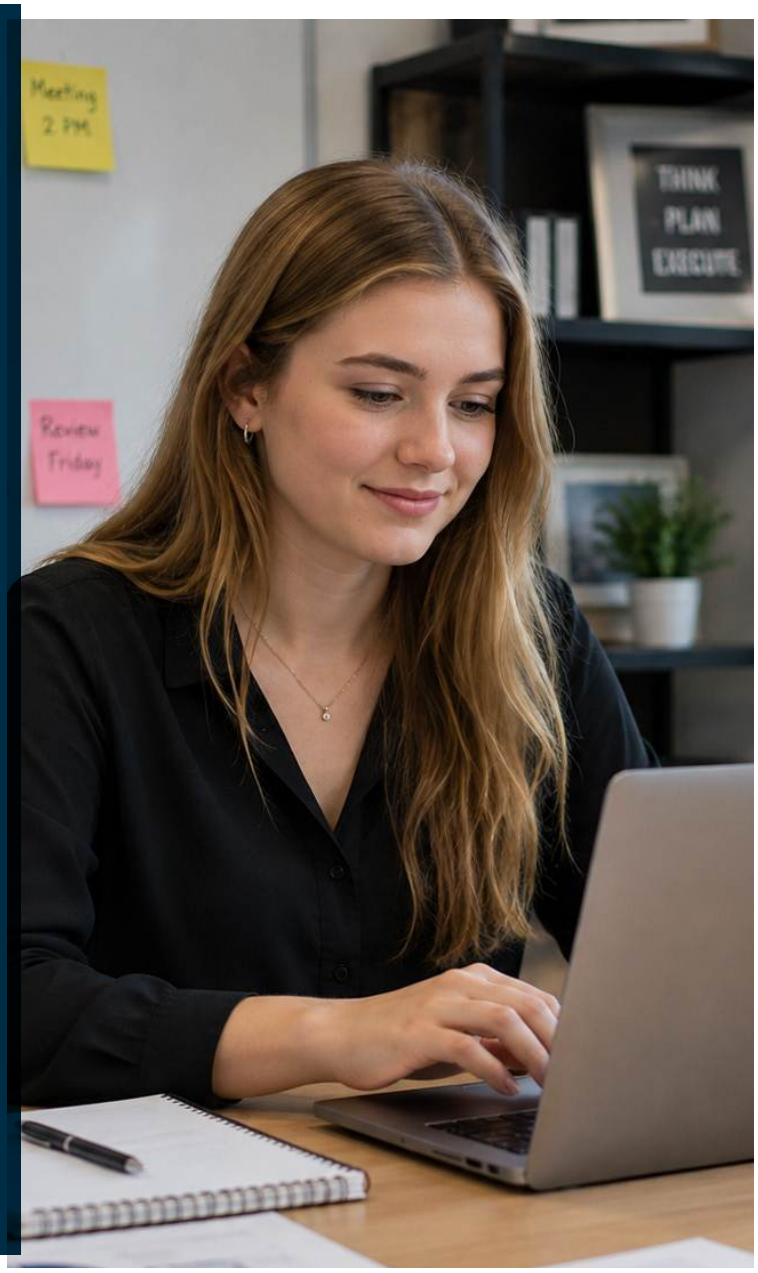
This program offers foundational skills for entry into the business field, teaching students how executives plan, direct, and scale companies while navigating industry trends and economic shifts. Participants gain hands-on experience through business simulations and case studies, mastering the art of talent management, team dynamics, and workplace culture. Students also gain practical skills in business accounting, budget analysis, and quantitative methods, and discover how products move from production to consumer through supply chain management.

Second Year: Practical Skills

Designed for second-year students, this program builds upon foundational knowledge with advanced skills in strategic decision-making and brand leadership. Students explore market research, consumer behavior, and branding campaigns that drive product demand, and solve complex, real-world corporate challenges using data-driven decision models. Emphasizing real-world application, students engage in daily exposure to practical scenarios through student enterprises and client consulting projects, along with industry mentorships and internships that build a professional network before graduation.

Concurrent Enrollment Credits

The principles and skills taught in the Business Administration & Enterprise Management program are relevant across a spectrum of career paths. Students acquire knowledge of leadership, financial analysis, operations, and marketing strategy — forming the bedrock for numerous business and management professions, from small-business ownership to corporate leadership



Principles of Business & Management

3 Credits

Students will learn how executives plan, direct, and scale companies, exploring core business functions and how organizations navigate industry trends and economic shifts. This course is equivalent to BUS 101: Introduction to Business.

Organizational Behavior & HR

3 Credits

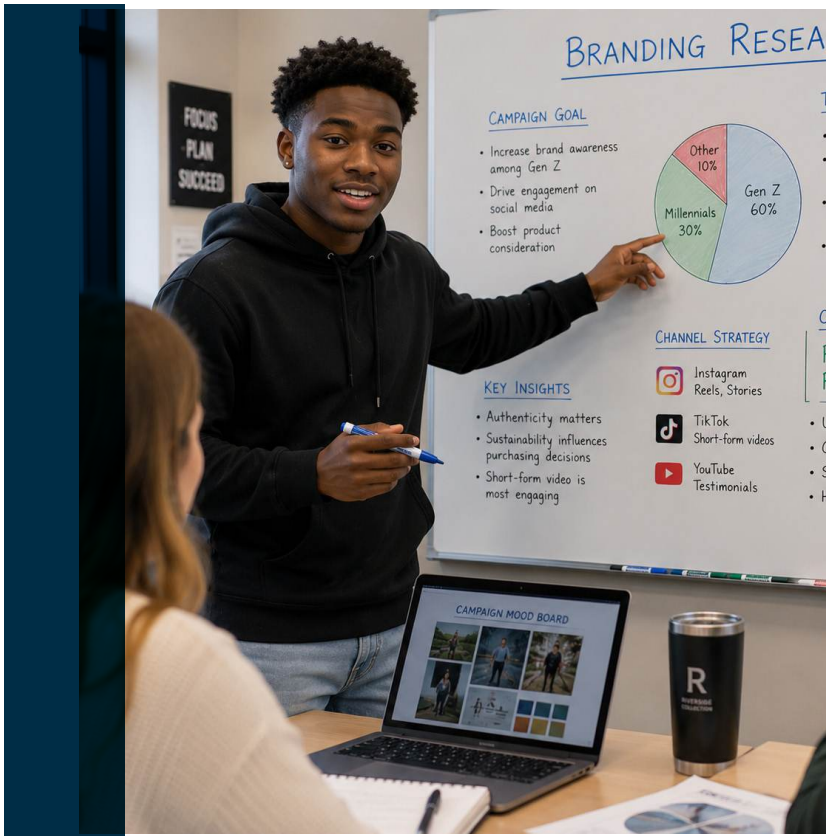
Students will master the art of talent management, team dynamics, and workplace culture, studying how organizations recruit, develop, and lead people. This course is equivalent to MGT 201: Principles of Management.



Corporate Operations & Financials

3 Credits

Students will gain practical skills in business accounting, budget analysis, and quantitative methods used to keep enterprises profitable. This course is equivalent to ACC 101: Financial Accounting / Business Math.



Marketing & Brand Strategy

3 Credits

Students will explore market research, consumer behavior, and branding campaigns, learning how companies drive product demand in a competitive marketplace. This course is equivalent to MKT 101: Principles of Marketing.

Careers & Salaries

As the global economy grows more interconnected and data-driven, the demand for skilled business professionals continues to rise. With the expanding reach of e-commerce, supply chains, and digital marketing, business leaders play a vital role in ensuring organizations run efficiently, make sound financial decisions, and grow sustainably. According to the U.S. Bureau of Labor Statistics, business and financial occupations are projected to add about 942,500 job openings each year through 2034, with median pay well above the national average. This growth is attributed to expanding e-commerce, increasingly complex supply chains, and the growing use of data analytics to guide business decisions. As such, pursuing a career in business administration offers not only stability but also ample opportunities for advancement and specialization across nearly every industry.



Business/Management Trainee $40,000 - $55,000+ (entry-level) (BLS OEWS, May 2024)
Entry-level business graduates typically begin in coordinator, trainee, or associate roles, learning core operations, reporting, and client management skills before advancing into management positions.

Human Resources Specialist $50,000 - $70,000+ (BLS OEWS, May 2024)
HR specialists recruit, screen, and support employees, and manage workplace policies, benefits, and compliance for their organization.

Supply Chain Analyst / Logistician $49,000 - $90,000+ (BLS OEWS, May 2024)
Logisticians and supply chain analysts oversee the flow of goods, materials, and information, coordinating procurement, warehousing, and distribution to keep operations efficient.

Operations Manager $57,000 - $121,000+ (Payscale, 2026)
Operations managers oversee daily business functions, coordinating teams, budgets, and processes to meet organizational goals.

Business Analyst / Management Consultant $70,000 - $99,410+ (BLS OEWS, management analysts, May 2024)
Business analysts and management consultants evaluate company operations and recommend strategies to improve efficiency, cut costs, or drive growth.

Marketing Manager $75,000 - $150,000+ (BLS OEWS, May 2024)
Marketing managers plan and direct campaigns that build brand awareness, analyze consumer behavior, and drive product demand.

Human Resources Manager $95,000 - $140,030+ (BLS OEWS, May 2024)
HR managers plan, direct, and coordinate an organization's administrative functions, overseeing recruitment, employee relations, and compliance strategy.

Supply Chain / Logistics Director $90,000 - $130,000+ (Techneeds, 2024)
Supply chain directors oversee the entire product journey from procurement to delivery, managing forecasting, vendor relationships, and distribution strategy.

Financial Manager / Business Analyst (Senior) $100,000 - $150,000+ (BLS OEWS)
Senior financial managers and analysts oversee an organization's financial health, **guiding budgeting, investment strategy, and long-term planning.**

Chief Operating Officer (COO) $122,090 - $200,000+ (BLS OEWS, , May 2024)
COOs oversee an organization's daily operations at the executive level, translating strategy into action across every department.

Certified Nursing Assistant



Marianne Field, R.N.
Instructor
Certified Nursing Assistant

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REGION 10
TECHNICAL HIGH SCHOOL

CERTIFIED NURSING ASSISTANT

About
The C.N.A. Program

A Certified Nursing Assistant (C.N.A.) is a vital member of the healthcare team, providing essential support to patients and nurses alike. As a C.N.A., you'll be at the forefront of patient care, assisting with daily tasks such as bathing, dressing, and feeding. Beyond these essential duties, CNAs also offer emotional support and companionship to patients, fostering a compassionate and nurturing environment.

Our Program

Earn 4 college credits while embarking on an exciting journey into the heart of healthcare with our tailored program designed for high school juniors and seniors. Over the course of one year, students dive into a comprehensive curriculum that serves as a solid foundation for a rewarding career in the medical field.

A Career in Itself and Beyond

While the C.N.A. program serves as an introduction to the healthcare field, it's important to note that working as a C.N.A. can be a fulfilling career in its own right. Many CNAs find immense satisfaction in their roles, enjoying the direct impact they have on patients' lives. Moreover, for students considering further education in healthcare, working as a C.N.A. while in college can be a strategic move. Not only does it provide valuable experience and income, but it also offers insight into various aspects of healthcare, helping students make informed decisions about their career paths.

Your Path to Success

Our program isn't just about earning a certification—it's about preparing you for a fulfilling career in healthcare. While working towards your C.N.A. certification, you'll also enhance your competencies across various medical fields. From mastering medical terminology to gaining practical experience with patients, you'll build a strong foundation for future endeavors in healthcare.

Eligibility Requirements

To join our program, students must be at least 16 years old by September 1 of the current school year, have completed their sophomore year successfully, and maintain a strong attendance record.

Program Statement

Upon completion of our program, students meeting state-mandated requirements for grades and attendance will emerge with the foundational knowledge and skills of a Certified Nursing Assistant. With over 70 hours of direct patient care at local community nursing facilities, you'll test for certification as a Maine State Certified Nursing Assistant and be well-equipped to pursue further opportunities in the dynamic field of healthcare.



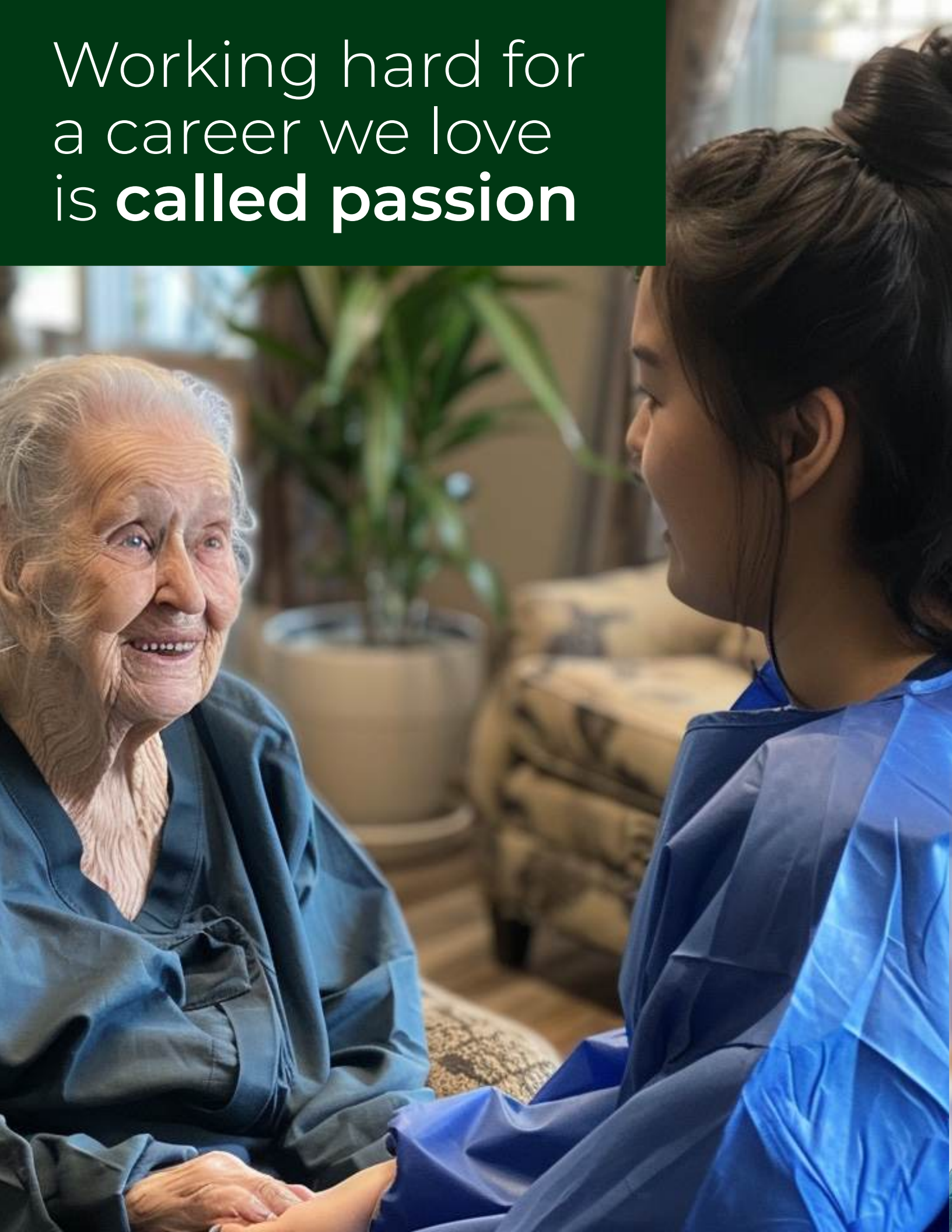


Being a nurse means **making a difference in someone's life every day.**

C.N.A

FOLLOW US ON

Working hard for a career we love is **called passion**



Clinical Hours

Mid-Coast Senior Health, Hawthorne House & Horizons Living

Diverse Learning Environment:
At Mid-Coast Senior Health Center & Horizons Living & Rehab, students encounter a wide spectrum of patient needs and conditions, from assisting with daily activities to providing emotional support. This exposure prepares them to address the holistic needs of elderly individuals and navigate diverse scenarios in their future careers.

Building Meaningful Relationships:
Forming connections with residents not only enriches their lives but also enhances students' empathy, compassion, and communication skills. These relationships offer valuable insights into person-centered care and the human experience, shaping students into more compassionate healthcare professionals.

Interdisciplinary Collaboration:
Working alongside nurses, therapists, and other staff members exposes students to interdisciplinary teamwork, emphasizing the importance of collaboration and communication in healthcare. This experience prepares students for the collaborative nature of the healthcare industry and ensures comprehensive care for patients.

Transformative Learning Experience:
Through hands-on experience, relationship-building, and interdisciplinary collaboration, students undergo a transformative learning experience that equips them with the skills, knowledge, and empathy needed to excel in the healthcare field. Working at a senior care facility as part of the C.N.A. program lays a solid foundation for their future careers as compassionate and competent healthcare professionals.





Careers

Salary Information

Each role may require additional education and certification beyond a CNA license, particularly for advancing to LPN or RN positions. Starting as a CNA, however, provides a foundational skill set beneficial for these health-related careers.

Licensed Practical Nurse (LPN) $48,820, higher experience earning $63,360.

LPNs provide basic nursing care under the supervision of registered nurses and doctors. They monitor patient health, administer basic patient care, provide medication, and maintain patient health records.

Registered Nurse (RN) $77,600, with top earners making more than $120,000.

Description: Registered nurses coordinate and provide patient care, educate patients and the public about various health conditions, and provide advice and emotional support to patients and their family members.

Medical Assistant $37,190, with higher earnings up to $48,720.

Medical assistants complete administrative and clinical tasks in hospitals, offices of physicians, and other healthcare facilities. Their responsibilities may include taking and recording vital signs, assisting during examinations, and handling billing and coding information.

Radiation Tech $40,000, with experienced individuals earning more than $90,000+

Radiation Technicians, play a crucial role in the healthcare field by operating imaging equipment to create diagnostic images of patients' bodies. They work closely with radiologists and other healthcare professionals to perform X-rays, CT scans, MRIs, and other imaging procedures.

Surgical Technician $49,710, with potential earnings up to $73,110.

Surgical technicians, also known as operating room technicians, assist in surgical operations under the supervision of surgeons, registered nurses, or other surgical personnel.

Patient Care Technician $33,420, with top earners making approximately $49,000

These technicians provide hands-on care to patients with various healthcare needs. They may perform duties similar to those of a CNA but with additional responsibilities like blood draws, EKGs, and basic lab tests.

(U.S. Bureau of Labor Statistics)



Our **Student Voices**

Tiegan McAllaster '24

“I had heard about Region 10 from my family when I was young, and as an aspiring nurse, I always knew I wanted to go to Region 10 and take the CNA class. I knew the CNA class would help me tremendously on my journey to becoming a nurse. I did not know, however, that the CNA class and Region 10 would far surpass my expectations as a learning environment that truly made my last two years of high school the best years of my young life.

One of the many things that make Region 10 special is the hands-on learning and the field experience you get by taking the class. Everything we learned we would always apply in the lab or in clinical or both. Mrs. McMahon would put on these role-play performances for us to apply the skills we learned in the classroom to real-life situations.

Once I earned my CNA license and even before, it was very clear that I had so many career opportunities waiting for me. Region 10 and Mrs. McMahon had many different employers come to talk to us and Region 10 put on a great job fair where there were endless job opportunities available for all students.

When I decided to take CNA I was taking it to become a CNA, I did not know that an amazing teacher and person would be teaching me all the skills to become a CNA. I don’t think there are any words that do Mrs. McMahon justice, but she is the most kind, caring, encouraging, and inspiring teacher and person I have ever met. She uses her life experience and her job experience to teach all of her students to be the best CNAs and people they can be. She teaches her students to exceed that standard of care in everything they do and in doing that she has built an outstanding reputation for herself and her students in the nursing community in the surrounding Brunswick area. I have been in many different situations where Mrs. McMahon’s name gets brought up and everyone who knows her loves her.

Since I graduated from the CNA program, I went on to work at an assisted living facility in a dementia unit for the summer. I am currently in my senior year of high school, and I am taking the EMT course where I have learned even more medical knowledge that will help me greatly in my journey to become a Registered Nurse. Next year I will be attending the University of Maine in the Bachelor of Science in Nursing degree program. My time in Mrs. McMahon’s CNA class is where I found my passion for being a caregiver and is something I will cherish for the rest of my life. “



Many nursing students from Region 10 Technical High School continue their professional growth by pursuing a RN program. Students like Hannah Morris who graduated at St. Joseph's, often invite Mrs. McMahon to pin them at their pinning ceremony, four years after they've moved on from Region 10, as a way to honor the significant influence she had on their early careers.



Shelby Bishop '17

Seven years after graduating from the CNA program at Region 10, I am still so thankful I had that opportunity. The CNA program taught me workforce readiness, how to care for patients, so much about the human anatomy, how to better be a part of the community, and how to be a member of a team in healthcare. Things I wouldn t have learned at my sending high-school. I also made amazing friends with common interests who I still talk to daily years later, and even had the opportunity to work with many of them throughout the years.

At the age of seventeen, I had my CNA certification and was able to start working at an assisted living community after school and on the weekends all because the CNA program prepared me. Thank you Mrs. McMahon and everyone else at R10 for believing in me and allowing R10 to be such a huge part of my high-school journey!

CREATIVE DIGITAL MEDIA



JEAN PALMER SMITH, MA

Instructor

Creative Digital Media

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REGION 10
TECHNICAL HIGH SCHOOL
CREATIVE
DIGITAL
MEDIA
Meganne Randall '25

Creative Digital Media

A career doing what you love

The Creative Digital Media program introduces students to the Adobe Creative Suite, equipping them with essential skills for navigating the dynamic fields of Digital Communications and Marketing.

Creative Digital Media explores the exciting world of digital media creation. In this course, students will create a comprehensive portfolio of digital artwork by utilizing the powerful tools within the Adobe Creative Suite, including Photoshop, Illustrator, InDesign, and After Effects. In addition to honing their artistic skills, students enrolled in this program earn 6 college credits per year, providing a valuable opportunity to jumpstart their academic and professional journey.

Throughout the program, students will not only gain proficiency in using industry-standard software but also develop a deep understanding of the principles and elements of design. From mastering photo manipulation to crafting stunning vector illustrations, students will learn to bring their creative visions to life with precision and finesse.

The CDM Classroom at Region 10 Tech

Equipped with state-of-the-art technology, each student will have access to a 27” iMac workstation and a large Wacom drawing tablet, providing an immersive and hands-on learning experience. Our classroom also boasts a well-developed art studio, where students can seamlessly transition from digital design to tangible creations.

In the art studio, students will have the opportunity to explore a wide range of mediums and techniques, expanding their artistic horizons beyond the digital realm. From printing their designs on mugs and t-shirts to delving into fused and stained glass, wood burning with the Glowforge, glass etching with the sandcarver, and crafting their own ceramic pieces, the possibilities are limitless.





A Creative Mind is a **Fertile Land for Growth** but **Growth Needs to be Nurtured**

Beau Siggins '26

Curriculum



FIRST YEAR STUDENTS

Earn 6 College Credits

2D DESIGN:

Students embark on a journey into the fundamentals of effective design. Starting with freehand techniques, they gradually transition to digital methods as their skills evolve.

DIGITAL FOUNDATIONS:

This comprehensive survey course introduces students to the Adobe Suite, covering essential tools such as Photoshop, Illustrator, InDesign, and After Effects.

SECOND YEAR STUDENTS

Earn 6 college credits

INDESIGN:

Building upon the principles learned in Digital Foundations, students delve deeper into InDesign. They learn to craft dynamic layouts, integrating their creations from Illustrator and Photoshop. Projects include infographics, brochures, and magazine layouts.

PHOTOSHOP:

Essential for digital creatives, this course provides an in-depth exploration of Photoshop. Students master essential techniques, gaining fluency in this indispensable program.

Photoshop

Photoshop is a leading image editing software used by photographers, designers, and artists to manipulate and enhance digital images. With its extensive array of editing tools and features, Photoshop allows users to achieve professional-level results in photo retouching, graphic design, and digital art creation.

Illustrator

Adobe Illustrator is a versatile vector graphics editor used by designers and artists to create illustrations, logos, icons, and other scalable graphics. With its comprehensive set of drawing tools Illustrator enables users to produce high-quality artwork for print, web, and multimedia projects.

InDesign

InDesign is a professional desktop publishing software used to create layouts for print and digital media such as brochures, magazines, and eBooks. With its intuitive design tools and precise typographic controls, InDesign empowers users to produce polished and visually appealing documents for various publishing needs.

AfterEffects

AfterEffects is a robust motion graphics and visual effects software widely utilized by filmmakers, v ideo editors, and animators. It enables users to create stunning animations, titles, and visual effects for film, television, and online media through its comprehensive set of tools and powerful compositing capabilities.

Premiere

Adobe Premiere Pro is a leading video editing software trusted by filmmakers, editors, and content creators. It offers a robust set of tools for editing, color grading, and audio mixing, enabling users to produce high-quality videos for film, TV, and online media with precision and efficiency.



THIRD YEAR STUDENTS:

ADOBE ILLUSTRATOR
ADOBE PREMIERE

FOURTH YEAR STUDENTS

ADOBE PREMIERE 2
WEBSITE DEVLOPMENT

Student Projects

FOLLOW US ON

To see a vast library of student work, please visit our instagram account @r10digitalmedia or visit r10tech.org/creativedigitalmedia



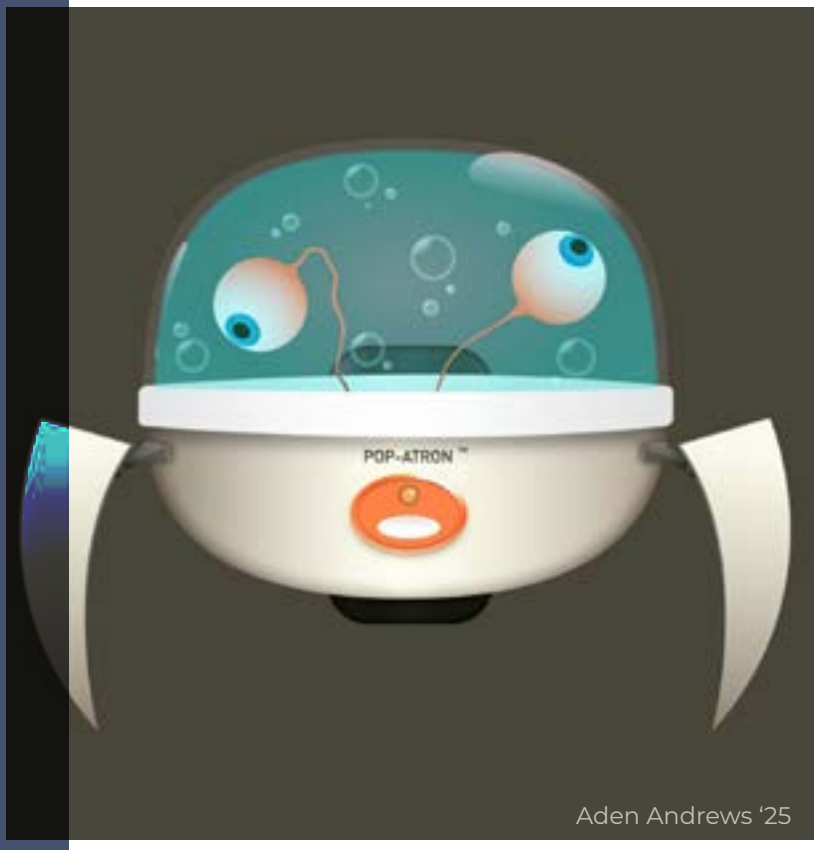
Autumn Brewer '23

"Repetition refines, **mastery lies in practice**

Unity Grid

2d Design 1st Year

The objective of the Unity Grid project is to develop a visual harmony and balance within the artwork through the systematic arrangement of elements within a grid structure. Students explore different ways to achieve unity incorporating elements such as shapes, lines, colors, and theme.



Aden Andrews ‘25

Character Design

Illustrator 2nd Year

In this character design project using Illustrator, students unleash their imaginations and creativity to craft unique and expressive characters. Through the use of vector-based tools and techniques, they will learn to manipulate shapes, lines, and colors to bring their characters to life.



Vesper O’Connor ‘25

Color Wheel Collage

Photoshop 2nd Year

In this Photoshop collage project, students delve into the world of color theory, exploring concepts such as complementary, analogous, and tertiary color schemes. Using a variety of images and digital manipulation techniques, they create visually stunning collages that showcase their understanding of color relationships and harmonies.

Careers & Salaries in Communications & New Media

Digital Marketing Specialist: $63,790- $120,000+ per year
Description: Develops and implements digital marketing campaigns across various online platforms to promote products or services.

Social Media Manager: $62,810 - $103,430 per year
Description: Manages an organization's social media presence, including content creation, community engagement, and performance analysis.

Digital Illustrator: $51,380 - $97,330 per year
Description: Create original digital artwork using illustration software and digital drawing tablets. Collaborate with clients or art directors to understand project requirements and deliver high-quality illustrations for various purposes, such as books, magazines, advertisements, and digital media.

Graphic Designer: $53,380 - $92,500 per year
Description: Creates visual concepts and designs for various digital and print media, including websites, advertisements, and branding materials.

Web Developer: $77,200 - $146,430 per year
Description: Designs and builds websites, web applications, and user interfaces using programming languages and development tools.

User Experience (UX) Designer: $77,200 - $136,390 per year
Description: Improves the usability and accessibility of digital products by designing intuitive user interfaces and experiences.

Video Producer/Editor: $63,780- $124,200 per year
Description: Plans, shoots, and edits video content for various purposes, including marketing campaigns, educational videos, and entertainment.

(Source: U.S. Bureau of Labor Statistics)



Employment in New Media and Communications is projected to grow faster than the average for all other occupations, an estimated 14%, over the next 10 years.

(U.S Bureau of Labor Statistics)

Alumni Voices

"Learning about the Adobe software in Ms. Palmer's class was amazing. She introduced us to so many different types of software and ways that they can be used for a career. With all the different options it was hard to pick a favorite, but eventually I fell in love with the idea of logo design. I started working on logos outside of school, perfecting my craft, and for the first time ever I was enjoying learning and was motivated. I ended up finding my first client super quick. I was commissioned to make a logo for his landscaping company and as soon as I got that first job I knew I found what I wanted to do."

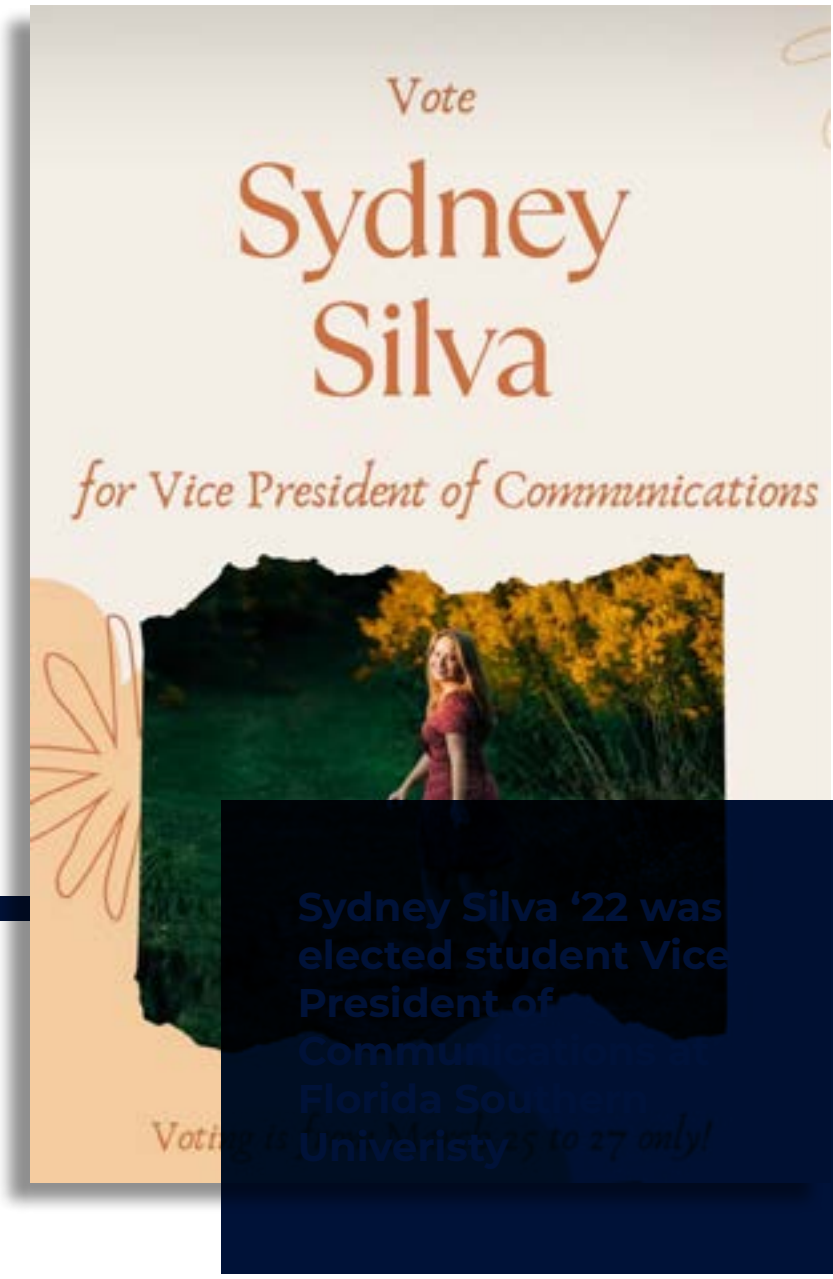
--Justin Dennison
SMCC

When I began in Ms. Palmer's class as a senior, I had no digital art experience. But through her teaching I was able to gain experience and create an amazing portfolio that helped me get into my dream school, Florida Southern University. I can say that now that I am in college receiving my BFA in Graphic Design, I have been able to excel among my classmates due to my prior experience with the Adobe software.

--Sidney Silva
Florida Southern University

This class taught me to see the principles and elements of design in every project. It also gave me a new appreciation for art and history museums. I also had the opportunity to do game development during studio time, something I've personally wanted to do for a long time. I am now pursuing a career in this field at Thomas College.

--Stephanie Johnson
Thomas College



"An inviting and inclusive learning environment which allows students to learn no matter what their life path"

-Sydney Silva



Madison Shepard
Class of 2022

“The Creative Digital Media program taught me so, so much, and really sparked my passion for Graphic Design. I recieved 12 credits from the program, and was able go on to SMCC with 4 classes completed. I still talk to my teacher from Region 10 to this day, and she is one of my biggest mentors when it comes to art and design. I gained so much knowledge in digital media across the board, as well as a well-rounded education in Adobe Illustrator, Photoshop, and InDesign. Because of this class, I was able to graduate SMCC in 2 years with a degree in Communications and New Media. I was encouraged every step of the way during my time at Region 10, and I would recommend it to anyone and everyone.”

Culinary Arts



Chef Tim Dean
Instructor
Culinary Arts

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REGION 10
TECHNICAL HIGH SCHOOL

CULINARY ARTS





Culinary Arts

Discover the vibrant world of culinary arts in our exhilarating two-year program, where students immerse themselves in cooking, baking, and international cuisine while mastering essential skills such as sanitation, menu planning, and cost control.

Earn 3 college credits

Embark on a thrilling culinary journey in our dynamic two-year Culinary Arts Program, where students dive into the art of cooking, baking, sautéing, and exploring international flavors alongside mastering essential skills such as sanitation, hygiene, and safety protocols. From menu and event planning to nutrition, diet, and portion control, our comprehensive curriculum covers every aspect of the culinary world, including mastering recipes, measuring methods, and the creation of tantalizing appetizers, soups, salads, proteins, desserts, and quick breads. With a focus on supervision, management, and budgeting, students also learn about cost control, purchasing, receiving, and storing ingredients, while gaining insight into the nuances of utilizing local foods and cheese & dairy products. From perfecting meat, poultry, and shellfish dishes to mastering the art of soups, stocks, and sauces, our program equips graduates with the expertise needed to thrive in professional kitchens. Additionally, students develop essential job procedures, resume-building skills, and a deep understanding of food safety, ensuring they're well-prepared for successful culinary careers.

Students who commit to completing two years in the Culinary Arts Program will be well-prepared to secure advanced positions within any culinary setting. This program also serves as an excellent preparatory step for those aiming to further their education in a college culinary program, where they can excel from the outset. Additionally, enterprising students will find that this program offers the knowledge and experience needed to eventually start their own food-related business.





Skills & Objectives

Through hands-on training, comprehensive curriculum, and real-world experiences, we aim to foster a deep understanding of cooking techniques, menu planning, kitchen management, and food safety, preparing students for rewarding careers.

Skills

- Sanitation/ Hygiene
- Menu /Event Planning
- Nutrition & Diet
- Recipe Use / Measuring Methods
- Supervision / Management
- Cost & Portion Control
- Budgeting
- Purchasing / Receiving / Storing
- Safety
- Job Procedures / Resumes

Areas of Concentration

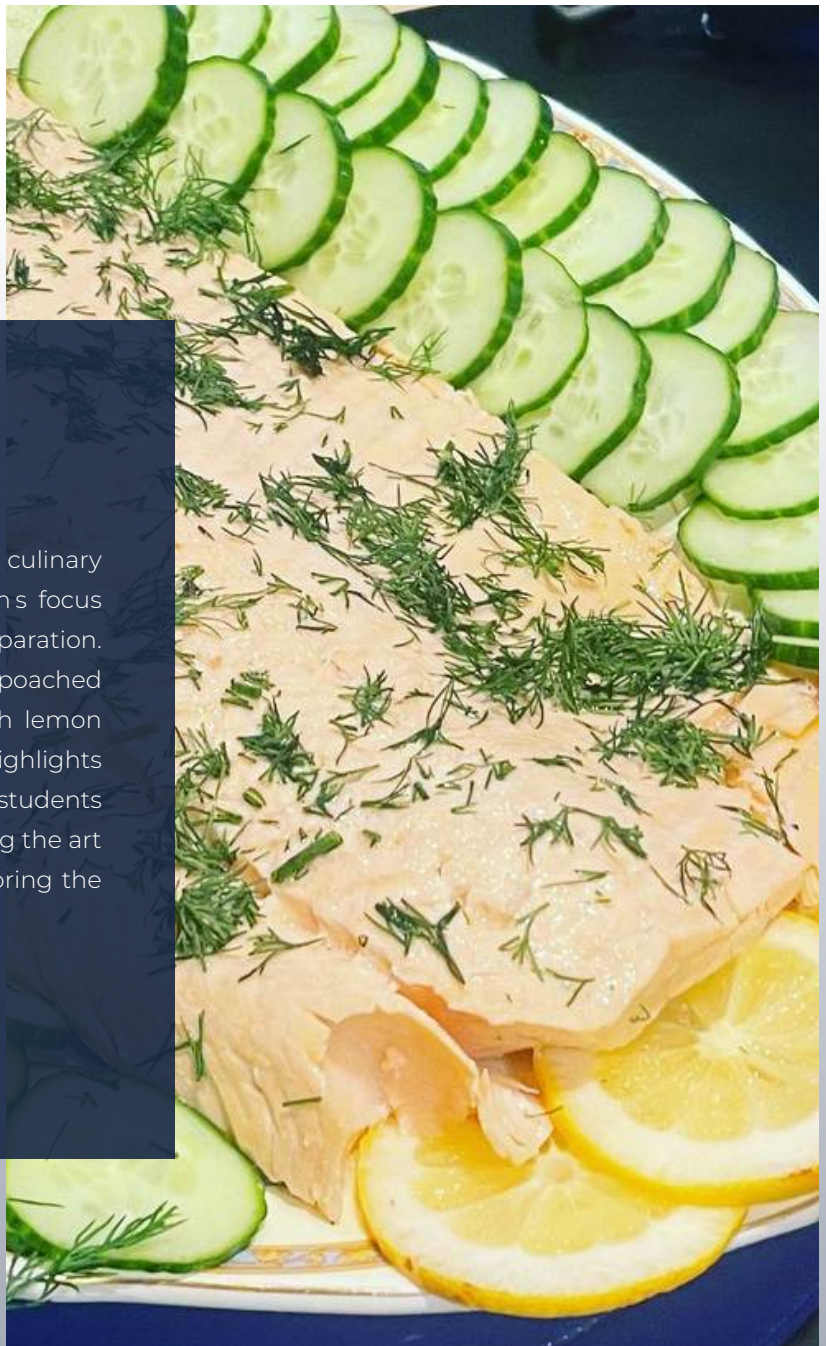
- Quick Breads
- Appetizers / Soups / Salads / Proteins
- Cheese & Dairy Products
- Dessert
- Local Foods
- Meats / Poultry / Shellfish
- Stocks / Sauces

CULINARY ARTS

FOLLOW US ON

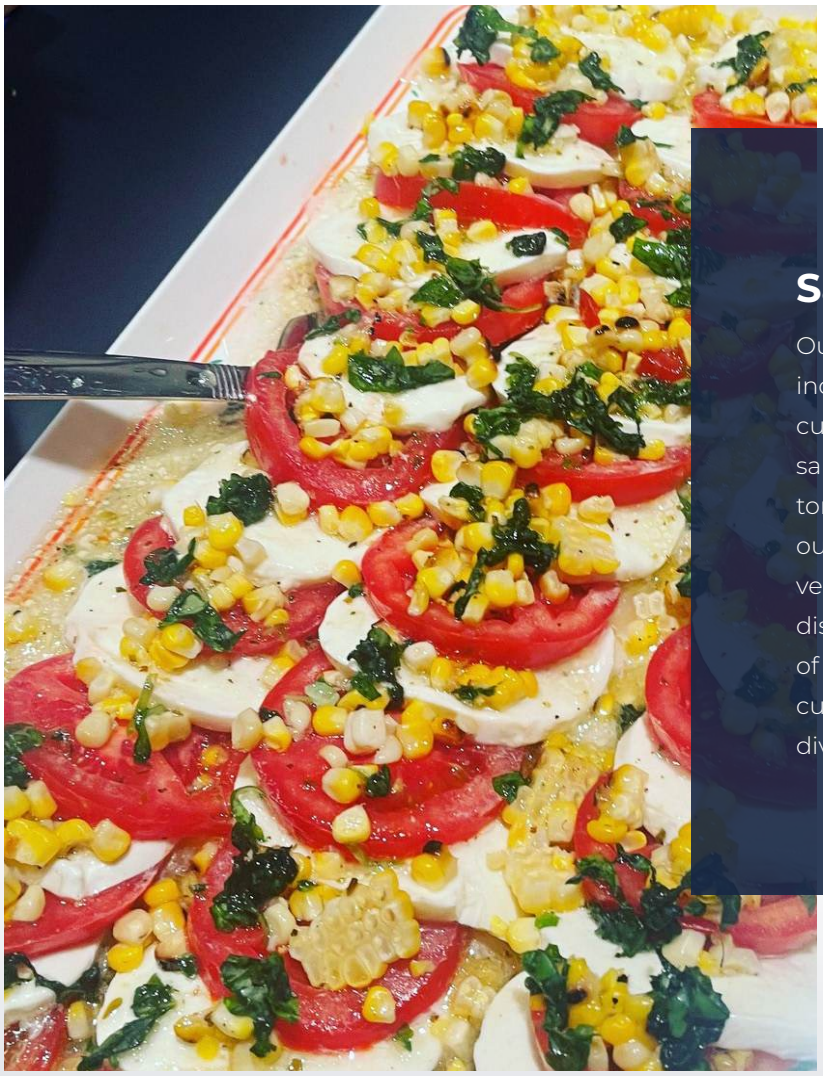
Class Projects

Chef Tim Dean guides students through an expansive culinary experience, introducing them to a diverse range of recipes. From mastering the art of cooking meats and seafood to sautéing vegetables, crafting fruit and cheese delicacies, and baking an array of cookies, pies, and cakes, students embark on a journey of culinary discovery.



Seafood

Experience the essence of culinary expertise with our program s focus on meat and seafood preparation. This captivating image of poached salmon, adorned with fresh lemon and cucumber slices, highlights the precision and skill our students develop. Join us in mastering the art of culinary finesse and savoring the delicious results.



Salads

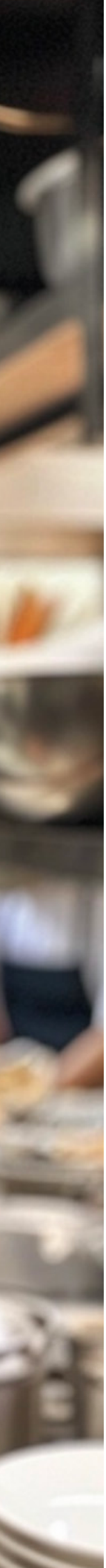
Our culinary program s emphasis on incorporating local produce into global cuisine has delightful results. This vibrant salad features fresh mozzarella, ripe tomatoes, and sweet corn, showcasing our commitment to using locally sourced vegetables and fruits to craft international dishes. Join us as we explore the intersection of tradition and innovation, creating culinary masterpieces that celebrate the diversity of flavors from around the world.



Desserts

Made with native berries bursting with sweetness and paired with a classic recipe, each bite is a nostalgic delight. With precision and creativity, our culinary students transformed simple ingredients into a work of art, showcasing their dedication and skill in the kitchen.





Careers & Salaries

Chef or Head Cook $53,380 - $90,790

Chefs and head cooks oversee the daily food preparation at restaurants and other places where food is served. They direct kitchen staff and handle any food-related concerns.

Pastry Chef $41,640 - $62,000

Pastry chefs specialize in creating desserts, pastries, breads, and other baked goods. They are often employed in specialty shops, bakeries, restaurants, and hotels.

Restaurant Manager $56,590 - $92,000

Restaurant managers oversee the operation of dining establishments. They manage staff, ensure compliance with health and safety regulations, and strive to provide excellent customer service.

Catering Manager $55,320 - $86,000

Catering managers plan, direct, and coordinate the food and beverage services for events. They work with clients to develop menus and oversee the setup and execution of events.

Food Stylist $33,000 - $75,000

Food stylists prepare food for photography, video, and film. This often involves making dishes look aesthetically pleasing and appetizing on camera.

Personal Chef $30,000 to $80,000

Personal chefs prepare meals in clients' homes, according to their preferences and dietary requirements. They might also serve small gatherings or special events.

Sommelier $50,000 to over $100,000

Sommeliers are wine specialists who work in fine dining restaurants. They are responsible for curating the wine list, pairing wines with dishes, and serving wines to customers.

(U.S. Bureau of Labor Statistics)

H.V.A.C. & Plumbing



Leo Yepez
Instructor
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REGION 10
TECHNICAL HIGH SCHOOL

HEATING, VENTILATION A/C & PLUMBING

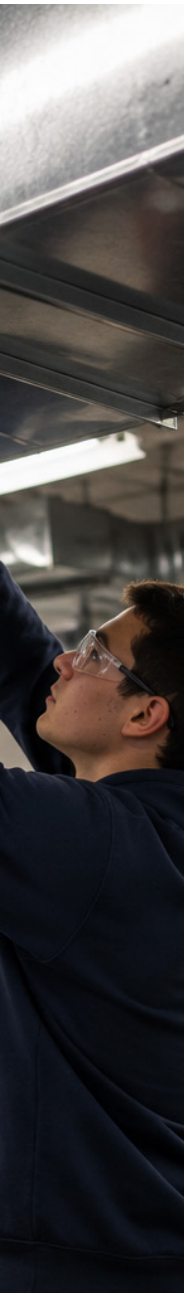
Heating, Ventilation, A/C & Plumbing

Our HVAC & Plumbing program is about mastering the systems that keep modern life running. From installing furnaces to maintaining refrigeration units and ensuring clean, safe water flow, students gain the expertise that keeps homes, businesses, and public spaces operating smoothly. Our hands-on curriculum mirrors real industry practice, giving students the confidence to work with professional-grade tools, diagnose system issues, and maintain essential mechanical systems.



From the first day, students jump directly into the fundamentals of system installation, maintenance, and repair. They learn how heating and cooling units operate, how air moves through buildings, how refrigeration systems preserve the food we depend on, and how plumbing systems safely transport water in and out of homes and businesses. Students work with furnaces, boilers, air conditioning units, refrigerants, pumps, motors, piping, smart thermostats, and modern energy-efficient control systems.

In the second year, students advance to more complex system diagnostics, efficiency testing, refrigeration cycles, modern energy technologies, and integrated HVAC/plumbing designs used in today's high-performance buildings.



Build Today, Master Tomorrow: **Launch Your Future with HVAC & Plumbing**



The Skills You Master Now Are the **Foundation You'll Stand On for Years to Come**

Year One & Year Two

HVAC & Plumbing Year 1

This program builds foundational skills in HVAC and plumbing, covering shop safety and codes, heating and cooling systems, refrigeration, and piping fundamentals. Students gain hands-on experience with electrical components, smart thermostats, blueprint reading, and code compliance with NFPA, Maine Heating, and State Plumbing standards.

HVAC & Plumbing Year 2

Second-year students advance to system diagnostics, efficiency testing, and advanced plumbing installation. Coursework covers refrigeration technologies, high-efficiency energy systems, and integrated HVAC/plumbing design, along with professional skills and apprenticeship preparation.

Class Projects

Hands-on projects are a cornerstone of the HVAC & Plumbing program, providing students with invaluable practical experience and skill development. Through these projects, students not only apply theoretical knowledge but also gain confidence in tackling real-world mechanical and plumbing challenges. This hands-on approach fosters critical thinking, problem-solving, and the technical precision employers expect.

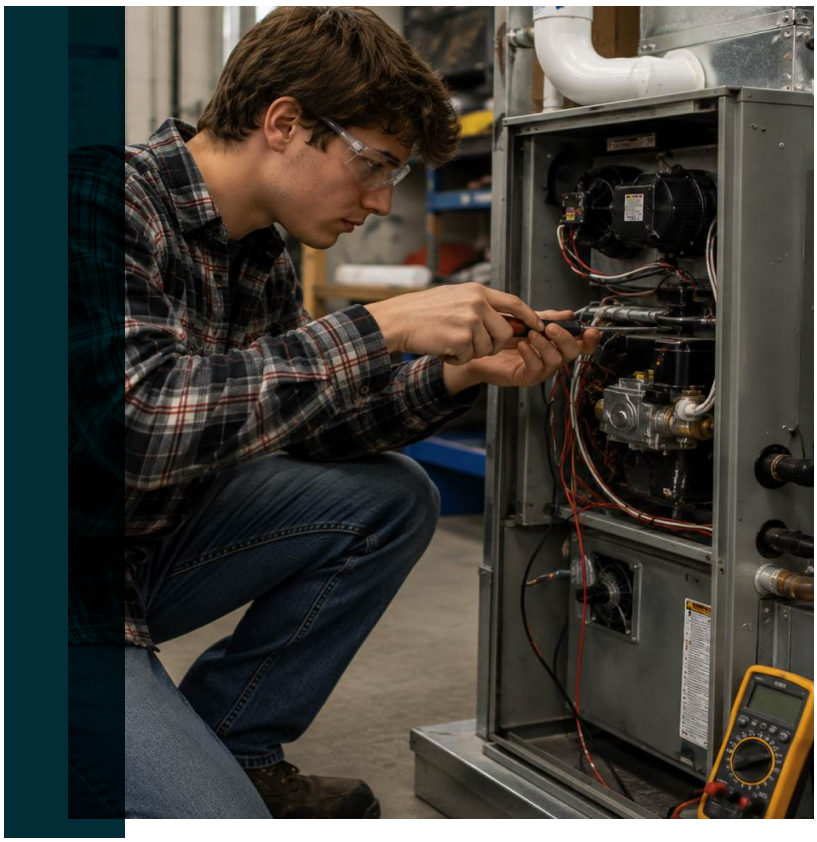


> Hands-on learning **fosters practical skills & understanding**

Residential Wiring & Comfort System Install

Year One Project

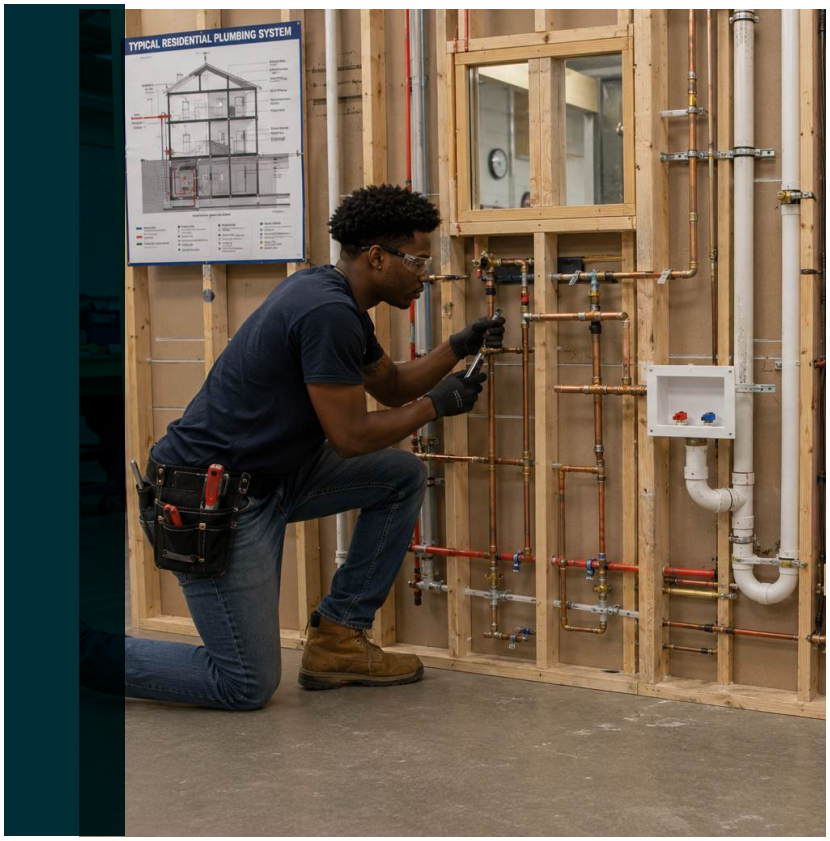
Students will simulate installing a complete residential HVAC system based on provided blueprints, focusing on ductwork layout, thermostat placement, and code-compliant equipment installation from start to finish.



Furnace Diagnostic & Repair Bay

Year Two Project

Students will troubleshoot a malfunctioning furnace using industry-standard diagnostic tools, working through a checklist of ignition, airflow, and electrical faults to identify and correct the issue — just as a service call would unfold in the field.



Whole-House Plumbing Rough-In

Year Two Project

Students will plan and assemble a full residential plumbing rough-in on a training wall, running supply and drain lines to code, fitting valves and fixtures, and pressure-testing the system for leaks before final sign-off.

Careers & Salaries

As buildings become more energy-efficient and climate control more essential to daily life, the demand for skilled HVAC and plumbing technicians continues to grow. With the expansion of smart thermostats, high-efficiency systems, and modern water infrastructure, HVAC and plumbing technicians play a vital role in keeping homes, schools, and businesses safe, comfortable, and running. According to the U.S. Bureau of Labor Statistics, employment of HVAC technicians is projected to grow by 8% between 2024 and 2034, much faster than the average for all occupations, while plumbers, pipefitters, and steamfitters are projected to grow 4% over the same period. This growth is attributed to continued construction, the replacement of aging systems, and rising demand for energy-efficient technology in homes and businesses. As such, pursuing a career in HVAC and plumbing offers not only stability but also ample opportunities for advancement and specialization in an essential, evolving industry.



Master HVAC/Plumbing Technician $65,000 - $85,000+ (for experienced techs with 4+ years) (Payscale, 2026)
Master technicians have advanced certifications and several years of field experience. They handle the most complex diagnostics and installations, train apprentices, and ensure compliance with mechanical and plumbing codes.

HVAC/Plumbing Contractor $75,000-$150,000+ (for established contractors) (Workiz, 2026)
Contractors are licensed professionals who oversee HVAC and plumbing projects from start to finish. They bid on projects, manage teams of technicians, and ensure work meets quality and safety standards.

Mechanical Engineer (HVAC Systems) $85,000 - $130,000+ per year (for experienced engineers in specialized fields or leadership roles) (BLS OEWS, 2024)
With field experience and further education, technicians may pursue engineering roles designing HVAC and refrigeration systems. They may work in manufacturing, commercial construction, or energy efficiency consulting.

Building Automation / Controls Engineer $75,000-$110,000+ per year (for experienced engineers with expertise in smart building systems) (ZipRecruiter, 2026)
Building automation engineers design, program, and implement smart control systems for HVAC, lighting, and security in commercial buildings. They may specialize in programmable controls or energy management systems.

HVAC/Plumbing Project Manager $75,000-$110,000+ per year (for project managers with extensive experience and successful project delivery) (Payscale, 2026)
Project managers oversee the planning, execution, and completion of large HVAC or plumbing installations. They coordinate with clients, engineers, and contractors to ensure projects are completed on time and within budget.

Energy Efficiency Consultant $65,000 - $95,000+ (for consultants with specialized knowledge and a track record of successful projects) (ZipRecruiter, 2026)
Energy efficiency consultants advise clients on high-efficiency heating, cooling, and plumbing solutions. They assess system performance, recommend upgrades, and provide expertise on rebate and regulatory programs.

Technical Trainer/Instructor $55,000-$85,000+ per year (for experienced trainers with industry certifications and advanced teaching skills) (Payscale, 2026)
Technical trainers teach HVAC and plumbing concepts, codes, and practices to apprentices, students, or employees. They may work in vocational schools, community colleges, or as corporate trainers.

Informational Technology & Cyber Security



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REGION 10
TECHNICAL HIGH SCHOOL

INFORMATION TECHNOLOGY & CYBERSECURITY





INFORMATION TECHNOLOG
& CYBERSECURITY

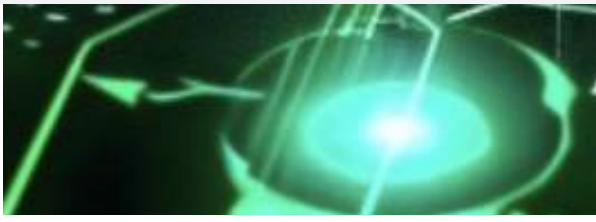
Welcome to the exciting world of cybersecurity and information technology, where we explore the digital landscape, defend against cyber threats, and master the tools of the digital age.

First Year

In the first year of the Information and Computer Technology program, students will delve into various aspects of computer technology and software applications, engaging with hardware, software, operating systems, servers, mobile app development, and networking through both theoretical study and hands-on, real-world projects. Additionally, students will receive an introduction to database structure and design, as well as fundamentals of data security utilizing JavaScript and SQL.

Second Year

In the second year, the focus shifts to Cybersecurity, where students deepen their understanding of data security while building upon networking and database design concepts introduced in the previous year. Students will develop a comprehensive Technology-Based Portfolio, showcasing their skills and knowledge, which can be utilized for academic pursuits and career advancement. Furthermore, students will have the opportunity to pursue COMP-TIA certifications, highly sought after in the field of cybersecurity.





INFORMATIONAL TECHNOLOGY & CYBERSECURITY

In today's digital age, where technology permeates every aspect of our lives, the demand for skilled professionals in Information Technology and Cybersecurity has never been higher. By embarking on a program in this field, you are not only preparing yourself for a dynamic and constantly evolving industry but also positioning yourself at the forefront of safeguarding vital digital assets and infrastructure.

With cyber threats becoming increasingly sophisticated and prevalent, organizations across industries are prioritizing cybersecurity measures to protect sensitive data, maintain operational continuity, and uphold customer trust. As an IT and cybersecurity professional, you will play a pivotal role in identifying vulnerabilities, implementing robust defense mechanisms, and mitigating risks to ensure the integrity, confidentiality, and availability of information systems.

Moreover, the field of Information Technology offers a wide array of career pathways, ranging from network security and ethical hacking to digital forensics and risk management. This diversity allows you to tailor your expertise to match your interests and strengths, while also providing ample opportunities for career advancement and specialization.

Furthermore, the demand for cybersecurity professionals consistently outpaces the supply, leading to a favorable job market with competitive salaries and abundant opportunities for growth. Whether you aspire to work in government agencies, multinational corporations, financial institutions, or tech startups, the skills and knowledge acquired through a program in IT and cybersecurity will open doors to exciting career prospects and enable you to make a meaningful impact in safeguarding digital assets on a global scale.

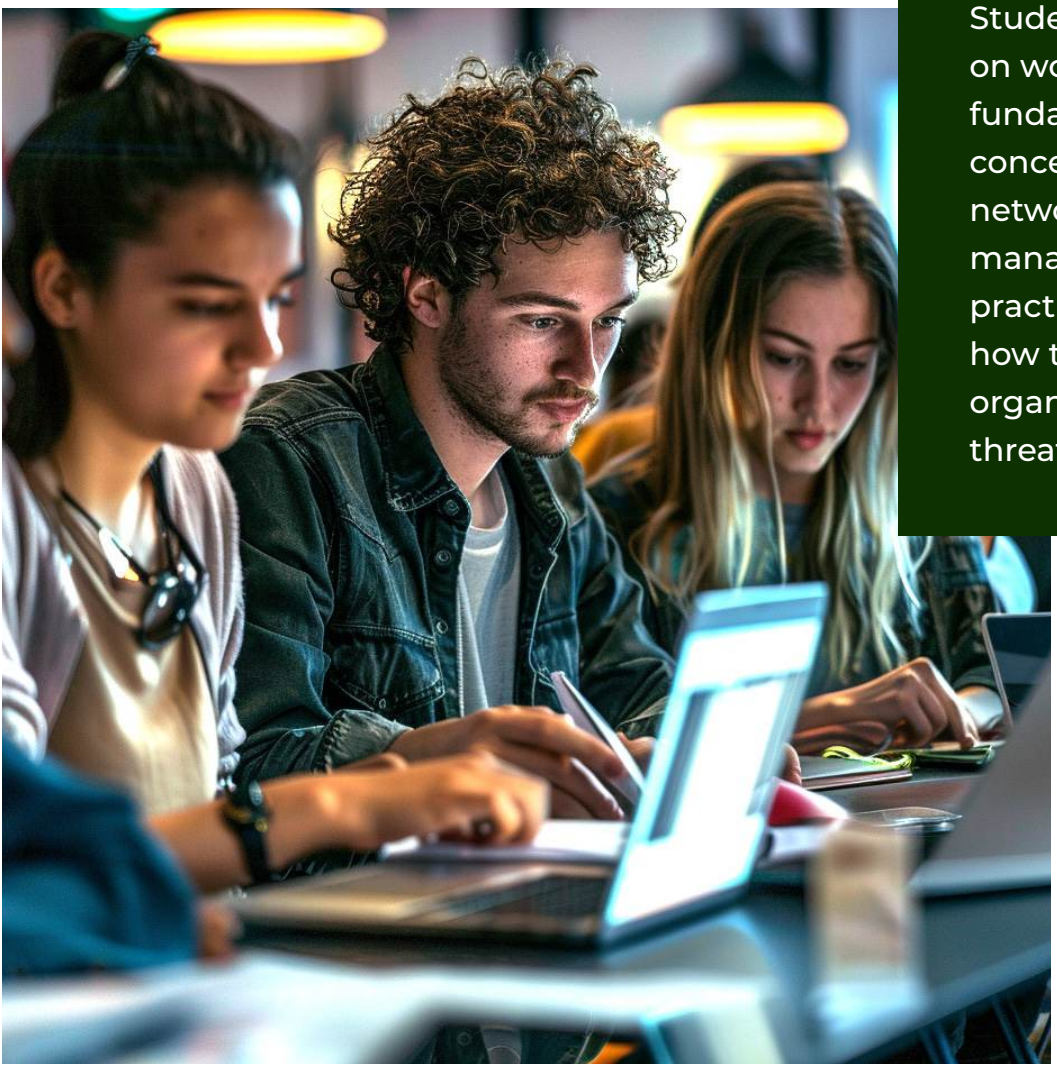
Individuals equipped with the knowledge and expertise to fortify their digital defenses, protect sensitive data, and ensure the integrity of their systems. Moreover, the field of Information Technology and Cybersecurity offers not only job security but also a pathway to continuous learning and advancement, as technology evolves and new challenges emerge. By choosing to pursue a career in this rapidly evolving field, individuals can position themselves at the forefront of innovation and contribute to safeguarding critical infrastructure.



“The demand for cybersecurity professionals **consistently outpaces the supply**”

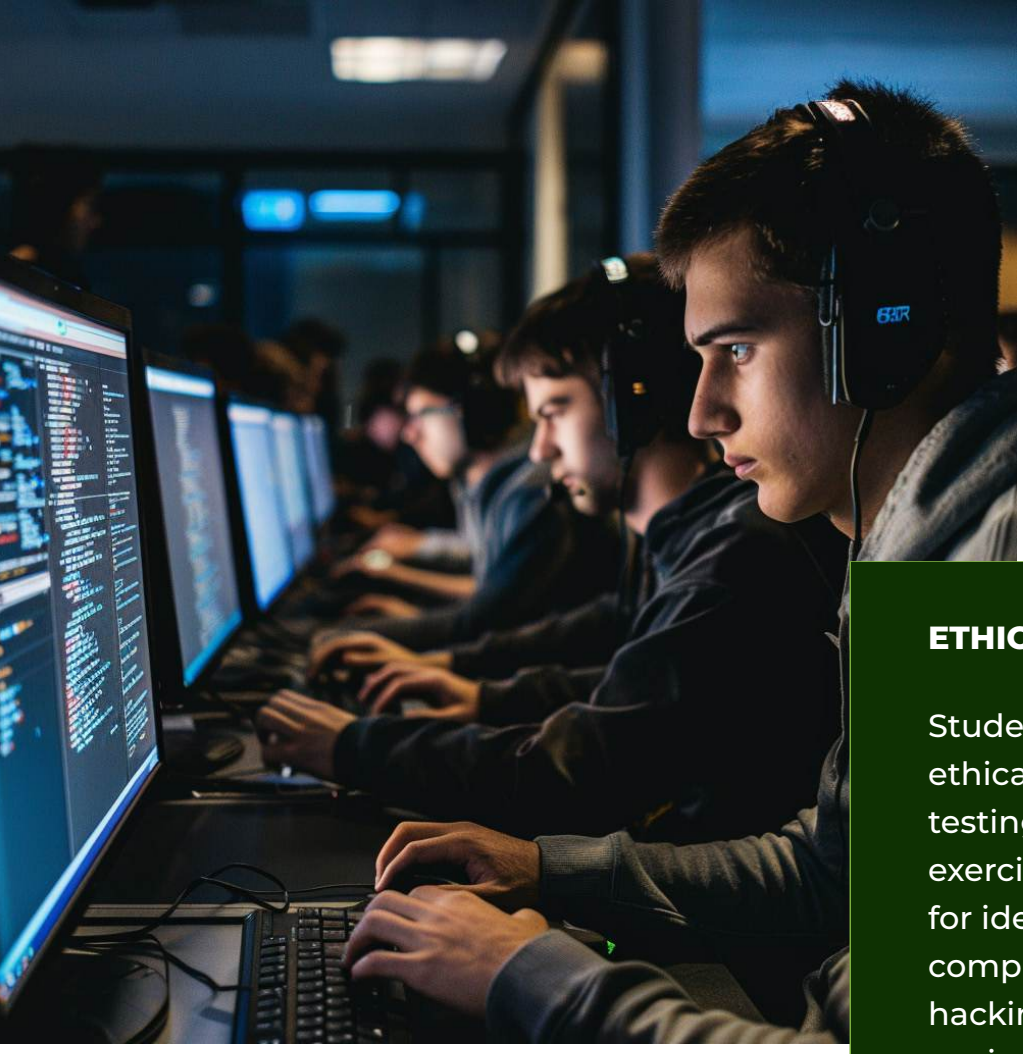
FIRST & SECOND YEAR PROJECTS

In the rapidly evolving world of Information Technology (IT) and cybersecurity, hands-on learning and dynamic scenarios are paramount for developing proficiency and readiness. These immersive experiences provide students with more than just theoretical knowledge; they offer practical skills, problem-solving abilities, and the adaptability needed to navigate the complexities of today's digital landscape. Unlike traditional classroom lectures, hands-on activities immerse students in real-world scenarios, allowing them to apply concepts in simulated environments. Whether it's simulating cyber attacks, dissecting malware, or designing security protocols, these experiential learning opportunities foster a deeper understanding of IT concepts and cultivate the critical thinking skills essential for success in this field. By actively engaging with technology and confronting challenges head-on, students not only gain technical expertise but also develop the confidence to tackle real-world IT issues.



CYBERSECURITY WORKSHOP

Students participate in a hands-on workshop where they learn fundamental cybersecurity concepts, such as encryption, network security, and password management. They engage in practical exercises to understand how to protect personal and organizational data from cyber threats.



CYBER-SECURITY

FOLLOW US ON

ETHICAL HACKING

Students learn the principles of ethical hacking and penetration testing through practical lab exercises. They explore techniques for identifying vulnerabilities in computer systems, conducting ethical hacking experiments in a controlled environment, and recommending security measures to mitigate risks.

CYBER ATTACK SIMULATION

Students simulate real-world cyber attacks and defense scenarios to understand the tactics used by hackers and how to defend against them. They role-play as both attackers and defenders, learning about common attack vectors, malware analysis, and incident response procedures.





CAREERS & SALARIES

These careers offer a wide range of opportunities for graduates of the Information and Computer Technology program, with competitive salaries and prospects for career advancement in the rapidly evolving field of technology

Network Administrator $60,000 to $100,000 annually

Responsible for the implementation and maintenance of an organization's computer networks, ensuring smooth communication and connectivity.

Systems Analyst $65,000 to $110,000 annually

Analyzes computer systems and designs solutions to optimize efficiency and meet the needs of an organization.

Cybersecurity Analyst $70,000 to $120,000 annually

Protects an organization's computer systems and networks from cyber threats, identifying vulnerabilities and implementing security measures.

Database Administrator $70,000 to $115,000 annually

Manages and maintains databases, ensuring data integrity, security, and accessibility for users.

Software Developer $75,000 to $130,000 annually

Designs, develops, and tests software applications, ranging from desktop and web applications.

IT Project Manager $80,000 to $140,000 annually

Oversees the planning, implementation, and completion of IT projects, ensuring they are delivered on time and within budget.

Information Security Manager $90,000 to $150,000 annually

Manages an organization's overall security strategy, policies, and procedures to protect against cyber threats and ensure compliance with regulations.

Cloud Solutions Architect $95,000 to $160,000 annually

Designs and implements cloud-based solutions for organizations, leveraging cloud technologies to improve scalability, reliability, and cost-effectiveness.

IT Consultant $100,000 to $170,000 annually

Provides expert advice and guidance to organizations on how to leverage technology to achieve their business objectives and solve complex problems.

Chief Information Officer (CIO) $120,000 to $200,000+ annually

Oversees an organization's IT strategy and operations, aligning technology initiatives with business goals and objectives.

(U.S. Bureau of Labor Statistics)

EARLY CHILDHOOD EDUCATION



MEG BLAKE, MA

Instructor

Early Childhood Education

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REGION 10
TECHNICAL HIGH SCHOOL

EARLY CHILDHOOD EDUCATION

ABOUT OUR PRE-SCHOOL



Our Pre-School

Practical, Hands-On Experience for Student Educators

At Region 10 Technical High School, the early education program presents a unique opportunity for students to engage directly with preschool-aged children. Through the preschool program, open to 3-5 year-olds, students not only develop activities tailored to the younger demographic but also gain invaluable hands-on experience by implementing these activities in a real-world setting. This immersive learning environment allows students to refine their skills in child development, classroom management, and activity planning while fostering meaningful interactions with young learners. By actively participating in the preschool program, students not only enhance their understanding of early childhood education but also prepare themselves for future careers in childcare and education.

ABOUT OUR PROGRAM

Prepare for a rewarding career in Early Childhood Education with our comprehensive two-year program. Gain hands-on experience in our Community Preschool program, develop essential teaching skills, and earn college credits while making a difference in the lives of young learners.

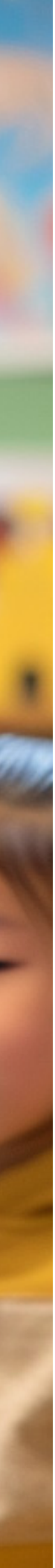


Early Childhood Education

This two-year program equips students with the skills required to teach and manage a preschool program. In the first year, students focus on developing essential teaching skills and managing a preschool classroom, spending three days a week gaining hands-on experience in our Community Preschool program. This program caters to 3-5 year-old children from the local community. Using the Maine Learning and Developmental Standards, student teachers deliver a comprehensive curriculum emphasizing that play is central to young children's learning. They undertake a detailed case study of a single child, utilizing observational skills to assess developmental progress. Additional training includes classroom safety and supervision, preparing nutritional snacks, and professional communication with preschool families. The remaining two days are devoted to classroom learning, covering various developmental stages and effective teaching strategies for young children. All learning outcomes and assignments are compiled in a portfolio to demonstrate the student teachers' comprehension and application of the curriculum.

In their second year, students continue to apply their skills directly in the preschool classroom for three days each week. Academic learning during the remaining two days involves coursework from Southern Maine Community College, earning students three college credits upon completion. This curriculum is taught within the Region 10 classroom. Students further enhance their portfolios with academic assignments and, upon passing the NOCTI exam, qualify as Certified Early Childcare Assistants in Maine. Additionally, students may engage in a six to eight-week Internship Program, working alongside a Mentor Teacher in classrooms serving various age groups, from infants to third graders.





GOALS & SKILLS

Upon graduation, our students will possess the expertise to design and lead activities that foster comprehensive development in preschool-aged children. They will exhibit mastery in guiding children's understanding across a spectrum of subjects, including language, literacy, mathematics, science, creative arts, health, physical education, and social studies. Furthermore, our graduates will skillfully cultivate the social and emotional wellness of children through thoughtfully structured play and effective positive reinforcement strategies. With a nuanced grasp of classroom dynamics, they will adeptly coordinate schedules and activities, creating an enriching learning environment where young learners can flourish and progress.

Graduates will be adept at:

- Creating and leading activities that foster preschoolers' understanding across language, literacy, math, science, creative arts, health, physical education, and social studies
- Supporting children's social and emotional growth through structured play.
- Effectively managing the classroom schedule and activities.
- Maintaining a Healthy and Safe Environment
- Child Development
- Relationships with Families
- Observing and Assessing
- Individual and Cultural Diversity
- Developmentally Appropriate Practice Guiding Behavior
- Developing Curriculum Using Maine Developmental and Learning Standards
- Business and Professional Development
- Professional Practice

REGION 10 TECH

OUR PRESCHOOL CURRICULUM

FOLLOW US ON

Sensory Play

Pre-schoool students enjoy activities that stimulate the senses such as touch, smell, sight, hearing, and taste. Examples include playing with sand, water, playdough, or exploring different textures and materials.





Fine Motor Skills

Students implement activities that help develop fine motor skills, which involve the coordination of small muscles in hands and fingers. Examples include finger painting, threading beads, cutting with safety scissors, or playing with building blocks.



Language and Literacy Development

These activities are focused on developing language skills, vocabulary, and early literacy. This could involve reading stories, singing songs, playing rhyming games, engaging in conversations, or introducing letter and sound recognition through games and activities.



Social and Emotional

By helping pre-schoolers to use words to describe basic feelings like sad, happy, angry and excited, They begin to understand and relate to how others are feeling.
This helps them learn how to form and sustain positive relationships.



Projections reveal a serious global shortage of teachers. 44 million new teachers are needed to meet the goal of achieving primary and secondary education for all by 2030.

CAREERS & SALARIES

Preschool Teacher $30,000 to $48,000 annually

Preschool teachers educate and care for children, typically ages three to five, who have not yet entered kindergarten. They focus on language, motor, and social skills by engaging children in various playful and learning activities.

Childcare Center Director $35,000 to $60,000 annually

Childcare center directors oversee daily operations in daycare centers, preschools, and other early education settings. They manage staff, design program plans, and handle relations with parents.

Elementary School Teacher $40,000 to $75,000 annually

Elementary school teachers educate students in grades K-5, covering a range of subjects such as math, language arts, science, and social studies. They create lesson plans, assess student progress, and foster a positive learning environment.

High School Teacher $45,000 to $85,000 annually

High school teachers teach students in grades 9-12, delivering specialized instruction in subjects like math, English, history, science, or foreign languages. They prepare students for standardized tests, offer college guidance, and supervise extracurricular activities.

Education Administrator $60,000 to $120,000 annually

Education administrators oversee school operations, including budgeting, curriculum development, staff supervision, and student discipline. They may serve as principals, assistant principals, or district-level administrators.

Curriculum Developer $50,000 to $90,000 annually

Curriculum developers design educational materials and programs for schools, districts, or educational publishers. They collaborate with teachers, administrators, and subject matter experts to create engaging and effective learning resources.

Education Technology Specialist $50,000 to $100,000 annually

Education technology specialists integrate technology into teaching and learning, providing training and support to educators. They research and evaluate new tools and platforms, develop digital learning resources, and facilitate technology integration initiatives.

College Professor $60,000 to $150,000+ annually

College professors teach undergraduate and graduate courses in specific academic disciplines. They conduct research, publish scholarly work, and advise students on academic and career matters.

(U.S. Bureau of Labor Statistics)

Electrical Technology



KYLE SHEEHAN
Instructor
Electrical Technology

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TECHNICAL HIGH SCHOOL

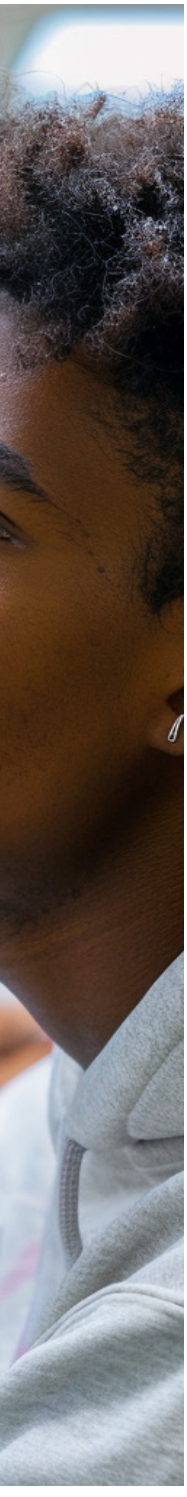
ELECTRICAL TECHNOLOGY

Electrical Technology

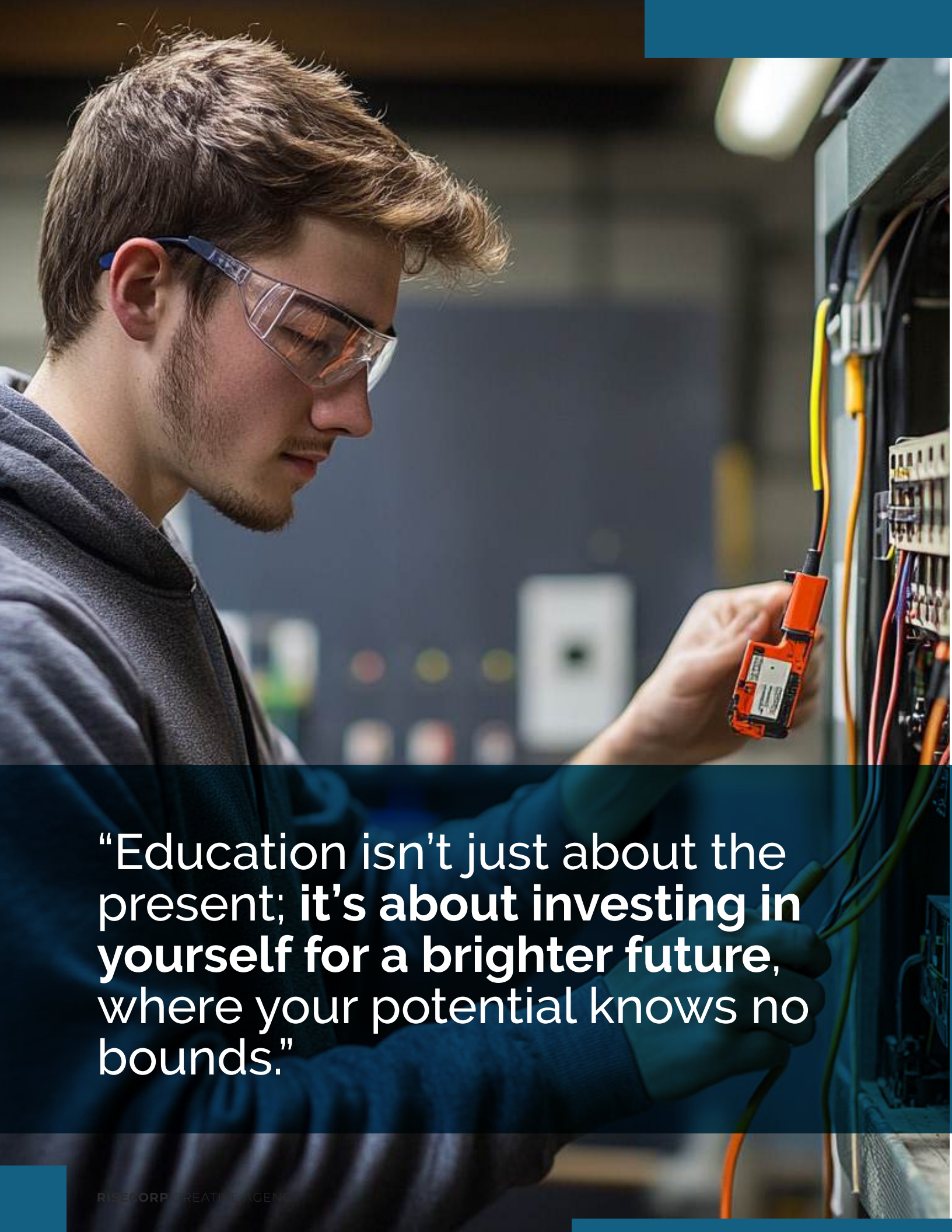
Electrical Technology is the study and application of electrical principles that power our modern society. It involves understanding how electrical systems function, from wiring buildings to troubleshooting appliances. Through this field, individuals explore rewarding career paths where they solve complex problems and contribute to the infrastructure of our communities.



Welcome to the Electrical Technology program, where we aim to prepare students for fulfilling careers as skilled electricians in today's diverse job market. In a world increasingly reliant on electricity, the demand for qualified professionals in the electrical field continues to rise. Our comprehensive two-year program not only provides students with foundational knowledge and practical skills in electrical installation and maintenance but also offers a gateway to a variety of rewarding career paths. From opportunities in residential and commercial construction to roles in renewable energy, telecommunications, and manufacturing, graduates of our program are equipped to pursue diverse careers tailored to their interests and aspirations. With competitive salary ranges and the potential for career advancement, the electrical industry offers lucrative opportunities for those who demonstrate dedication and proficiency in their craft. Through a combination of classroom instruction, hands-on training, and real-world experience, our program prepares students to enter the workforce as competent and confident electricians, ready to contribute to the essential infrastructure of our society.



Today's Steps Shape Tomorrow's Path: Empower Your Future with our Electrical Technology Program



“Education isn’t just about the present; **it’s about investing in yourself for a brighter future**, where your potential knows no bounds.”

Year One & Year Two

Electrical Technology Year 1

This program offers foundational skills for entry into the electrical field, teaching students to install wiring systems based on blueprints and in compliance with the National Electrical Code. Participants gain hands-on experience in wiring residential and commercial projects, mastering tasks such as wire splicing, receptacle and switch installation, as well as handling light fixtures, low voltage systems, and conduit systems.

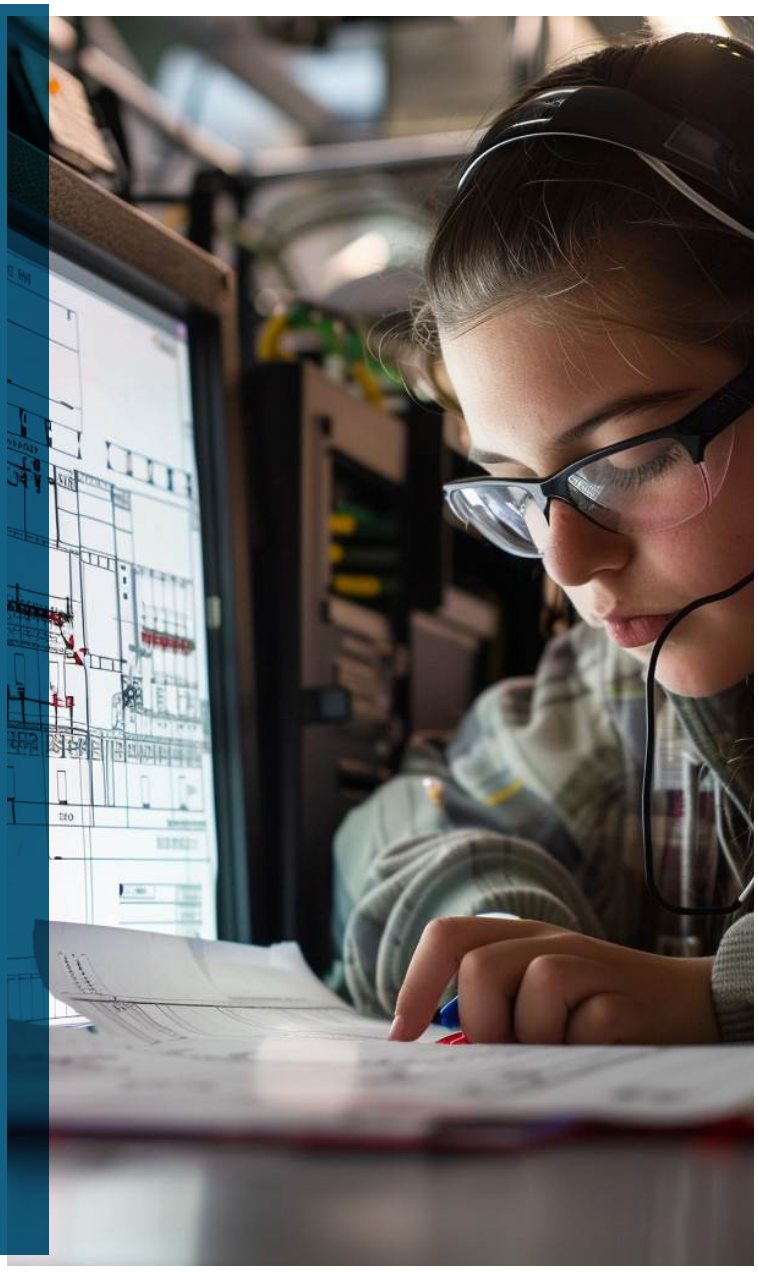
Electrical Technology Year 2

Designed for second-year students, this program builds upon foundational knowledge with advanced skills in electrical installation. Students continue to work with blueprints and adhere to the National Electrical Code while installing wiring systems, receptacles, switches, light fixtures, and low voltage systems across various projects within the school district. Emphasizing real-world application, students engage in daily exposure to practical scenarios while also discussing ethical business practices and financial considerations. Graduates of the two-year program receive credit for all 576 classroom hours required for their Journeyman license.

Class Projects

FOLLOW US ON

Hands-on projects are a cornerstone of the electrical technology program, providing students with invaluable practical experience and skill development. Through these projects, students not only apply theoretical knowledge but also gain confidence in tackling real-world electrical challenges. This hands-on approach fosters critical thinking,



> Hands-on learning **fosters practical skills & understanding**

Residential Wiring Simulation

Year One Project

Students will simulate wiring a residential building based on provided blueprints, focusing on installing electrical systems in a safe and code-compliant manner. This project will involve tasks such as running cables, installing outlets, switches, and light fixtures, and connecting to the main electrical panel..



Circuit Troubleshooting Exercise

Year One Project

Students will practice diagnosing and troubleshooting common electrical circuit faults in a controlled lab environment. Using multimeters and other diagnostic tools, they will identify issues such as short circuits, open circuits, and faulty components, and develop strategies to rectify them effectively.



Commercial Electrical Installation

Year Two Project

In this project, students will collaborate to plan and execute the electrical installation for a commercial building. Working from blueprints, they will install and wire complex electrical systems including lighting, power distribution, and specialized equipment connections. Emphasis will be placed on meeting industry standards, adhering to safety regulations, and coordinating with other trades.

Careers & Salaries

As society increasingly relies on electricity for almost every aspect of daily life, the demand for skilled electricians continues to grow. With the expanding infrastructure of smart homes, renewable energy systems, and advanced technology, electricians play a vital role in ensuring the safe installation, maintenance, and repair of electrical systems. According to the U.S. Bureau of Labor Statistics, the field of electricians is projected to grow by 8% between now and 2030, a rate faster than the average for all occupations. This growth is attributed to the need for upgrades to aging electrical systems, the expansion of renewable energy projects, and the integration of new technologies into homes and businesses. As such, pursuing a career in electrical technology offers not only stability but also ample opportunities for advancement and specialization in an evolving industry.



Completion of two years in our program provides the hours necessary for a Journeyman's license whch commands higher salaries:

Master Electrician $70,000 - $100,000+ (for experienced master electricians)
Master electricians have obtained their journeyman's license and typically have several years of experience. They oversee electrical projects, train apprentices, and ensure compliance with electrical codes and regulations.

Electrical Contractor $75,000-$150,000+ (for established contractors)
Electrical contractors are licensed professionals who oversee electrical projects from start to finish. They bid on projects, manage teams of electricians, and ensure that work meets quality and safety standards.

Electrical Engineer $97,970 - $150,000+ per year (for experienced engineers in specialized fields or leadership roles)
With a journeyman's license, individuals may pursue further education to become electrical engineers. Electrical engineers design, develop, and test electrical systems and equipment. They may work in industries such as manufacturing, telecommunications, or power generation.

Automation Engineer $88,240-$130,000+ per year (for experienced engineers with expertise in advanced automation technologies)
Automation engineers design, develop, and implement automated systems used in manufacturing and industrial processes. They may specialize in robotics, PLC programming, or control systems design.

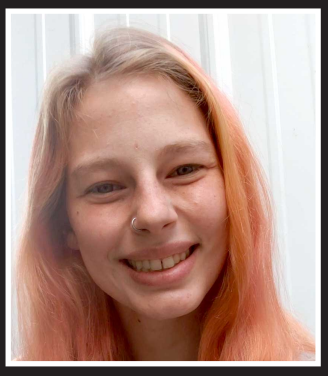
Electrical Project Manager $89,000-$130,000+ per year (for project managers with extensive experience and successful project delivery)
Electrical project managers oversee the planning, execution, and completion of electrical projects. They coordinate with clients, engineers, and contractors to ensure projects are completed on time and within budget.

Renewable Energy Consultant $77,000 - $120,000+ (for consultants with specialized knowledge and a track record of successful projects)
Renewable energy consultants advise clients on implementing renewable energy solutions such as solar, wind, or hydroelectric systems. They assess feasibility, design systems, and provide expertise on regulatory compliance.

Technical Trainer/Instructor $60,000- $100,000+ per year (for experienced trainers with industry certifications and advanced teaching skills)
Technical trainers or instructors teach electrical concepts, codes, and practices to apprentices, students, or employees. They may work in vocational schools, community colleges, or as corporate trainers.

(U.S. Bureau of Labor Statistics)

Emergency Medical Technician



Rachel Chase
Instructor
Emergency Medical Technician

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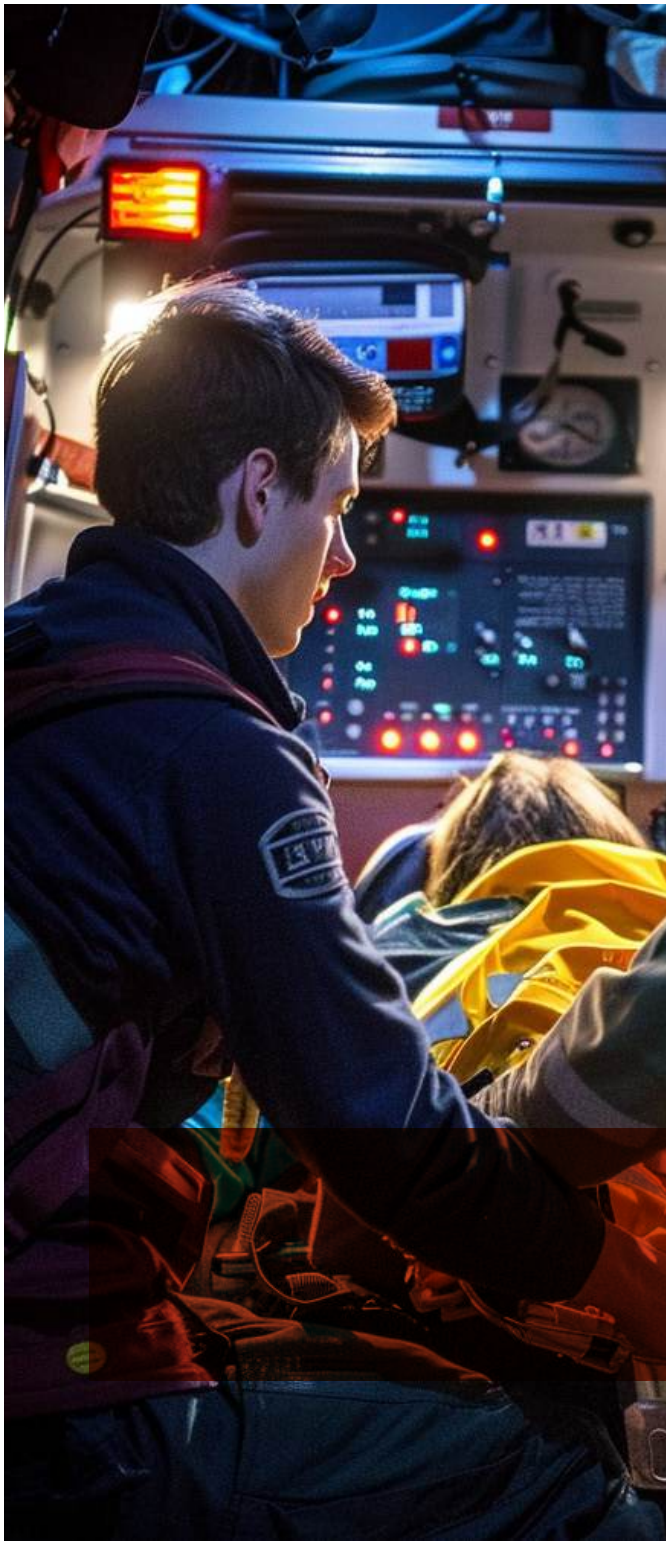


REGION 10
TECHNICAL HIGH SCHOOL

EMERGENCY MEDICAL TECHNICIAN

Emergency Medical Technician

An Emergency Medical Technician (EMT) is a trained healthcare professional who responds to medical emergencies, providing pre-hospital care and transporation to indviduals in need of urgent medical attention.



The R10 Tech EMT Basic program offers a comprehensive one-year training course, with the exciting possibility of continuing into a second year with Health Occupations/CNA or Pre-Apprenticeship programs. This foundational program serves as an excellent entry point into the medical field, particularly for those passionate about emergency medical services. Becoming an EMT is not only a rewarding career choice but also a crucial stepping stone for individuals aspiring to pursue advanced medical training.

EMT certification is often a prerequisite for more advanced medical programs, such as paramedic training, making it an essential qualification for those aiming to work on ambulances or in emergency care settings. Many professionals in the medical field, including future Physician Assistants, kick-start their careers as EMTs due to the invaluable hands-on medical experience it provides.

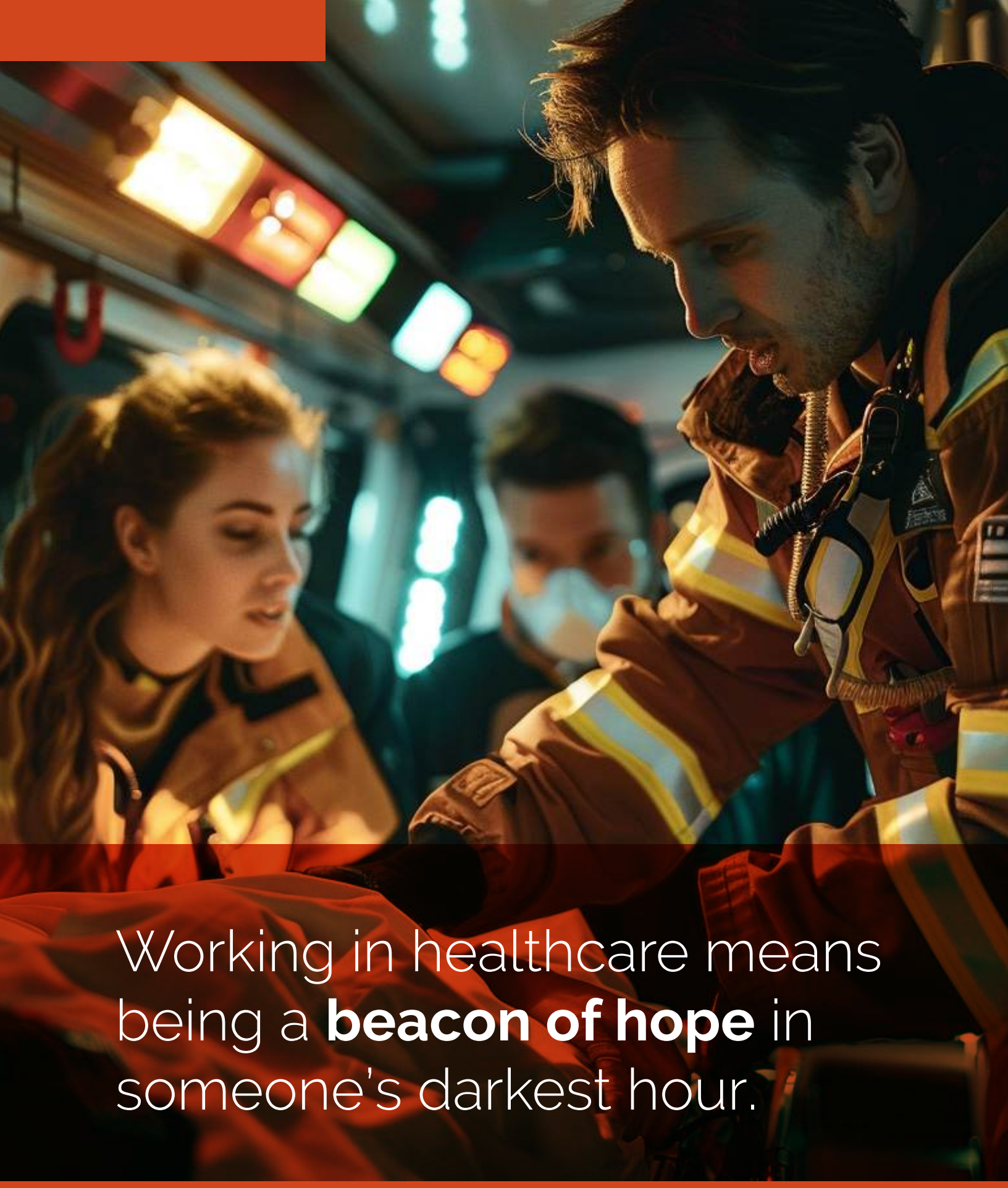
Designed with strategic foresight, this program equips students with foundational skills in pre-hospital care, laying a solid groundwork for their journey towards more advanced medical careers. Whether students aspire to become frontline medical responders, pursue careers in public safety, or aim for higher education in the medical field, the R10 Tech EMT Basic program provides the essential tools and experiences needed to thrive in their chosen path.


As an E.M.T.,
empathy,
expertise,
and
excellence
come
together
to change
lives.

Skills & Objectives

Our program is designed to equip students with a comprehensive understanding of EMS systems, ensuring they are well-prepared to navigate the complexities of pre-hospital care with confidence and proficiency. Throughout their training, students will focus on workforce safety and wellness, mastering strategies to prioritize their own well-being while delivering high-quality care to patients in diverse emergency situations. They will delve into the intricacies of medical, legal, and ethical issues, honing their ability to make sound decisions and uphold ethical standards in the face of challenging circumstances. Effective communication and meticulous documentation are emphasized, empowering students to communicate effectively with patients, colleagues, and healthcare professionals while maintaining accurate records of patient care. Additionally, students will deepen their understanding of anatomy and physiology, life span development, pharmacology, and patient assessment, laying a solid foundation for their roles as competent and compassionate emergency medical technicians

- Emergency Medical Services Systems
- Workforce Safety & Wellness
- Medical, Legal and Ethical Issues
- Communication & Documentation
- Anatomy & Physiology
- Life Span Development
- Pharmacology
- Patient Assessment
- Airway Management
- Medical Emergencies
- Trauma Emergencies
- Childbirth
- Pediatrics
- Ambulance Operations



Working in healthcare means being a **beacon of hope** in someone's darkest hour.

Careers & Salaries

These careers highlight the diverse opportunities available for individuals with an EMT license, each offering different environments and challenges, as well as varying salary potentials based on location, experience, and the specific employer.

Emergency Medical Technician (EMT) $35,000 to $58,000 annually
Provides immediate response to emergency medical calls and delivers patient care in pre-hospital settings.

Paramedic $40,000 to $70,000 annually
Offers advanced emergency medical care for critical and emergent patients who access the emergency medical system.

Firefighter EMT $40,000 to $80,000 annually
Combines firefighting duties with emergency medical services, often being the first to respond to emergencies.

Emergency Room Technician $32,000 to $55,000 annually
Assists doctors and nurses in the emergency department of hospitals by performing basic medical procedures.

Tactical Paramedic $80,000 to $110,000+ annually
Tactical paramedics are highly trained paramedics who provide medical support in high-risk situations, such as law enforcement operations, SWAT teams, or military missions.

Paramedic (Off-Shore Rig) $58,000 to $105,000 annually
Provides emergency medical care to rig workers in case of injuries, illnesses, or accidents. They assess patients' conditions, treat, and coordinate with medical evacuation teams when necessary.

Emergency Medical Services (EMS) Supervisor $50,000 to $90,000 annually
Oversees the operations of EMS teams, ensuring that staff provide high-quality medical care and service.

Industrial Medic $45,000 to $80,000 annually
Provides on-site medical services in industrial settings, such as oil fields, manufacturing plants, or construction sites.

Wilderness EMT $37,000 to $70,000 annually
Specializes in providing emergency medical services in remote and wilderness environments.

(U.S. Bureau of Labor Statistics)



A career in the medical field rewards you with more than a paycheck; it **enriches your life with purpose, compassion, and the profound satisfaction of making a difference.**

Class Projects

In our EMT program, hands-on learning is the cornerstone of your education. Through practical simulations and real-world scenarios, you'll develop the critical skills and confidence needed to excel in emergency medical situations. From patient assessment to life-saving interventions, hands-on experience ensures you're fully prepared to provide expert care when every second counts.



Education unlocks doors once thought unreachable.

Patient Simulator

Patient Care

In our training program, experience lifelike scenarios on infant, pediatric, and adult simulators. Practice essential medical procedures and interventions tailored to each age group, honing your skills in a controlled, realistic environment. Prepare to confidently respond to a wide range of medical emergencies, from infancy to adulthood, ensuring the highest standard of care for patients of all ages.

FOLLOW US ON



Automobile Extrication

Moviing Patients

In our EMT program, you'll master patient extrication techniques vital for emergency medical response. Learn to safely assess, stabilize, and remove patients from challenging environments, such as vehicles or confined spaces, using specialized tools and protocols. Gain the skills to efficiently navigate complex rescue scenarios and provide critical care when every second counts.



CPR Certification

Cardiac Pulmonary Resuscitation

Learn essential skills in cardiopulmonary resuscitation (CPR), including techniques for performing chest compressions, rescue breathing, and using automated external defibrillators (AEDs). Gain the confidence and knowledge needed to respond effectively in emergency situations and make a difference in your community.

Engineering & Architectural Design



Cynthia Harris

Instructor **Engineering & Architectural Design**

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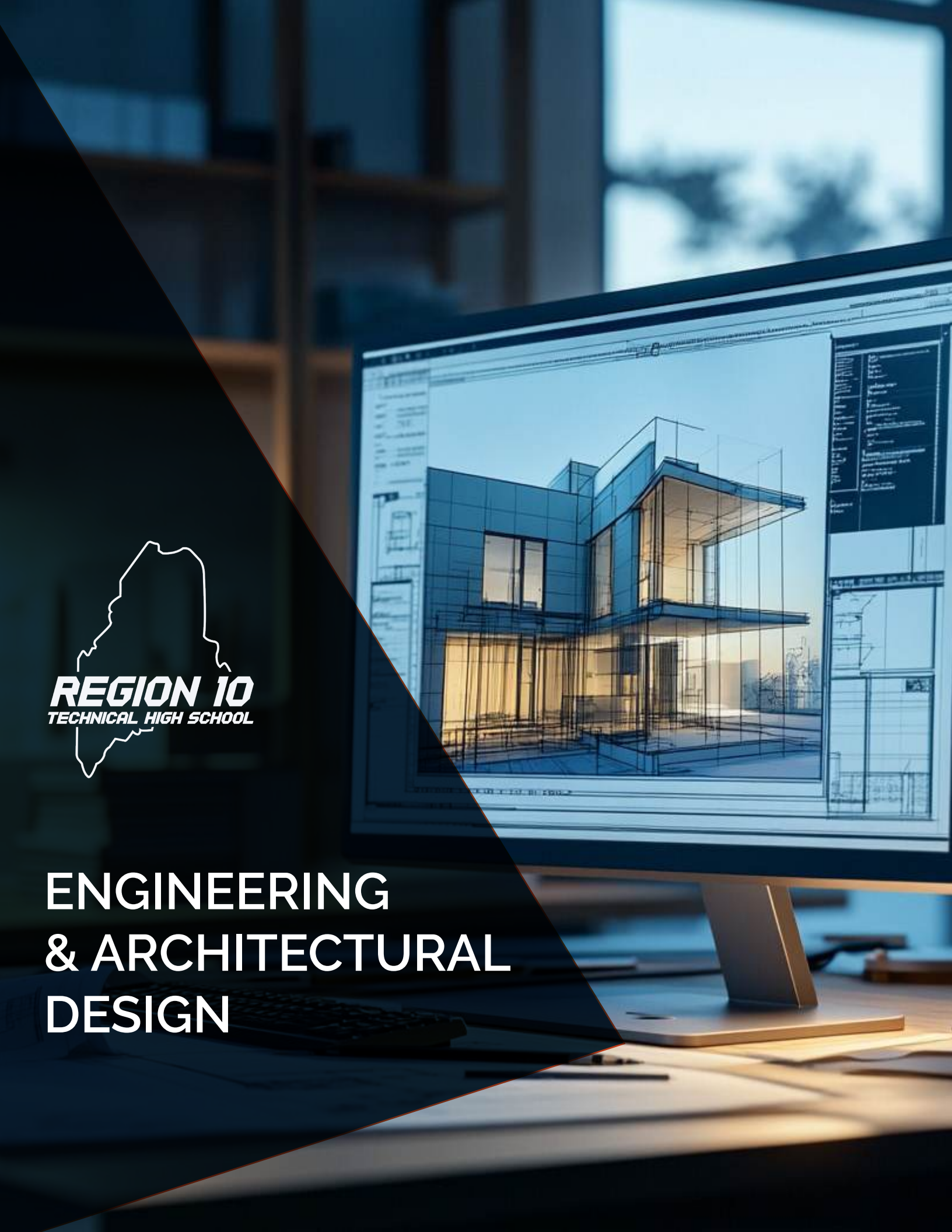
Web **https://r10tech.org/engineering_architectural_design**

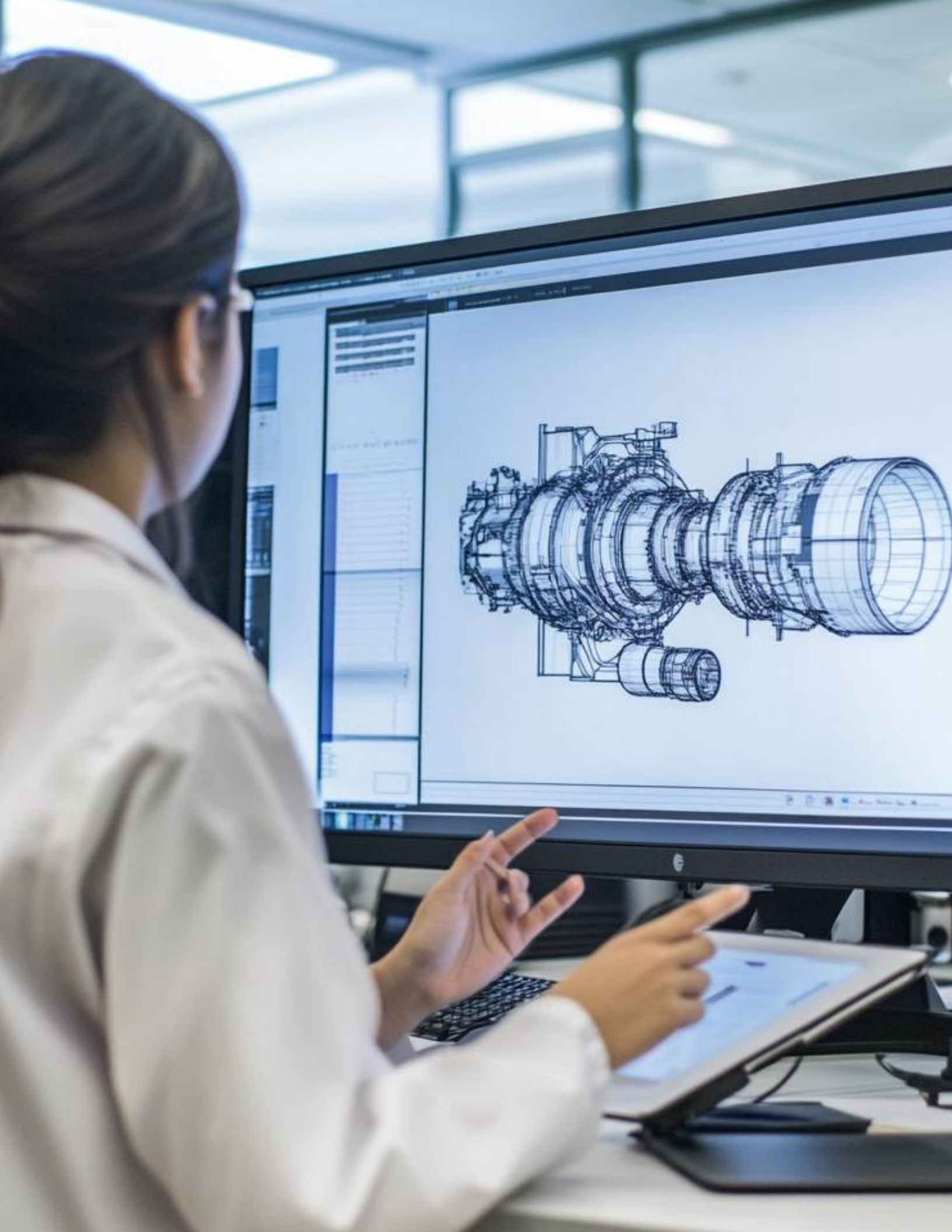
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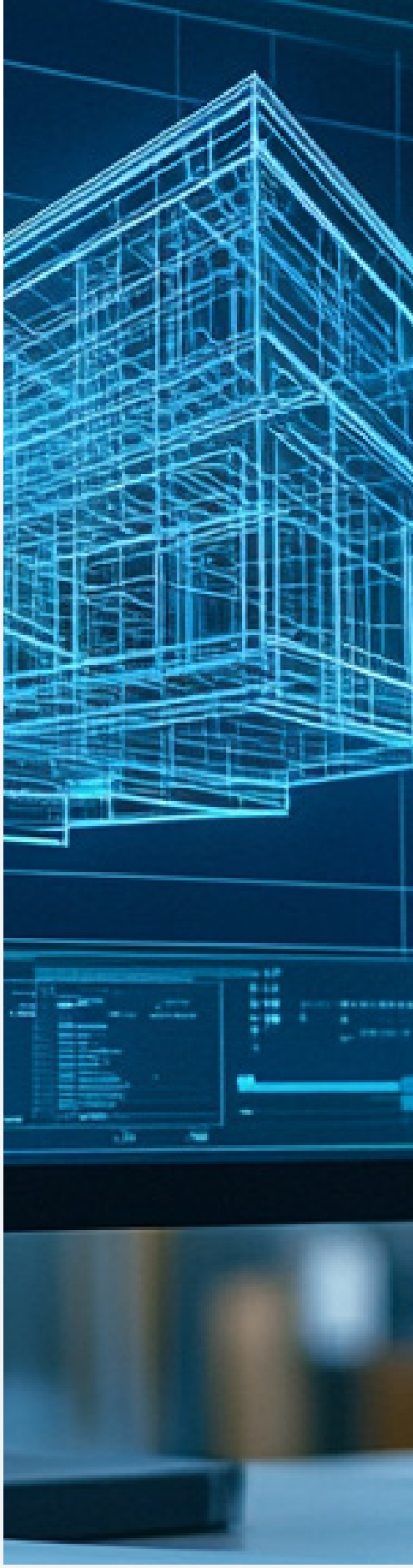
REGION 10
TECHNICAL HIGH SCHOOL

ENGINEERING & ARCHITECTURAL DESIGN





ENGINEERING & ARCHITECTURAL DESIGN



Welcome to the World of Engineering & Architectural Design. This program immerses students in the fundamentals of design, construction, and problem-solving, equipping them with the skills to bring ideas to life through cutting-edge technology and innovative thinking.

From blueprint creation to 3D modeling and sustainable building techniques, students will explore the foundational principles that drive engineering and architecture. Whether aspiring to be an architect, engineer, or construction specialist, this program lays the groundwork for high-demand careers in a rapidly evolving industry.

First Year

- Introduction to Architectural & Engineering Design
- AutoCAD & 3D Modeling (SketchUp, Revit, Fusion 360)
- Technical Drafting & Blueprint Reading
- Structural Concepts & Materials
- Sustainable & Green Building Practices
- Introduction to Engineering Problem-Solving

Second Year

- Advanced CAD & Revit Modeling
- Engineering & Structural Analysis
- Building Codes & Regulations
- Project-Based Learning in Architecture & Engineering
- Sustainable & Smart Building Technologies
- Portfolio Development & Professional Certifications



ENGINEERING & ARCHITECTURAL DESIGN

The Engineering & Architectural Design program at Brunswick Landing is an innovative, hands-on learning experience that prepares students for careers in architecture, civil engineering, and advanced manufacturing. This program combines technical skills, problem-solving, and creative design thinking, giving students a strong foundation in engineering principles, structural integrity, and digital modeling.

Students engage in real-world projects using industry-standard software, including AutoCAD, Revit, Fusion 360, and other CAD tools, to create detailed architectural plans, 3D models, and engineering simulations. The curriculum emphasizes structural analysis, sustainable design, and blueprint reading, allowing students to develop critical thinking skills and gain practical experience in modern engineering and design processes.

Located at Brunswick Landing, a growing hub for technology, innovation, and industry partnerships, the program offers students access to state-of-the-art facilities and industry professionals. Through partnerships with Bath Iron Works (BIW), Maine Maritime Academy, and Southern Maine Community College (SMCC), students have unique opportunities to participate in marine engineering simulations, advanced manufacturing projects, and industry-based design challenges. These connections provide mentorship, job shadowing experiences, and potential career pathways in engineering, naval architecture, and construction.

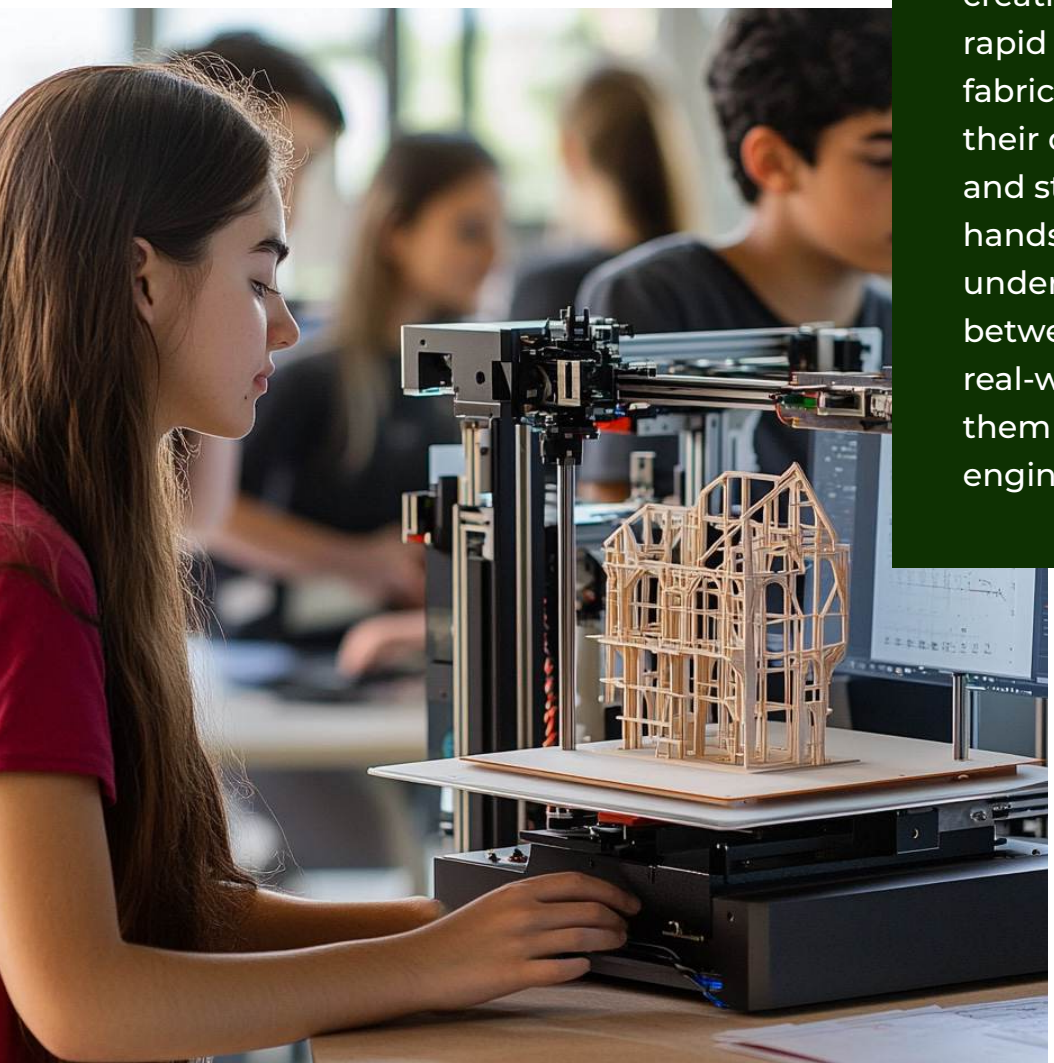
Throughout the program, students take part in collaborative projects, digital prototyping, and sustainable urban planning exercises, gaining the technical skills and problem-solving abilities necessary for success in engineering and architectural fields. Whether students choose to enter the workforce after completing this program, pursue an associate degree at SMCC, or continue to a bachelor's degree in engineering or architecture, they will graduate with a strong portfolio, hands-on experience, and industry-recognized skills that set them apart in a competitive job market.



The demand for skilled engineers and architectural designers continues to grow as industries seek innovative solutions for infrastructure, sustainability, and technology-driven design.

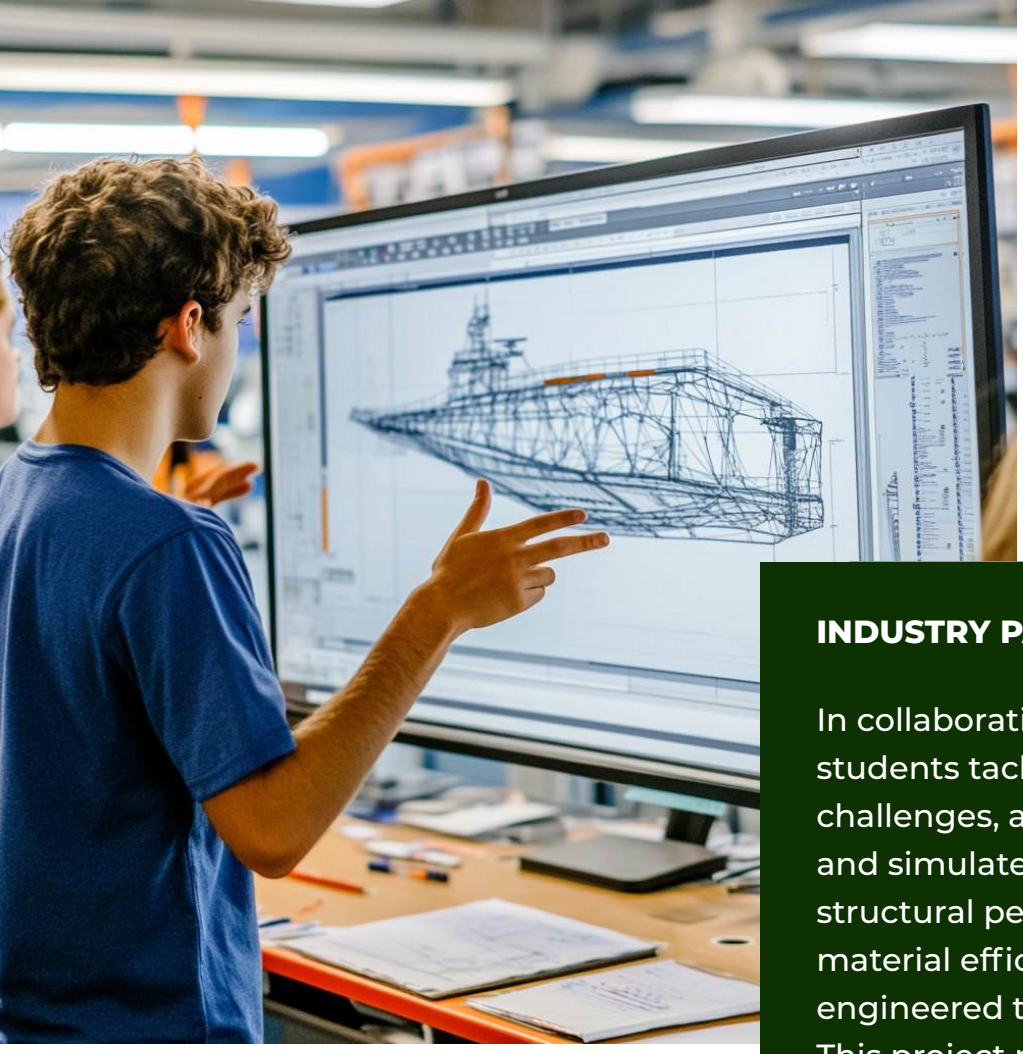
FIRST & SECOND YEAR PROJECTS

In the ever-evolving fields of engineering and architectural design, hands-on learning is essential for developing technical expertise and problem-solving skills. These immersive experiences go beyond theory, allowing students to apply design principles, structural analysis, and cutting-edge technology in real-world scenarios. Through collaborative projects, digital modeling, and engineering simulations, students gain a deeper understanding of industry practices while refining their ability to think critically and adapt to challenges. By actively engaging in design, construction, and prototyping, they build the confidence and technical proficiency needed for success in the field.



3D PRINTING FOR PROTOTYPING

Students design small-scale architectural models and use 3D printing technology to bring their creations to life. They learn about rapid prototyping and digital fabrication techniques, refining their designs through iteration and structural analysis. This hands-on project helps students understand the relationship between digital modeling and real-world construction, preparing them for careers in architecture, engineering, and industrial design.

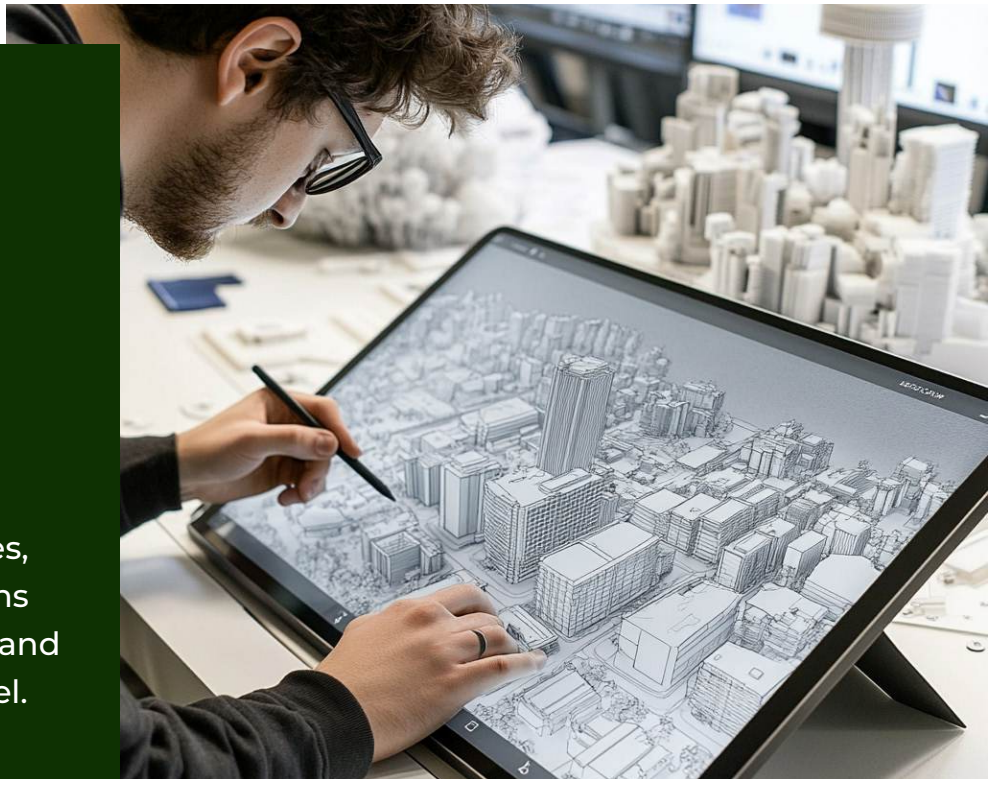


INDUSTRY PARTNER PROJECT

In collaboration with **Bath Iron Works (BIW)**, students tackle real-world marine engineering challenges, applying CAD software to design and simulate naval structures. They analyze structural performance, hydrodynamics, and material efficiency, learning how ships are engineered to withstand oceanic conditions. This project provides valuable hands-on experience in naval architecture, preparing students for careers in marine engineering,

SMART CITY PROJECT

Students conceptualize and design a miniature smart city, integrating efficient transportation networks, renewable energy solutions, and advanced building automation systems. This project challenges them to apply sustainable design principles, urban planning strategies, and innovative engineering solutions to create a functional, eco-friendly, and technologically advanced city model.





CAREERS & SALARIES

These careers offer a wide range of opportunities for graduates of the Engineering & Architectural Design program, with competitive salaries and prospects for career advancement in this rapidly evolving field .

Drafter – $45,000 to $75,000 annually
Creates detailed technical drawings and blueprints for buildings, infrastructure, and mechanical components using CAD software. (Source: Bureau of Labor Statistics, Salary.com)

CAD Technician – $57,960 to $75,000 annually
Utilizes computer-aided design (CAD) software to create detailed plans for buildings, mechanical systems, and electrical layouts. (Source: Bureau of Labor Statistics, Salary.com)

Civil Engineering Technician – $60,700 to $85,000 annually
Assists civil engineers in planning and designing infrastructure projects such as bridges, roads, and water systems. (Source: Bureau of Labor Statistics, Salary.com)

Construction Manager – $98,890 to $155,000 annually
Oversees large-scale construction projects, managing budgets, timelines, and contractor teams to ensure successful completion. (Source: Bureau of Labor Statistics, Salary.com)

Environmental Engineer – $96,820 to $135,000 annually
Designs and implements solutions to reduce environmental impact, including pollution control, sustainable infrastructure, and resource management. (Source: Bureau of Labor Statistics, Salary.com)

Mechanical Engineer – $95,560 to $130,000 annually
Develops and tests mechanical systems used in automotive, aerospace, energy, and manufacturing industries. (Source: Bureau of Labor Statistics, Salary.com)

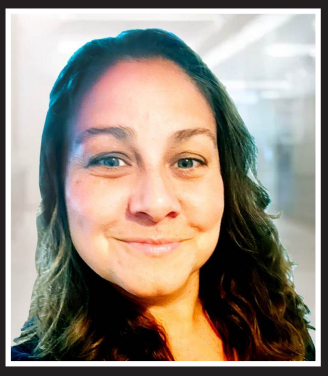
Electrical Engineer – $100,420 to $150,000 annually
Designs, develops, and oversees electrical systems for buildings, energy grids, telecommunications, and manufacturing. (Source: Bureau of Labor Statistics, Salary.com)

Aerospace Engineer – $122,270 to $160,000 annually
Designs and tests aircraft, spacecraft, and propulsion systems for both commercial and defense applications. (Source: Bureau of Labor Statistics, Salary.com)

Architect – $93,310 to $150,000 annually
Creates detailed building designs, integrating functionality, aesthetics, and sustainability while ensuring compliance with safety regulations. (Source: Bureau of Labor Statistics, Salary.com)

Architectural and Engineering Manager – $165,370 to $205,000+ annually
Leads teams of architects and engineers, overseeing the design, planning, and execution of major construction and infrastructure projects. (Source: Bureau of Labor Statistics, Salary.com)

General Trades



Mary Giroux
Instructor
General Trades

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REGION 10
TECHNICAL HIGH SCHOOL

GENERAL TRADES


CORN
POP

Introduction



WELCOME TO GENERAL TRADES

Through hands-on learning and engaging projects, students explore diverse trades, honing their abilities and preparing for success in today's workforce. Our program empowers students of all abilities to thrive and pursue rewarding careers in the trades.

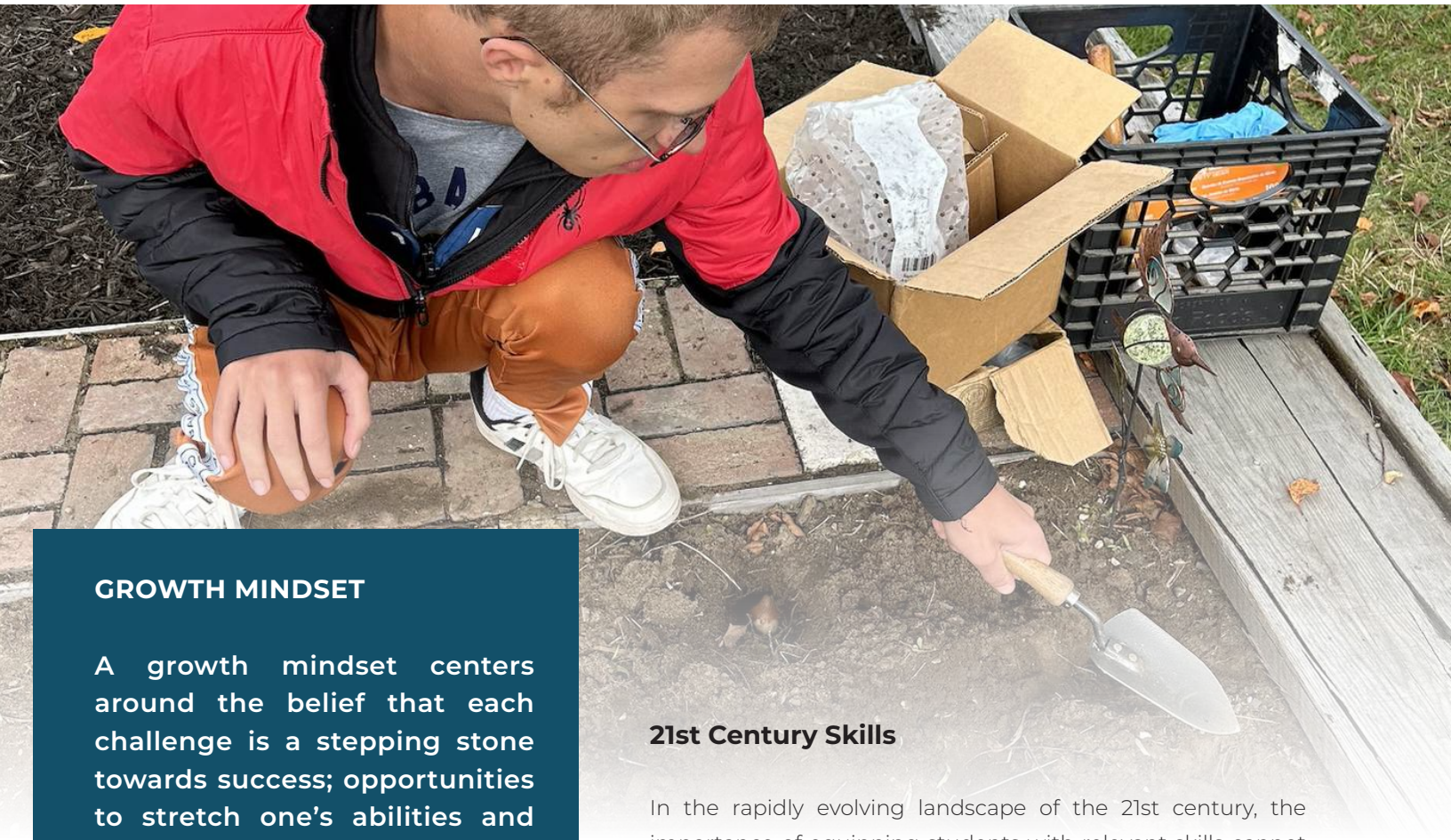
Key Employability Skills

The General Trades Employability Skills Program at Region 10 Technical High School is an immersive and dynamic multi-year training initiative designed to empower students with the essential skills needed for entry-level employment or seamless transition into other R10 Tech programs. This comprehensive program goes beyond traditional classroom instruction, emphasizing hands-on learning experiences and engaging projects that cultivate practical expertise and foster a strong work ethic.

Throughout the program, General Trades students are immersed in a variety of hands-on activities and real-world simulations that mirror the demands of the workforce. From carpentry to cooking, students gain practical experience in diverse trades, honing their skills and gaining confidence in their abilities. Through exciting projects and dynamic learning opportunities, students develop key employability skills such as problem-solving, teamwork, communication, customer service and money management.

In essence, the General Trades Employability Skills Program at Region 10 Technical High School offers students a dynamic and inclusive learning experience that prepares them for success in the workforce and beyond. By combining hands-on education, engaging projects, and a focus on employability skills, the program equips students with the tools they need to thrive in today's competitive job market and pursue fulfilling careers in the trades.

21st Century **Skills**



GROWTH MINDSET

A growth mindset centers around the belief that each challenge is a stepping stone towards success; opportunities to stretch one's abilities and uncover new problem-solving strategies. Effort is seen as the pathway to mastery. The more you put into something, the better you get at it. Constructive criticism is seen as valuable feedback that can aid in improving performance and outcomes, rather than being taken personally. Setbacks are viewed as necessary parts of the growth process, providing valuable lessons that can make us stronger and more resilient.

21st Century Skills

In the rapidly evolving landscape of the 21st century, the importance of equipping students with relevant skills cannot be overstated. Traditional academic knowledge remains crucial, but it's equally essential to cultivate 21st century skills that empower students to thrive in an increasingly interconnected, technology-driven world. These skills encompass critical thinking, creativity, collaboration, communication, digital literacy, and adaptability. By integrating these skills into the curriculum, schools not only prepare students for the demands of the modern workforce but also foster their ability to navigate complex challenges with confidence and agility.

Moreover, the emphasis on 21st century skills in education extends beyond vocational preparation; it's about nurturing well-rounded individuals capable of contributing meaningfully to society. Critical thinking enables students to analyze information discerningly, fostering informed decision-making and problem-solving

Our goals as **we work**

Critical Thinking

The ability to analyze, evaluate, and synthesize information effectively to make reasoned judgements and decisions. It encompasses creative problem solving, logical reasoning and the ability to think flexibly and adaptively in diverse contexts.

Communication

The process of exchanging information, ideas, thoughts, and feelings between individuals or groups through verbal, non-verbal and written means.

Citizenship

Citizenship means being a responsible member of our community and following the rules to help make our school and world a better place. It's about contributing positively to our environment, and working together to solve problems.

Creativity

Creativity is using our imagination to come up with new ideas and solutions. It's about thinking outside the box, trying different approaches, and expressing ourselves in unique ways, whether it's through art, technology, or problem-solving.

Collaboration

Collaboration means working together with others as a team to achieve a common goal. It's about listening to each other's ideas, sharing responsibilities, and supporting one another to accomplish tasks and projects.



REGION 10 TECH

Dirigo Diner



21st Century Skills Applied

Running the Dirigo Diner at Region 10 Technical High School is more than just serving food—it's a dynamic learning experience that puts 21st-century skills into practice in a fun and engaging way. Through their roles in cooking, serving, taking orders, and managing the register, General Trades students develop essential communication skills. They learn to effectively communicate with their peers and customers, ensuring smooth operations and customer satisfaction.

The Dirigo Diner, led by students in the General Trades program, serves as a shining example of 21st-century skill development, showcasing the practical application of knowledge, teamwork, and innovation within the program.

Furthermore, running the diner provides students with valuable insight into entrepreneurship and business management. They learn about budgeting, pricing, marketing, and customer service, gaining practical experience in the operational aspects of a small business..

Overall, the Dirigo Diner not only prepares General Trades students for careers in food service but also equips them with essential 21st-century skills that are transferable to various industries. It offers a dynamic and engaging learning experience that goes beyond the classroom, preparing students for success in their future endeavors.





Collaboration: Food Prep

Collaboration is another key component as students work together in the kitchen and behind the counter, dividing tasks, supporting each other, and problem-solving to keep the diner running smoothly. This collaborative environment fosters teamwork and teaches students the importance of cooperation in achieving common goals.

Critical Thinking: Customer Service

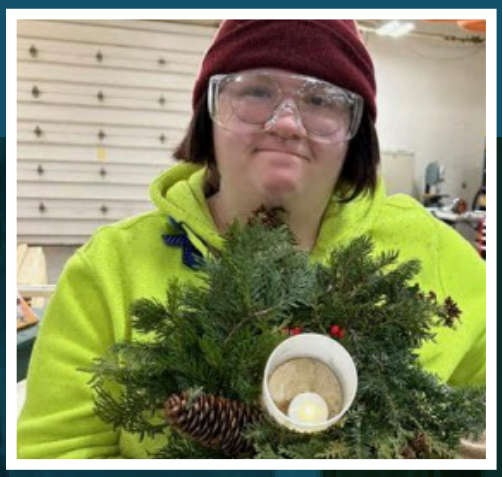
Critical thinking is also honed as students navigate the fast-paced environment of a food shop. They must make quick decisions, handle customer requests, manage inventory, and troubleshoot any issues that arise. This hands-on experience encourages students to think critically and adapt to various situations, skills that are essential in today's ever-changing world.

@r10generaltrades

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Creativity: Promotional Materials

Creativity flourishes in the Dirigo Diner as students have the opportunity to showcase their culinary skills and innovative ideas. From designing daily specials to experimenting with new recipes, students can express themselves and contribute to the unique atmosphere of the diner.



“I enjoy the adaptability and flexibility that General Trades offers to me and other students. Skills learned in GT are helpful and well suited for retail, dining services, fast food, carpentry and really any other fast paced job. The most important skill I learned was how to deal with stress in a fast paced and busy work environment. The teacher is nice and amazing.”

- Hanta Chambers

Future Plans

Graduates of our General Trades program are well-prepared for diverse career paths, with many continuing their education in the Maine Community College system or securing employment with businesses like the Brunswick School Department, Hannaford, and Yarmouth Boat Yard. Students leave the program equipped with the skills and experience to succeed.

Choose a Different Program at Region 10

After completing one year in the General Trades program, students have the option to continue for a second year or transition to another program within Region 10, providing them with flexibility and opportunities to pursue their interests and career goals.

Pre-Apprenticeship & On The Job Training

Upon finishing their first year in the General Trades program, students have the option to enroll in the Pre-Apprenticeship program, which not only enhances their job prospects but also offers opportunities for on-the-job training during school hours, allowing them to earn while they learn.



Metal Fabrication & Welding



CORY HIGGINS
Instructor
Metal Fabrication & Welding

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REGION 10
TECHNICAL HIGH SCHOOL

METAL FABRICATION & WELDING



According to The National Center for Education Statistics, **"employers highly value technical education graduates' skills and readiness".**

Metal Fabrication & Welding

Welding and metal fabrication involve the skilled manipulation and joining of metal components through various techniques like welding, cutting, and bending to create structures, machinery, or artistic pieces.

The Metal Fabrication & Welding program immerses students in real-world experiences, equipping them with sought-after certifications vital for employment. With a curriculum focused on practical skills in fabrication, layout, and welding, alongside theory and hands-on practice, students acquire a diverse skill set. Training encompasses various welding forms using state-of-the-art equipment, including Oxyacetylene Cutting, Shielded Metal Arc Welding (SMAW), Gas Metal Arc Welding (GMAW), Gas Tungsten Arc Welding (GTAW), Pulse M.I.G, Flux-core Welding, and Arc Gouging and Cutting (air arc). Additionally, students are prepared for the AWS Welding Certification Exam.

COURSE CONTENT

- Welding/Shop Safety
- Hand Tool and Machine Safety
- Welding Processes
- Welding Joints Design
- Oxy-fuel Setup/Cutting
- GMAW Theory and Process
- Intro to Metal Identification
- Basic Metal Fabrication
- Advanced SMAW
- Electrode Identification
- Welding Drawings
- Layout Techniques & Measurement
- GTAW Theory and Process
- Plasma Arc Cutting Theory and Process
- Advanced Welding Drawings
- Welding Symbols
- Blueprint Reading
- Intro to Computer Guided Plasma Cutting
- SMAW Shielded Metal/Arc Welding
- FCAW Flux-core Arc Welding
- Intro to Sheering, Bending & Metal Forming Equipment



@r10metalfab

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CLASS PROJECTS

Different Types of Welding



MIG Welding

MIG welding or Metal Inert Gas welding, is an arc welding process that uses a continuous solid wire electrode and a shielding gasto join metals. It is known for its versatility, speed, and ease of use, making it a popular choice for welding a wide range of materials, from thin sheet metal to thicker steel structures.



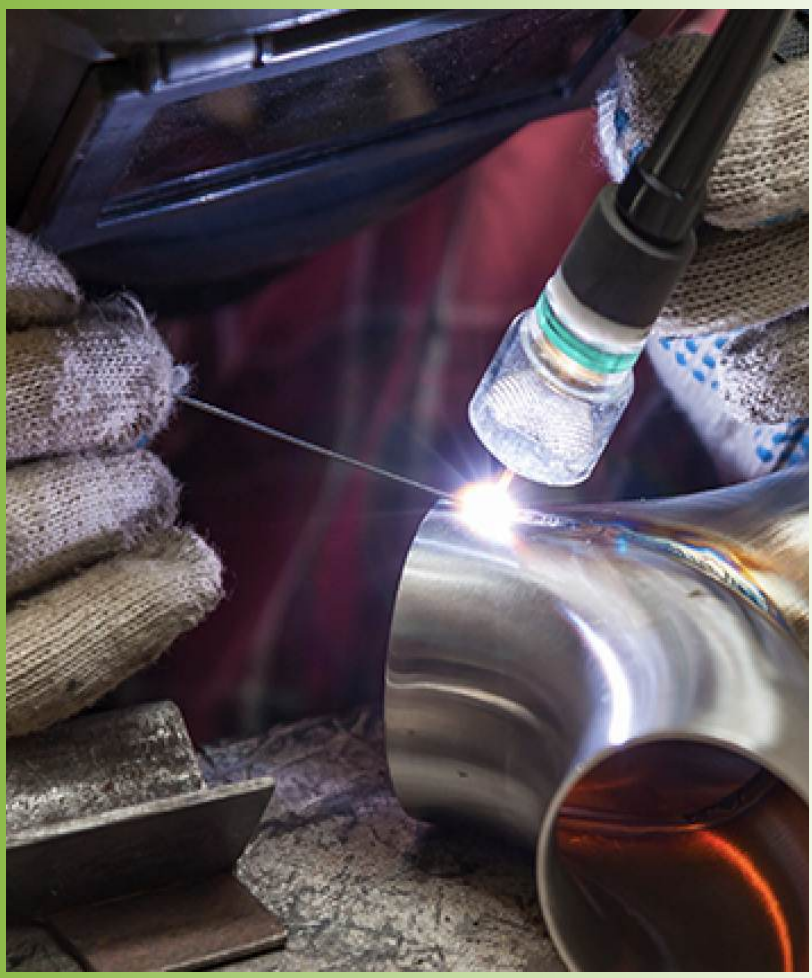
7018 Stick Welding

7018 Stick welding is a type of arc welding where a flux coated electrode, typically made of mild steel, is used to join metals. It's known for its versaltility and strength, producing high quality welds suitable for various applications in industries suc as construction, fabrication and infastructure.



Flux Core Welding:

Flux core welding is a type of arc welding process similar to MIG welding, but instead of using a solid wire electrode, it uses a tubular wire filled with flux. This flux creates a protective gas shield around the weld, eliminating the need for an external shielding gs. Flux core welding is often used in outdoor or windy conditions and for welding thicker materials where MIG welding may not be as effective.



TIG Welding

TIG stands for tungsten inert gas and is technically called gas tungsten arc welding (GTAW). The process uses a non-consumable tungsten electrode that delivers the current to the welding arc. An inert gas, typically argon, protects and cools the tungsten and weld puddle. The most important applications for TIG welding are pipeline and pipe welding. It is, however, used in many industries, such as aviation and aerospace and sheet metal industries when welding particularly thin materials and special materials such as titanium.

REGION 10

Careers & Salaries in Metal Fab & Welding

Welder/Fabricator $45,190-65,200 per year
Join and fabricate metal parts using various welding techniques, ensuring they meet specifications.

Structural Iron and Steel Worker: $55,040-75,100 per year
Erect structural steel frames for buildings and bridges, adhering to strict safety protocols.

Pipe Welder: $62,610-82,000 per year
Specialize in welding pipes for various applications, ensuring proper alignment and integrity.

Sheet Metal Worker: $50,400-70,500 per year
Fabricate and install metal sheets such as metal roofs, siding, and ductwork, both indoors and outdoors.

Welding Inspector $62,400-74,000 per year
Ensure welding procedures meet industry standards and weldments are defect-free.

Welding Supervisor: $67,483-87,000 per year
Oversee welding operations, coordinate work schedules, and enforce safety protocols.

Manufacturing Production Manager: $105,480-125,760 per year
Manage production staff, optimize operations, and meet production goals.

(U.S. Bureau of Labor Statistics)


CASCO BAY STEEL
REED & REED
CIANBRO
GENERAL DYNAMICS
Bath Iron Works

Outdoor Power Equipment



Jon Novak
Instructor
Outdoor Power Equipment

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REGION 10
TECHNICAL HIGH SCHOOL

OUTDOOR POWER EQUIPMENT





Outdoor Power Equipment

Marine & Small Engines

Upon completing two years of the Outdoor Power Equipment program, students not only gain the foundational skills necessary to excel in the small motors industry but also acquire versatile skills applicable to a myriad of careers in mechanics. With hands-on experience and professional guidance, graduates are well-equipped to advance quickly in their careers and make valuable contributions to the field.

The Outdoor Power Equipment/Small Engines/Marine Technicians program equips students with the skills to inspect, service, and repair a range of small engines, marine outboard motors, compact tractors, recreational vehicles, and motorcycles. In the first-year course, students learn fundamental concepts such as engine theory, precision tool usage, and basic engine overhaul techniques. Emphasizing hands-on learning, students work with various equipment including motorcycles, lawn and garden tools, snowmobiles, and ATVs. Participation in SkillsUSA is encouraged to enhance leadership skills and provide opportunities for state and national competitions.

In the second year, students delve deeper into vehicle classes with a focus on advanced technology and independent diagnostics and repair. Coursework covers topics such as advanced electrical systems, fuel injection, ignition systems, transmissions, and suspension systems. Advanced measuring tools are introduced to further develop students' technical proficiency.



The Curriculum

Skills & Objectives in Outdoor Power Equipment

To establish a solid footing in the small engine industry, mastering fundamental skills such as mechanical aptitude, technical knowledge, problem-solving abilities, attention to detail, safety awareness, and communication skills is crucial. These skills form the foundation for successful careers as small engine technicians or mechanics.

Outdoor Power Equipment: Year One

- Shop Safety & Personal Protection
- Four-cycle theory
- Two-cycle theory
- Tools & Equipment – identification, proper usage
- Fasteners & thread repair
- 4-cycle Engine (top end) disassemble & reassemble
- Oil and lubrication
- Carburetors & fuel systems
- Parts & service manuals

Outdoor Power Equipment: Year Two

- Shop Safety & Personal Protection revisited
- Basic Electrical Theory & Hands-on Applications
- Fuel Injection
- Ignition Systems
- Starting Systems
- Precision Measuring
- Transmission & Clutch
- Suspension Systems
- Equipment Service
- Hydraulics Theory & Operation

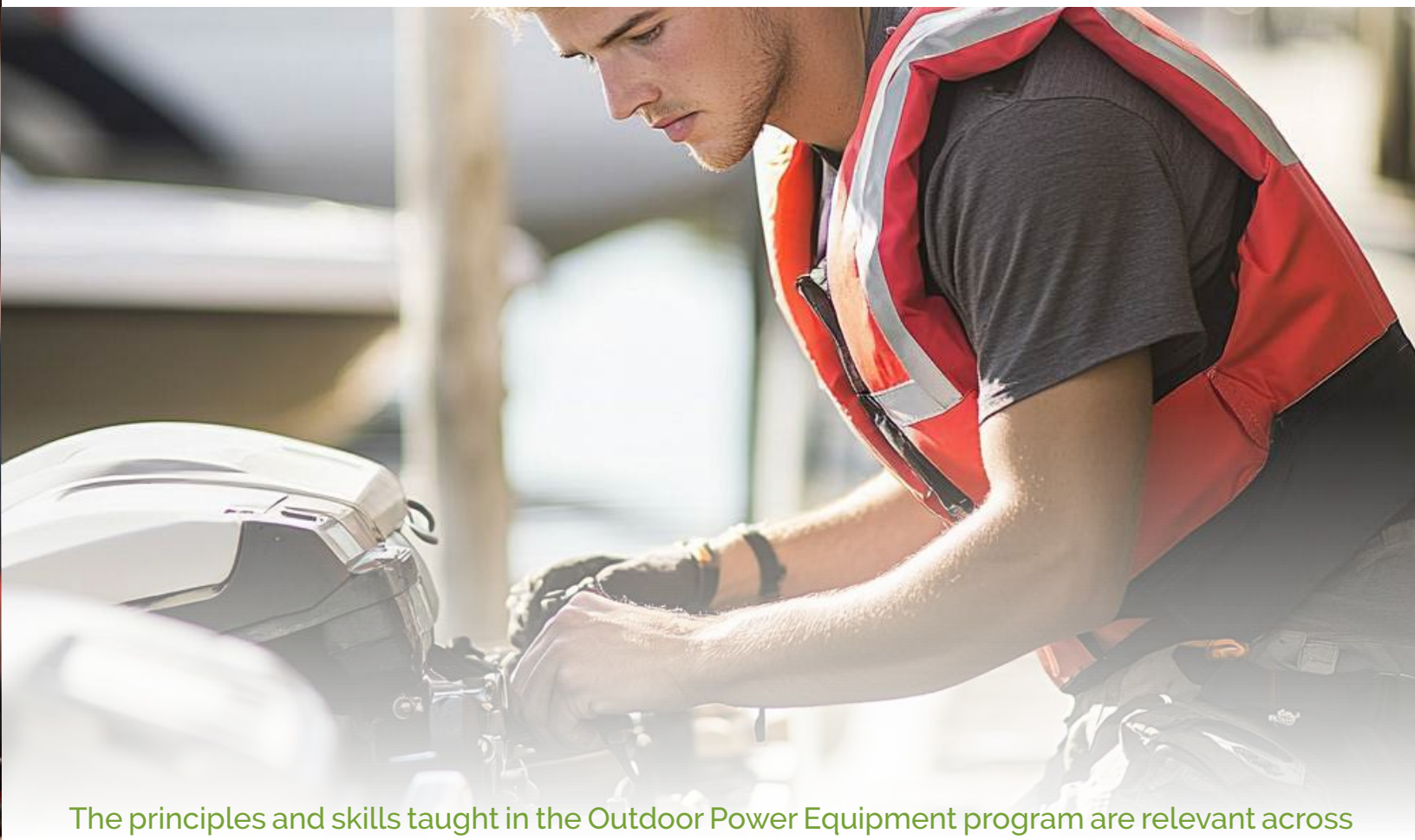
> “Choose a job you love and you will never work a day in your life”




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Mahindra
TYM
TRACTORS
Husqvarna
KIOTI
SUZUKI
HONDA
STIHL

Transferable Skills

Unlock Limitless Opportunities with Small Engine Knowledge



The principles and skills taught in the Outdoor Power Equipment program are relevant across a spectrum of career paths. Students acquire knowledge of engine components, diagnostics, troubleshooting, and repair techniques, forming the bedrock for numerous mechanical professions.

Automotive Technician:
Many of the principles and skills taught in small engines and marine engines classes are directly applicable to automotive repair and maintenance. Students can learn about engine components, diagnostics, troubleshooting, and repair techniques that are relevant to both small engines and automobiles. This knowledge can prepare them for careers as automotive technicians in repair shops, dealerships, or specialized automotive service centers.

Recreational Vehicle Technician
RVs often feature small engines for generators, water pumps, and other onboard systems. Students with expertise in small engines and marine engines can pursue careers as RV technicians, where they inspect, maintain, and repair the mechanical and electrical systems of recreational vehicles, trailers, and campers.

Aircraft Maintenance Technician
The fundamentals of engine mechanics, including combustion principles, fuel systems, and electrical systems, are also relevant in the aviation industry. Students who have a solid understanding of small engines and marine engines can pursue careers as aircraft maintenance technicians, where they work on aircraft engines, perform inspections, and conduct routine maintenance to ensure safe operation.

Industrial Maintenance Tech In industrial settings, small engines are used in various equipment and machinery, such as forklifts, compressors, and pumps. Students can leverage their knowledge of engine mechanics to work as industrial maintenance technicians, where they troubleshoot equipment malfunctions, perform preventive maintenance, and ensure efficient operation of machinery in manufacturing plants, warehouses, and facilities.

Careers & Salaries

Small Engine Technician $30,000 to $50,000 annually

Inspects, services, and repairs small engines such as those found in lawn mowers, snow blowers, and chainsaws.

Marine Technician $35,000 to $60,000 annually

Specializes in the maintenance and repair of marine outboard motors, boat engines, and related marine equipment.

Motorcycle Technician $35,000 to $60,000 annually

Performs diagnostics, maintenance, and repairs on motorcycles, ensuring optimal performance and safety for riders.

Recreational Vehicle (RV) Technician $35,000 to $60,000 annually

Services and repairs various components of recreational vehicles (RVs), including engines, electrical systems, and appliances.

Aviation Maintenance Technician $45,000 to $80,000 annually

Specializes in the inspection, repair, and maintenance of aircraft engines, ensuring safe and reliable operation of airplanes and helicopters.

Service Manager $40,000 to $70,000 annually

Oversees the operations of a service department, including scheduling repairs, managing technicians, and ensuring customer satisfaction.

Racing Mechanic $50,000 to $100,000 annually

Specializes in high-performance engines used in racing cars, tuning and optimizing engines for maximum power and reliability on the race track.

Power Plant Technician $50,000 to $90,000 annually

Maintains and troubleshoots engines and generators used in power plants, ensuring continuous power supply and operational efficiency.

Diesel Engine Technician $45,000 to $80,000 annually

Diagnoses and repairs diesel engines used in trucks, buses, locomotives, and heavy machinery, ensuring optimal performance and efficiency.

Powersports Dealership Owner/Operator $50,000 to $100,000+ annually

Manages and operates a dealership specializing in powersports vehicles, overseeing sales, service, and customer relations.

(U.S. Bureau of Labor Statistics)



Pre-Apprenticeship



Jason Darling
Instructor
Pre-Apprenticeship

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REGION 10
TECHNICAL HIGH SCHOOL

PRE-APPRENTICESHIP



Jacob Haskell
Zachau Construction

Boost your resume and impress employers with real-world experience gained in our Pre-Apprenticeship program.

Pre-Apprenticeship

Unlocking Opportunities

The Pre-Apprenticeship program at Region 10 serves as a preparatory phase for individuals interested in pursuing a career in a specific trade or industry. These paid pre-apprenticeships are typically conducted on the job site during the school day. They offer participants foundational knowledge, practical skills training, and exposure to essential aspects of their chosen field. Participants learn about industry standards, safety protocols, and basic techniques relevant to their desired trade through a combination of classroom instruction and hands-on training. Ultimately, pre-apprenticeship programs aim to equip individuals with the fundamental skills and knowledge necessary to successfully transition into formal apprenticeships or entry-level positions within their chosen industry.

Hands-On Learning with Academic Support

The R10 Tech Pre-Apprenticeship program offers students a dynamic pathway to earning academic credit while immersing themselves in real-world work experiences. Under the mentorship of our dedicated instructors, students engage in work or internships, receiving regular monitoring and comprehensive evaluations to ensure their growth and success in the workplace.

Balancing Work & Education

In addition to their hands-on experiences, students participate in an academic component. These classes cover essential topics such as job readiness skills, career exploration, and financial literacy. By blending practical work experience with structured academic instruction, our program empowers students to maximize their learning potential and excel in both their academic and professional pursuits.

Empowering Future Leaders

Through the Pre-Apprenticeship program, students not only gain valuable workplace skills but also develop a deep understanding of workplace systems, policies, and procedures. They emerge with a strong foundation in financial literacy and entrepreneurship, preparing them to navigate the complexities of the modern workforce with confidence and competence.



Gabe Silva '23
Mid-Coast Hospital

Skills Learned

Workplace Readiness

- Personal Qualities and People Skills
- Positive Work Ethic
- Integrity
- Teamwork
- Self-representation
- Diversity Awareness
- Conflict Resolution
- Creativity and Resourcefulness
- Leadership Skills

Financial Literacy

- Wages, benefits, taxes
- Budgeting
- Financial vocabulary
- Banking: terminology and skills
- Credit/Debit
- Loans

Professional Knowledge

- Employment plan
- Transition plan
- Career Research and planning
- Communication Skills
- Technical reading and writing
- Critical Thinking and Problem Solving

Organizations, Systems & Climates

- Job acquisition and advancement
- The Global Workforce
- Entrepreneurship





Emily Pelkey ‘24
Casco Bay Steel

Objectives of Pre-Apprenticeship

Bridging the Skills Gap

The Pre-Apprenticeship program at R10 Tech serves as a vital bridge between students seeking to develop practical skills and local employers in need of skilled workers. By providing students with hands-on experience and exposure to real-world work environments, the program equips them with the skills and knowledge demanded by today's workforce. Employers benefit from access to a pool of talented individuals who are not only equipped with relevant skills but also possess a strong work ethic and a commitment to professional growth.

Meeting Employer Needs

In an increasingly competitive job market, employers are constantly seeking skilled workers who can hit the ground running. The Pre-Apprenticeship program addresses this need by ensuring that students graduate with a solid understanding of industry-specific practices and procedures. Employers in the area benefit from a pipeline of skilled candidates who are ready to contribute to their organizations from day one, reducing the time and resources required for training and onboarding.

Fostering Collaboration

The Pre-Apprenticeship program fosters collaboration between educational institutions and local businesses, creating mutually beneficial partnerships that drive economic growth and prosperity in the community. Employers have the opportunity to actively engage with students, providing mentorship, guidance, and hands-on training that aligns with industry standards and expectations. In return, students gain invaluable insights into the realities of the workplace and develop meaningful connections with potential employers.

Addressing Workforce Development Needs

As industries evolve and technology advances, there is a growing demand for skilled workers in various sectors. The Pre-Apprenticeship program plays a crucial role in addressing these workforce development needs by preparing students for careers in high-demand fields. By focusing on job readiness skills, career exploration, and financial literacy, the program ensures that students are well-equipped to succeed in the modern workforce, ultimately benefiting both students and employers alike.

Building a Stronger Community

By investing in the development of young talent, the Pre-Apprenticeship program contributes to the long-term economic vitality and sustainability of the community. By providing students with the opportunity to gain valuable skills and experience close to home, the program encourages them to stay and contribute to the local economy, strengthening the community's workforce and fostering a sense of pride and belonging among residents. In this way, the program creates a win-win situation for students, employers, and the community as a whole.

Pre-Apprenticeship Opportunities

C.N.A.

Joining a pre-apprenticeship program in a hospital or nursing home as a Certified Nursing Assistant (CNA) offers invaluable hands-on experience and exposure to real-world healthcare settings. Through mentorship from seasoned professionals and practical training, CNAs gain deeper insights into patient care, hone their skills, and cultivate the confidence needed to excel in their roles, laying a solid foundation for a fulfilling career in healthcare.





Culinary Arts

Embarking on an apprenticeship in Culinary Arts offers aspiring chefs an immersive journey into the world of gastronomy. Under the guidance of seasoned culinary professionals, apprentices refine their culinary techniques, explore diverse cuisines, and learn the artistry of food presentation. Through hands-on experience in professional kitchens and exposure to culinary theory, apprentices cultivate a passion for creativity and excellence, preparing them for a rewarding career in the culinary arts.

> An apprenticeship isn't just a path; it's a scaffold that supports the construction of a successful career.



Early Childhood Ed

Attending an apprenticeship program in Early Childhood Education provides aspiring educators with invaluable hands-on experience and mentorship in nurturing young minds. Through immersive learning in real classroom settings and guidance from seasoned professionals, apprentices gain practical skills, develop teaching techniques, and cultivate a deep understanding of child development, laying a solid foundation for a rewarding career in shaping the future generation.



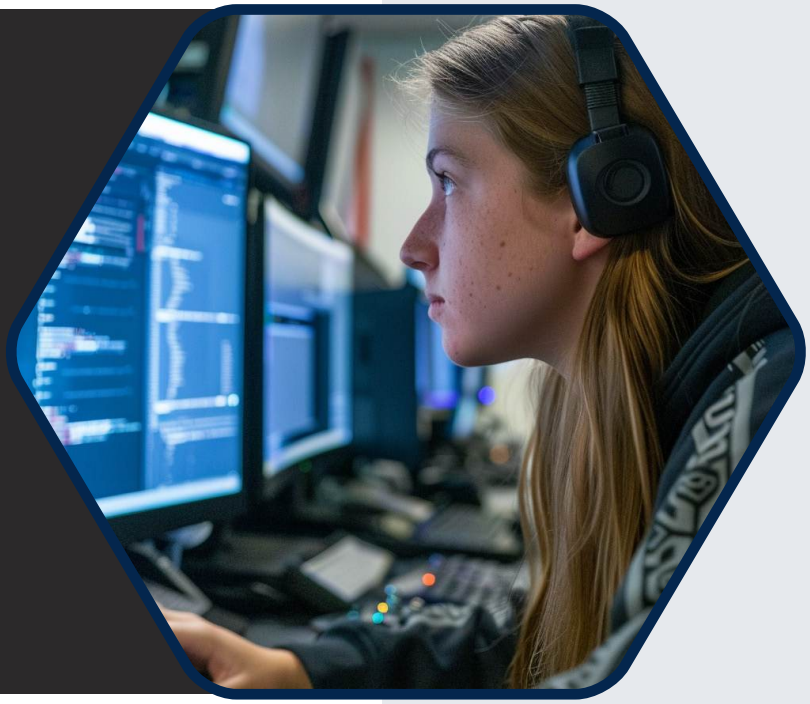
Building Trades

Becoming an apprentice in the building trades presents a unique opportunity for hands-on learning and skill development in the construction industry. Through structured training programs and on-the-job experience, apprentices gain practical expertise in various trades such as carpentry, plumbing, and electrical work. This immersive learning experience not only equips apprentices with the technical skills needed for success but also fosters a strong foundation for career advancement and lifelong craftsmanship.

Pre-Apprenticeship Opportunities

Informational Technology & Cybersecurity

Embarking on a pre-apprenticeship program in Cybersecurity offers students a gateway to a rapidly growing and essential field. Through immersive training in threat detection, incident response, and data protection, participants gain hands-on experience and foundational knowledge crucial for a successful career in safeguarding digital assets.





Welding & Metal Fabrication

Under the guidance of seasoned professionals, students hone their abilities in precision welding, metal cutting, and assembly, while also mastering safety protocols and equipment operation. This immersive learning experience not only prepares individuals for the demands of the field but also instills a strong work ethic and attention to detail. Graduates are poised to pursue further apprenticeships or entry-level positions, equipped with the expertise and confidence to excel in Welding and Metal Fabrication careers.

> In apprenticeships, knowledge is not just taught but applied, preparing individuals to tackle the challenges of their industry with confidence.



Auto Collision

Embarking on a pre-apprenticeship program in Auto Collision equips individuals with the foundational skills necessary for a thriving career in automotive repair. Under the mentorship of experienced professionals, students gain expertise in dent repair, panel replacement, and paint application, while also mastering safety procedures and industry standards. This immersive learning experience not only fosters technical proficiency but also cultivates problem-solving abilities and attention to detail essential for success in the field.



Outdoor Power Equipment

Participating in an apprenticeship program focused on small engine mechanics offers aspiring technicians invaluable hands-on experience and mentorship. Through immersive training in diagnosing, repairing, and maintaining a variety of small engines used in outdoor power equipment such as marine engines, lawnmowers, chainsaws, and leaf blowers, apprentices develop essential skills essential for a fulfilling career in this specialized field.

Pre-Apprenticeship Opportunities

Auto Technology

Participating in an apprenticeship program in Auto Technology offers aspiring mechanics a comprehensive learning experience and valuable mentorship. Through practical training in engine diagnostics, vehicle maintenance, and repair techniques, apprentices develop the expertise and proficiency needed to succeed in the automotive industry. Under the guidance of seasoned professionals, apprentices not only hone their technical skills but also cultivate a strong work ethic and attention to detail.





Electrical Technology

Embarking on an apprenticeship program in Electrical Technology provides students with essential skills and practical experience in a dynamic field. Through hands-on training in electrical systems, wiring, and troubleshooting, apprentices gain a deep understanding of industry standards and safety protocols. With guidance from experienced professionals, apprentices develop the expertise and confidence to excel in electrical installations, maintenance, and repair, laying a solid foundation for a successful career in this essential industry.

> In an apprenticeship, individuals develop both technical proficiency and soft skills, enhancing their employability and adaptability in a dynamic job market



Creative Digital Media

Participating in an apprenticeship program in Digital Communications offers aspiring designers an immersive learning experience and invaluable mentorship. Through hands-on training in design principles, software proficiency, and project management, apprentices develop the skills and creativity necessary to thrive in the dynamic world of digital media. Under the guidance of experienced professionals, apprentices not only refine their technical abilities but also cultivate a keen eye for aesthetics and effective communication strategies, paving the way for a successful career in the creative industry.



EMT

Joining an apprenticeship program in Emergency Medical Technology provides aspiring paramedics with critical hands-on experience and mentorship. Through immersive training in patient assessment, emergency response protocols, and medical interventions, apprentices develop the skills and confidence necessary to excel in high-pressure situations and save lives. (completion of E.M.T program required)

REGION 10 TECH

F.A.Q

FOLLOW US ON

When contemplating enrollment in a pre-apprenticeship program, numerous questions naturally arise. Here, we address some of the most frequently asked ones. Should you have any inquiries, please don't hesitate to contact Mr. Jason Darling at darling@r10tech.org.

1

Do I need to complete a program at Region 10 to apply for Pre-Apprenticeship?

Engaging in a program at Region 10 before pursuing a pre-apprenticeship can certainly enhance your prospects for specific types of employment. However, we are committed to assisting you in securing employment regardless of your prior experience.

2

Do I get paid a set amount or does it vary by employer?

The compensation you receive for your pre-apprenticeship work is determined by the employer and is based upon your qualifications.

3

Do I have to be a senior to qualify?

Yes you do. This program is open to all rising seniors with the goal of securing solid experience to enter the workforce in a strong position.

4

Can it be an under-the-counter job?

All jobs must be legal, payroll positions, where the employer adheres to all child labor laws, pays at least minimum wage, and provides worker's compensation coverage for the employee.



5

Why is an apprenticeship better than a job in high school?

An apprenticeship offers students the opportunity to gain practical, hands-on experience in a structured learning environment while earning academic credits. Unlike a typical job, apprenticeships provide mentorship, skill development, and exposure to potential career paths, laying a solid foundation for future success.

6

How many hours/days do I work?

Students will be released from school on their scheduled Region 10 days, after completing the classroom component of the program (released at 9:30 am to go to work). That equates to five school days of working over two weeks, but students are not limited to work more hours with their employer after school and on the weekends..

7

What do I do in the classroom?

Student classwork is centered around creating professional documents (i.e. - resume, cover letter, letter of resignation, etc.), professional correspondence and communication within the workplace, building employability skills, and financial literacy.

8

Does my performance at work influence my grade?

Although employer evaluations are a routine part of the program, the grade is given by the program instructor.

Pre-Medicine & Allied Health



TBA
Instructor
Pre-Medicine & Allied Health

CONTACT INFORMATION

Email frontdesk@r10tech.org
Web www.r10tech.org/pre-medicine
Phone 207-729-6622 Ext TBA

APPLY NOW



REGION 10
TECHNICAL HIGH SCHOOL

PRE-MEDICINE & ALLIED HEALTH

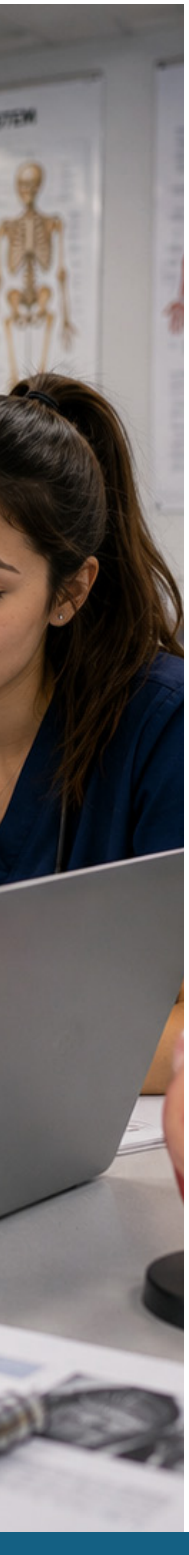
Pre-Medicine & Allied Health

Are you passionate about pursuing a career in medicine, physical therapy, medical imaging, pharmacy, or clinical diagnostics? The Foundations of Pre-Medicine & Allied Health program provides high school students with a comprehensive, hands-on launching pad into the fast-growing healthcare field.



In this pathway, you will step beyond basic textbooks and into the role of a healthcare professional. Under the guidance of medical standards, you will gain essential clinical and administrative skills — from patient intake, vital sign assessment, and diagnostic procedures to medical ethics, pharmacology, and clinical examination assistance. Through interactive medical lab simulations, clinical skills practice, and case studies, students build mastery across essential clinical and administrative domains.

Upon completing the program, students gain the foundational skills necessary to excel in the healthcare field, along with versatile skills applicable to a wide range of pre-professional health careers. With hands-on clinical practice and professional guidance, graduates are well-equipped to pursue advanced post-secondary degrees or enter the workforce with a strong clinical foundation..



Education isn't just about the present; **it's about investing in yourself for a brighter future**, where your potential knows no bounds.



Year One & Year Two

Foundations of Pre-Medicine & Allied Health Year 1

This program offers foundational skills for entry into the healthcare field, teaching students medical terminology and the structure and function of the human body's major systems. Participants gain hands-on experience through clinical lab simulations, mastering tasks such as patient intake, vital sign assessment, routine diagnostic procedures, and emergency first-aid protocols.

Foundations of Pre-Medicine & Allied Health Year 2

Designed for second-year students, this program builds upon foundational knowledge with advanced skills in clinical diagnostics and patient communication. Students continue to work with industry-standard medical equipment while navigating patient rights, HIPAA privacy laws, and effective patient communication strategies. Emphasizing real-world application, students engage in daily exposure to practical scenarios through electronic health records management and front-office workflows, along with clinical shadowing and mentorships with physicians, radiologists, physical therapists, pharmacists, and diagnostic specialists.

Concurrent Enrollment

Get a head start on your pre-med or allied health degree. Through our concurrent enrollment partnerships, the courses below earn tuition-free college credit that transfers directly into university pre-health programs. The principles and skills taught in the Foundations of Pre-Medicine & Allied Health program are relevant across a spectrum of healthcare career paths. Students acquire knowledge of anatomy, clinical procedures, patient care, and medical ethics forming the bedrock for careers ranging from direct patient care to diagnostics, therapy, and pharmaceutical science. Students compete in clinical, emergency, and leadership events through HOSA – Future Health Professionals.

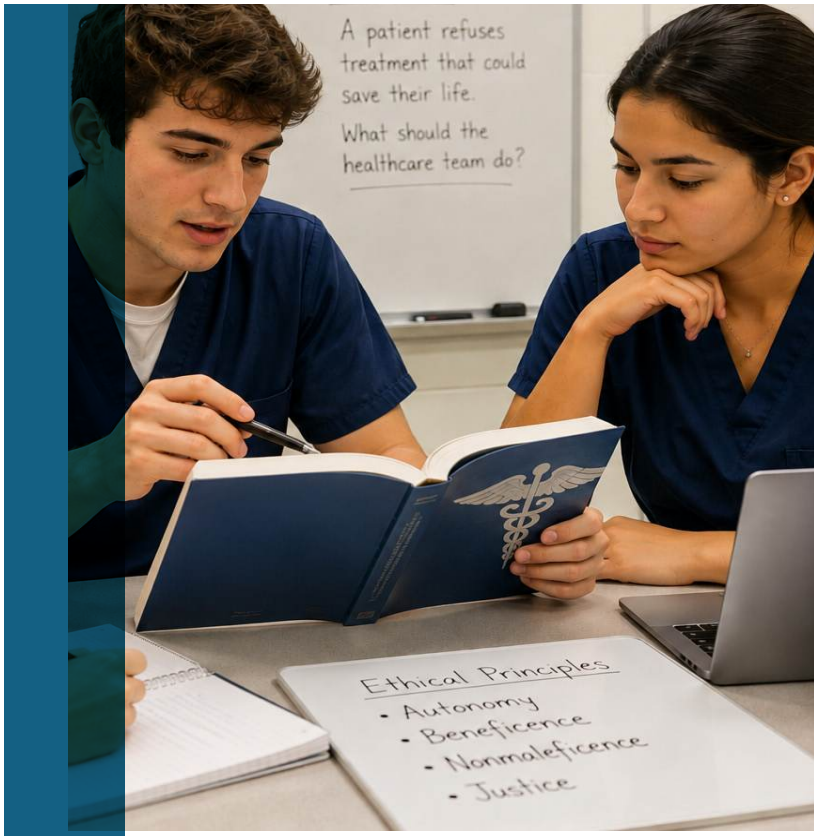


Medical Science Foundations

Students will learn the language of healthcare, mastering medical terminology, root words, prefixes, and suffixes used to describe body systems, conditions, and procedures. This course is equivalent to ALH 101: Medical Terminology and worth 3 credits at the college level.

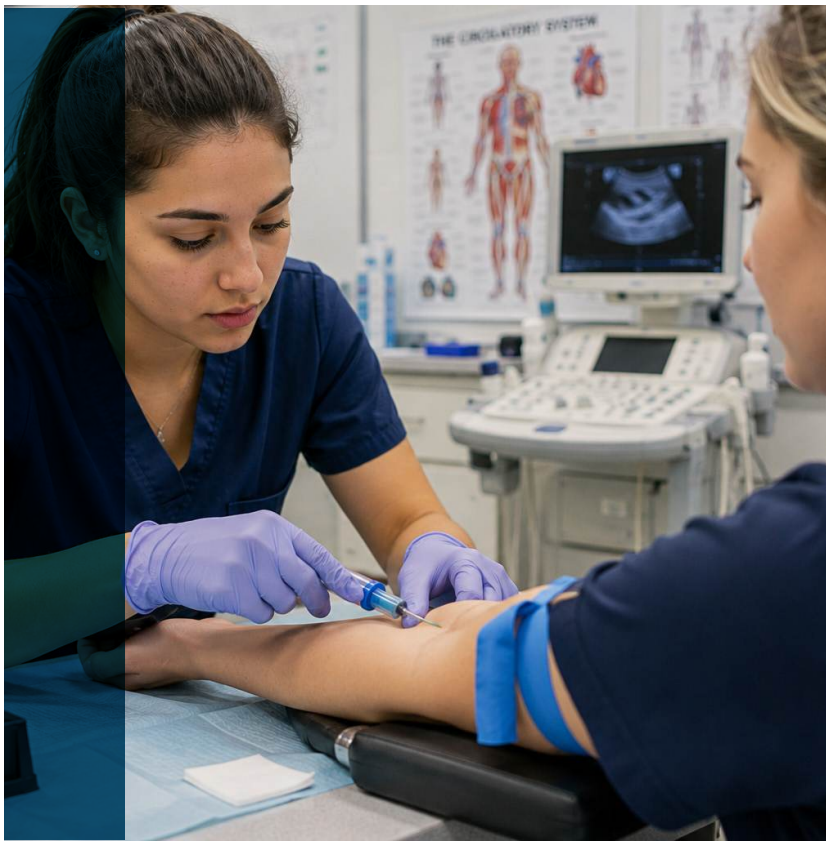
Human Anatomy & Clinical Care

Students will study the structure and function of the human body's major systems, from skeletal and muscular to cardiovascular and nervous, building the foundation for all future clinical coursework. This course is equivalent to BIO 201: Human Anatomy & Physiology. This course is worth 3 college credits



Healthcare Law, Ethics & Communications

Students will navigate patient rights, HIPAA privacy laws, and medical ethics while developing effective patient communication strategies used across clinical settings. This course is equivalent to HSC 105: Healthcare Law, Ethics & Diversity. Completeion of this course is worth 3 collge credits

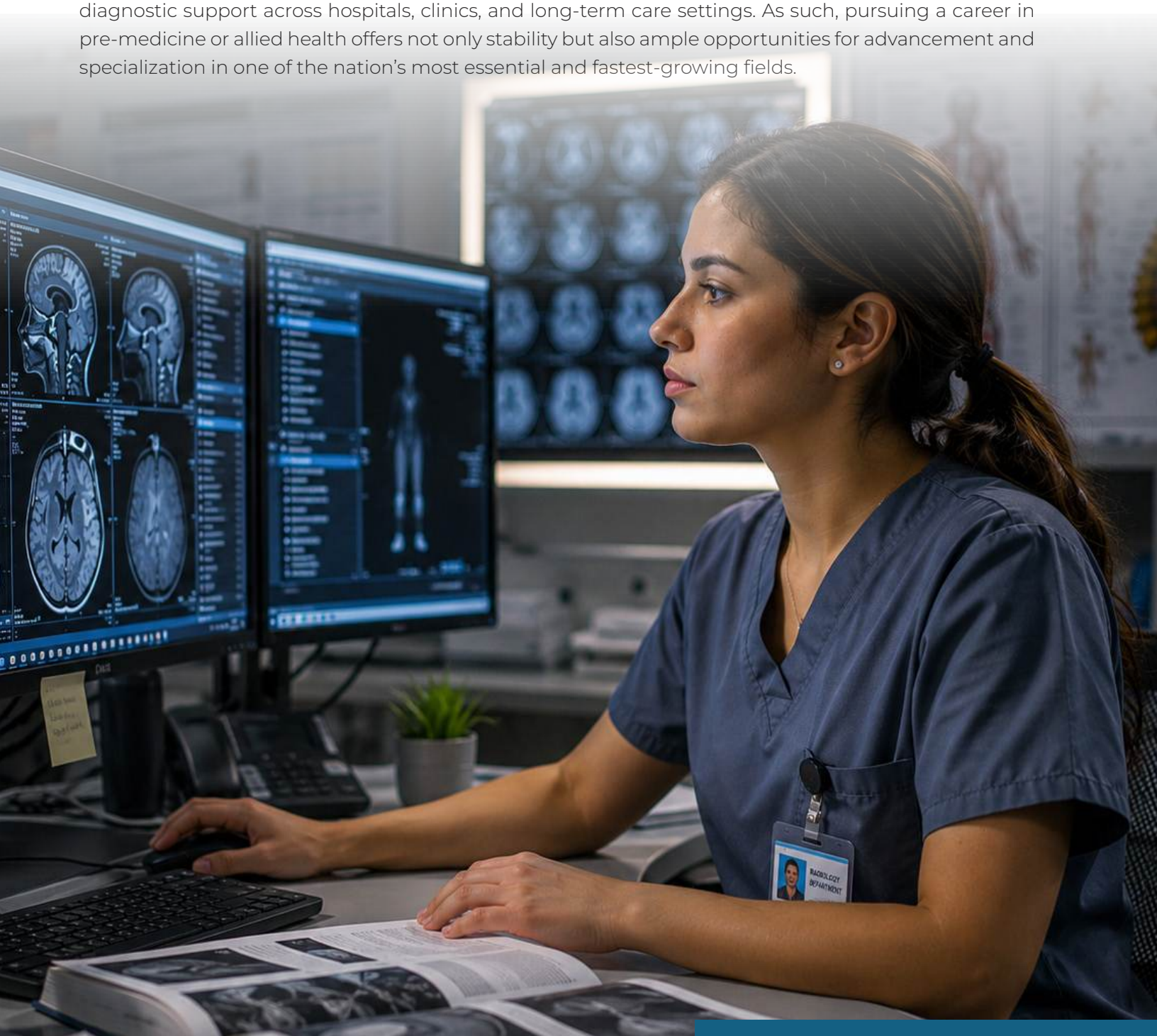


Clinical DIagnostic Procedures

Students will perform patient intake, measure vital signs, and practice routine diagnostic testing and recording procedures using industry-standard equipment. This course is equivalent to MAP 110: Introduction to Clinical Procedures. The course is worth 3 colege credits

Careers & Salaries

From clinical diagnostics to patient care and medical office administration, allied health workers play a vital role in keeping our healthcare system running and our communities healthy. According to the U.S. Bureau of Labor Statistics, healthcare and social assistance is projected to be the fastest-growing industry sector in the country, with healthcare support occupations expected to grow 12.4% and healthcare practitioners and technical occupations expected to grow 7.2% between 2024 and 2034 — both far outpacing the 3.1% growth rate projected for all occupations combined. This growth is driven by an aging population, rising rates of chronic illness, and the ongoing need for skilled clinical and diagnostic support across hospitals, clinics, and long-term care settings. As such, pursuing a career in pre-medicine or allied health offers not only stability but also ample opportunities for advancement and specialization in one of the nation's most essential and fastest-growing fields.



Phlebotomist — $38,000–$44,000/year
Source: U.S. Bureau of Labor Statistics, OEWS median $43,660/yr, May 2024, via MedicalAid.org 2026 Phlebotomist Salary Guide (medicalaid.org/blog/phlebotomist-salary)

Medical Assistant — $40,000–$51,000/year
Source: U.S. Bureau of Labor Statistics, OEWS median $44,200/yr, May 2024, via CCI Training 2026 Entry-Level Medical Assistant Jobs guide (ccitraining.edu/blog/entry-level-medical-assistant-jobs-and-salaries)

Medical Laboratory Technician — $55,000–$67,000/year
Source: U.S. Bureau of Labor Statistics, OEWS median $61,890/yr for clinical laboratory technologists/technicians, May 2024, via AllAlliedHealthSchools.com 2026 Med Tech Salary Guide (allalliedhealthschools.com/medical-technician/med-tech-salary)

Radiologic Technologist — $56,000–$80,000/year
Source: U.S. Bureau of Labor Statistics, OEWS median $77,660–$80,110/yr, May 2024/2025, via Nurse.org and Tesla MR Institute 2026 Rad Tech Salary Guides (nurse.org/education/radiology-tech-salary; teslamr.com/guides/radiologic-technologist-salary)

Medical Laboratory Scientist (Bachelor's) — $61,000–$81,000/year
Source: Salary.com, 2026 Medical Laboratory Scientist Salary data (salary.com/research/salary/hiring/medical-laboratory-scientist-salary)

Physical Therapist Assistant — $58,000–$66,000/year
Source: U.S. Bureau of Labor Statistics, OEWS median $65,510/yr, May 2024, via AllAlliedHealthSchools.com 2026 PT Salary Guide (allalliedhealthschools.com/physical-therapy/physical-therapist-salary)

Physical Therapist — $83,000–$101,000/year
Source: U.S. Bureau of Labor Statistics, OEWS median $101,020/yr, May 2024, via US News 2026 Best Jobs (careers.usnews.com/best-jobs/physical-therapist/salary)

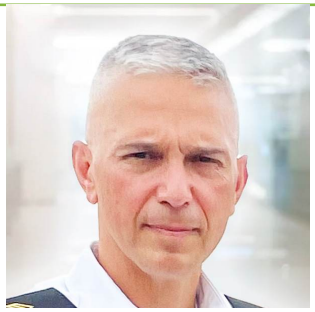
Pharmacist — $127,000–$159,000/year
Source: U.S. Bureau of Labor Statistics, OEWS median $137,480/yr, May 2024, via US News 2026 Best Jobs (careers.usnews.com/best-jobs/pharmacist/salary)

Physician Assistant — $113,000–$140,000/year
Source: U.S. Bureau of Labor Statistics, OEWS median $133,260–$135,880/yr, May 2024/2025, via US News 2026 Best Jobs (careers.usnews.com/best-jobs/physician-assistant/salary)

Physician (MD/DO) — $200,000–$272,320+/year
Source: U.S. Bureau of Labor Statistics, OEWS, May 2024, via US News 2026 Best Jobs (careers.usnews.com/best-jobs/pharmacist/salary)

Our Administration

We invite you to reach out to us whenever you have questions or concerns, as we believe in maintaining open lines of communication to support your needs and ensure a successful educational experience for all.



Shawn Chabot

Superintendent/DIrector

Mr. Chabot oversees the strategic direction, operations, and educational programs to ensure the delivery of high-quality technical education and the success of students.



Doug Dumont

Asst. Director

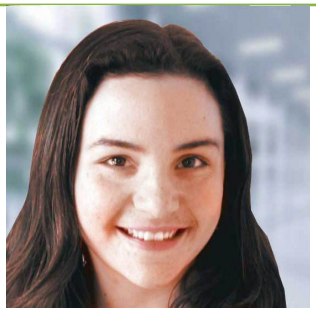
Mr. Stivers manages student enrollment, curriculum development, and student discipline, ensuring the smooth operation of the school and fostering an environment conducive to academic success and personal growth.



Colby Orr

Director of Student Support

Ms. Gunn oversees and implements programs and services aimed at enhancing the well-being, academic success, and overall development of students.



Kellie Gardner

Front Desk

Ms. Gardner is the go-to resource for any questions or concerns you may have. With a wealth of knowledge, she will ensure you receive accurate information and helpful guidance.



Clear and open communication is the lifeblood of community.