A letter from Superintendent James J. Brosnan

McCann Technical School has been providing quality technical training and an excellent academic education to students from our seven member communities for more than fifty-four years. We have an outstanding reputation throughout the Commonwealth, strong partnerships with numerous area employers, and a dedicated and caring faculty. Still, there are a number of misconceptions about what technical education is, and specifically, how it is delivered at McCann.

You are making an important decision about your future when you choose between attending an academic high school and coming to McCann. Our purpose is to help you make the choice that is right for you. In the pages that follow, and especially on our website, we will introduce you to our school and the opportunities available to our students. You may be surprised to learn that:

**McCann students receive “two educations in one”**. Our students receive the same amount of academic instruction as students enrolled in academic high schools, plus authentic, hands-on instruction in a chosen technical area.

**More than seventy percent of our graduates go directly on to college**. Some of these students earn college credits while at McCann through Project Lead the Way, articulation agreements and dual enrollment.

**Many of our students participate in the co-op program**, which allows them to spend weeks of paid employment in their technical major with area businesses.

**Graduates who choose to enter the workforce** directly after McCann typically have no difficulty obtaining skilled employment in their field.

**Our postsecondary programs in dental assisting, medical assisting, surgical technology, practical nursing and cosmetology** provide outstanding educational opportunities for area high school graduates.

Our dedication to your future is reflected in our state-of-the-art equipment, our well-maintained facilities, and our commitment to quality education and individual attention provided by a talented and diversified professional staff. We believe in **rigor and relevance** for all studies, measuring the **results** of student success, and in building **relationships** throughout our school community. With our students, parents, teachers, and professionals from local businesses and industry working toward one goal, **McCann Technical School is the right choice to prepare you for success**.

**History**

McCann Technical School opened in 1962 and for the past 54 years has offered quality secondary and postsecondary technical education to generations of area citizens. The school is named for its visionary founder, Charles H. McCann, and continues to evolve offering 9 secondary and 5 postsecondary programs with an enrollment of approximately 530 students.

**Administration**

James J. Brosnan, BA, MEd, CAGS, Superintendent  
Justin Kratz, BA, MEd, Principal  
Keith Daigneault BS, MEd, Assistant Principal  
Mary Lou Accetta, BS, MEd, Director Student Services

**School Committee**

Joseph Allard, Adams  
Richard Bernardi, Clarksburg  
Rachel I. Branch, North Adams  
George Canales, North Adams  
William Craig, Cheshire  
Aaron Dean, Adams  
William Diamond, North Adams  
James R. Gazzaniga, Williamstown  
Paul Gigliotti, North Adams  
Thomas Mahar, Williamstown (Chairperson)  
Daniel J. Maloney, Jr., Adams  
Kimberly Oakes, Monroe  
Rebecca O’Hearn, Florida  
Dr. Robert Reilly, Lanesborough  
Susan Reinhardt, Savoy  
Gary Rivers, North Adams
Mission
The mission of McCann Technical School is to graduate technically skilled, academically prepared, and socially responsible individuals ready to meet the challenges of the 21st century.

Vision
McCann Technical School is committed to being the leader of quality technical education and academic achievement in the Commonwealth of Massachusetts.

Educational Philosophy
Our educational philosophy is sustained by individuals dedicated to customer focus and satisfaction through continuous improvement. The school community will create a learning environment that motivates and actively engages all students in mastering rigorous academic and technical curricula. This philosophy is implemented by adhering to our core values of communication, achievement, respect and ethics.

- Communication strengthens partnership development and teamwork.
- Achievement is attained through a strong work ethic.
- Respect from all guarantees a safe learning environment.
- Ethics ensure a dedication to honesty and integrity.

Goals
- To increase the percentage of students performing at the proficient and advanced MCAS levels.
- To increase the utilization of data to improve student performance.
- To engage students through dynamic and technologically integrated teaching strategies.
- To implement a rigorous and relevant curriculum that is aligned to the academic and technical Massachusetts Curriculum Frameworks and Common Core standards.
- To align technical programs to national standards and accreditation requirements, allowing students to obtain relevant licensure/certifications.
- To promote environmental awareness through green initiatives.
- To develop recruiting strategies to expand community awareness.
Project Lead the Way

PLTW is the nation’s leading science, technology, engineering, and mathematics (STEM) solution in over 8,000 schools across the U.S. The Project Lead The Way curriculum give students a chance to apply what they know, identify a problem, find unique solutions, and lead their own learning. Whether a student is curious to understand more about engineering, has decided to pursue it as a career, or simply wants to learn to think critically, work collaboratively, and explore how math and science work in everyday life, the PLTW Engineering program provides a track for success.

Students engage in the engineering design process and develop vital skills including teamwork, communication, and critical thinking. Students use the same industry-leading technology and software as the world’s top companies. In the capstone course, students have the opportunity to identify a problem they are passionate about solving and develop a solution using the engineering design process. The exciting and challenging fields of engineering come alive in the PLTW engineering program which is designed to prepare students for careers or postsecondary study of STEM fields, as well as provide the opportunity to gain college credit while in high school.

McCann students enrolled in PLTW take college-level classes above and beyond all their other academic and technical coursework: Introduction to Engineering Design, Computer Science and Software Engineering, Principles Of Engineering, and the capstone course Engineering Design and Development.
SkillsUSA is a partnership of students, teachers and industry representatives working together to ensure America has a skilled work force. McCann is a 100% participation member of SkillsUSA, a national organization with more than 300,000 members. All students participate in chapter activities and local, state and national skills competitions.

At the 2015 SkillsUSA State Leadership Competition, McCann students earned gold medals in sheet metal at the high school level and dental assisting, medical assisting, and job interview at the postsecondary level. Silver medals were awarded to two high school students for the Costello Family Community Service Award, and to a postsecondary student in job interview. Bronze medals were earned in 3-D visualization & animation, internetworking, technical computer applications, and welding at the high school level as well as cosmetology at the postsecondary level. Additionally, for the third year in a row, a McCann student was elected to serve as a state officer, and two additional students were selected to serve as voting delegates at the national conference.

Gold medal winners earned the opportunity to compete at the SkillsUSA National Leadership and Skills Conference, held at the end of June in Louisville, KY where more than 15,000 people including students, teachers and business partners participated in the week-long event highlighted by competitions in a variety of hands-on trade, technical, and leadership fields. At the 2015 National Conference, for the first time in the history of the school, a McCann student earned a seat on the SkillsUSA national officer team. **Samantha Dorwin** (Machine Technology Class of 2016) was elected to serve as the 2015-2016 National Region One Vice-President.
McCann Tech students in the business technology and information technology programs have participated in BPA since September 2005. During each of the past ten years, McCann students have demonstrated their expertise at national competitions in such exciting places as Orlando, FL; New York City; Reno, NV; Dallas, TX; Anaheim, CA; Chicago, IL; Washington DC; and, in 2016, for BPA’s 50th anniversary, Boston, MA. Business Professionals of America (BPA) is a national organization for high school, college, and middle school students preparing for careers in business and information technology. The organization’s activities and programs complement classroom instruction by giving students practical experience through application of the skills learned at school. BPA is contributing to the preparation of a world-class workforce through the advancement of leadership, citizenship, academic, and technological skills.

At the 2015 BPA State Leadership Conference (held in Framingham, MA) McCann students received a total of eighteen awards in finance, administrative support, human resources/management, and information technology competitions, bringing home five first place, five second place, and five third place awards.

In May 2015, twelve McCann students travelled to Anaheim, CA to join over 5,000 other conference attendees from across the nation to participate in business skills competitions, workshops, general sessions, intern assignments, and national officer candidate elections. Achievements earned at the national competition included a top ten medal in database applications. Besides having the opportunity to showcase their skills, the students were able to visit Disneyland and tour Hollywood. Additionally, for the second year in a row, Andrea Leal (Business Technology Class of 2014) was elected to a seat on the national officer team, serving the 2015-2016 school year as BPA’s Postsecondary Division National Secretary/Treasurer.
Co-Op & Robotics

The complexity of the ever changing global economy requires a workforce that is technically proficient, flexible and possesses a large array of complementary skills including problem solving, critical thinking, communication, research skills and, who are socially adept at working independently and as a team. The co-operative education component at McCann allows seniors to be employed by area companies in their technical major. These students are able to receive on-the-job work experience through these salaried positions enabling them to gain greater confidence in their field and in the culture of business operations. Students must meet the scholastic and technical eligibility requirements, successfully complete the business application and interview process and be able to transport themselves to these business locations. The experiences gained through cooperative education are critically beneficial to graduates entering the workforce, continuing their collegiate education or entering into military service.

The Robotics Team, Mad McCannics – FTC Team #8519, offers students an opportunity to develop strategy and build robots based on sound engineering principles. Teams use a modular robotics platform – powered by Android technology – to design, build, and compete in the FIRST Tech Challenge. The team participates in exciting competitive events with judges and awards at the local, state, and regional level. Students explore the creative problem-solving process within an intense, fun, sports competition model. Each challenge requires them to design, build, and program robots. They gain hands-on programming and rapid-prototyping experience, apply real-world mathematics and science concepts, and develop problem-solving, organizational, and team-building skills.
The automotive technology program prepares students in all entry-level phases of the automotive industry necessary to repair today’s modern vehicles. Training includes: foundations and safety, engine repair, automatic transmission and transaxle, manual drive train and axle, steering and suspension, brakes, electrical and electronic systems, heating and air-conditioning, and engine performance. Students are prepared to diagnose and repair vehicle emission system failures using state of the art electronic test equipment and are instructed on the latest repair techniques. This program offers students the chance to gain expertise in the diagnosis, repair, and testing of all types of foreign and domestic automobiles using sophisticated computerized equipment. As the automotive industry continues to evolve with new technologies it is imperative technicians are properly trained in these areas. Our CDX online curriculum offers students online eBooks, an audio book, power points, videos, and interactive animations. Since it is in an online version it is consistently updated to be sure our students are learning the latest available technology. Instructors continually attend training seminars to keep up with the latest trends and techniques available in the automotive industry.

Our automotive technology program is NATEF (National Automotive Technicians Education Foundation) accredited at the Automotive Service Technology level. We are also affiliated with the AYES (Automotive Youth Educational System) initiative. AYES serves in a liaison capacity providing mentorships, apprenticeships and placement opportunities with area dealerships and service providers. They work along with our instructors and cooperative education coordinator to assure the best placements for our students.
Curriculum Frameworks
The automotive technology program adheres to the Massachusetts Department of Elementary and Secondary Education, Career Vocational Technical Education curriculum frameworks which can be found at www.doe.mass.edu/cte/frameworks/

Career Opportunities
An automotive education prepares students for rewarding careers as master technicians, transmission technicians, drive-ability and electrical specialists, front-end specialists, tire and alignment specialists, service managers, service writers, parts managers, and parts-counter specialists. With further education automotive students can go on to become service engineers, diesel engine specialists, automotive writers, pit-crew team members, and more.
Additional information is available at www.mccanntech.org.

Certification and Affiliations
Students completing the automotive program are eligible to receive the following certification:
• SkillsUSA Work Force Ready System certification
• SP2 Safety Training
• The U.S. Department of Labor Occupational Safety and Health (OSHA) General Industry Safety and Health certification
The automotive program is affiliated with the following professional organizations:
• National Automotive Technicians Education Foundation (NATEF)
• National Institute for Automotive Service Excellence (ASE)
• Automotive Youth Education Systems (AYES)
The world of business is diverse and touches all aspects of today's society. From small startup businesses to professional offices to large corporations, employers seek workers with strong communication, leadership, teamwork, computer, and time management skills. The business technology program, by combining business theory and technology skills, prepares students for a wide range of careers. Through the four year program, students gain a thorough knowledge of word processing, spreadsheet, database, presentation, and desktop publishing applications. Students explore fundamental business topics including marketing, management, customer service, entrepreneurship, communications, accounting and finance. Graduates of the business technology program leave with valuable and indispensable business skills that help them to excel beyond high school, whether entering the workforce ready to be effective team members in a business organization, or choosing to further their education in college. Even if graduates choose to follow a different career path, they can rest assured that the transferable skills learned in the business technology program will be in high demand.
Curriculum Frameworks
The business technology program adheres to the Massachusetts Department of Elementary and Secondary Education, Career Vocational Technical Education curriculum frameworks which can be found at www.doe.mass.edu/cte/frameworks/

Career Opportunities
Upon graduation, students who have completed the business technology program are prepared for entry-level careers in administrative support, banking, customer service, and accounting. With further education in a business-related college program, students can pursue careers in accounting, finance, business administration, management, and marketing. Because business is diverse, there is something to suit almost everyone, with employment opportunities in many settings, including corporate, government and not-for-profit organizations.

“McCann Tech is a great school and provides students with a strong foundation whether they are entering college or going directly into the workforce. Personally, I attribute many of my “core” strengths to lessons and experiences I had while at McCann Technical High School!”

Shelley K. Guyette
Senior Vice President Human Resources
Berkshire Bank

Certification and Affiliations
Students completing the business technology program are eligible to receive the following certification:

- SkillsUSA Work Force Ready System certification in Customer Service, Employability
- Microsoft Office Specialist certifications in Word, Word Expert, Excel, Excel Expert, PowerPoint, Access, and Outlook
- Internet and Computing Core Certification (IC3)

The business technology program is affiliated with the following professional organizations:

- Business Professionals of America
The carpentry program prepares students for careers in construction-related fields by developing their skills in building construction and woodworking techniques. Through classroom projects, and actual work in both the school and community, students learn skills including installing roofs, windows, and doors, framing, constructing footings and foundations and all aspects of residential and commercial construction. While developing these skills students move through the different phases of project-planning including blueprint creation and reading, estimating costs and creating material lists, creating work schedules and completing tasks on time. Carpentry students can also learn the art of furniture and cabinet making by choosing the cabinetry pathway. Regardless of which path students choose they will complete the program with the expertise necessary to enter directly into the workforce or pursue further education.
Curriculum Frameworks
The carpentry/cabinetry program adheres to the Massachusetts Department of Elementary and Secondary Education, Career Vocational Technical Education curriculum frameworks which can be found at www.doe.mass.edu/cte/frameworks/

Career Opportunities
Upon completion of the carpentry program students are prepared for entry in the career fields of both residential and commercial construction, foundations, structure and building contractors, project estimators, renovation specialists, furniture makers and industrial carpenters for scaffolding and concrete specialties. With further education students can pursue careers as architects, building engineers, construction managers, civil engineers, construction managers, civil engineers, and renovation specialists.

Certification and Affiliations
Students completing the carpentry program are eligible to receive the following certifications:
• SkillsUSA Work Force Ready System certification
• Modern Carpentry Precision Exam Certificate
• The U.S. Department of Labor Occupational Safety and Health (OSHA) Construction Safety and Health Certification
Career opportunities in the fields of mechanical design, architectural design and computer animation require designers that are competent, knowledgeable and highly-skilled in the use of the latest software and methods. The CAD department trains students utilizing the latest software including AutoCAD, PTC Creo, SolidWorks, SoftPlan, Sweet Home 3D, Revit, Z Brush, Maya and Unity. CAD students utilize the design process to create real world projects. With the help of high-end software, hands-on Design for Manufacturability (DFM) and Design for Assembly (DFA) studies and a variety of 3D printers, students are able to take the design process through all of its stages by brainstorming, designing, creating a working prototype, troubleshooting and eventually manufacturing. Creating 3D models, technical drawings, floor plans, computer animations, and working prototypes prepares students to pursue careers in manufacturing, construction, animation or further their CAD education at the college level.
Curriculum Frameworks

The computer assisted design program adheres to the Massachusetts Department of Elementary and Secondary Education, Career Vocational Technical Education curriculum frameworks which can be found at www.doe.mass.edu/cte/frameworks/

Career Opportunities

Upon completion of the CAD program at McCann students are prepared to undertake careers as CAD operators, layout designers, structural drafters, mechanical drafters, civil drafters, computer animation technicians, and architectural drafters. With further education, students who have completed the CAD program can pursue careers as architects, mechanical engineers, injection mold designers, civil engineers, 3D animators, electrical or electronic engineers, and aeronautical engineers.

“

My employer was very impressed with McCann’s ability to prepare students for the working world. Thanks to McCann I have been at General Dynamics for 3 years, was able to buy a home 1 year after graduation and I continue to look forward to more related education and career advancement opportunities.”

Michelle Briggs

CAD 2013

General Dynamics

Certification and Affiliations

Students completing the computer assisted design program are eligible to receive the following certifications:

- SkillsUSA Work Force Ready System certification
- NOCTI CAD Certification
The culinary arts program is proud to be Berkshire County’s only culinary program certified by the American Culinary Federation. This distinction is a direct result of the high quality culinary education our students receive. Students enrolled in culinary arts progress from the fundamentals of baking and cooking to the more creative aspects of the field. In addition to daily assignments in our modern kitchens, opportunities for students to apply their knowledge are provided through participation in our school cafeteria, “Tea Room” restaurant and bake-shop, the annual Gourmet Dinner, as well as SkillsUSA competitions. The demand for qualified employees in the hospitality fields is growing and graduating from the culinary arts program will help ensure you are ready to pursue a career in this exciting area or further develop your skills at a postsecondary institution.
Curriculum Frameworks
The culinary arts program adheres to the Massachusetts Department of Elementary and Secondary Education, Career Vocational Technical Education curriculum frameworks which can be found at www.doe.mass.edu/cte/frameworks/

Career Opportunities
Upon completion of the culinary arts program students are prepared to undertake careers as baker’s assistant, prep cook, line cook, dietary aide, kitchen assistant, meat fabricator, concessionaire, gardé manager, fast food manager, and supermarket food service clerk. With further education, students who have completed the culinary program can pursue careers as a bakery or restaurant owner, food service manager, kitchen manager, executive chef, banquet chef, sous chef, pastry chef, dining manager, restaurant manager, food and beverage director, dietitian, Maitre D’, research chef, hotel manager, catering and sales director or supermarket foodservice manager.

Certification and Affiliations
Students completing the culinary arts program are eligible to receive the following certifications:
• SkillsUSA Work Force Ready System certification
• Servsafe Certification
• American Culinary Federation Certified Junior Culinarian certification
• The U.S. Department of Labor Occupational Safety and Health (OSHA) General Industry Safety and Health certification
Electricians install and maintain electrical systems that are essential for life in the 21st Century. As the sophistication of these systems has increased, so has the demand for skilled workers with the training and experience to design, install, troubleshoot, and repair these systems. The electricity program prepares students for electrical careers in residential, commercial, and industrial settings. Students begin with the basics of residential wiring and over their four years in the program acquire skills in more advanced electrical work including photovoltaic (solar) wiring, programmable logic controls, burglar and fire alarm wiring, and network wiring. Further education after high school, or entry right into the work force, are both viable options for our students after completion of the electricity program.
Curriculum Frameworks
The electricity program adheres to the Massachusetts Department of Elementary and Secondary Education, Career Vocational Technical Education curriculum frameworks which can be found at www.doe.mass.edu/cte/frameworks/

Career Opportunities
Upon completion of the electricity program students are prepared to undertake careers as residential and commercial electricians, telecommunications installer, and utility company workers. With additional education and experience electricity students can go on to become electrical engineers, electrical contractors, industrial electricians, fire alarm and security systems specialists, motor repair technicians, photovoltaic installers and technicians, HVAC technicians, telecommunications technicians and power line technicians.

Certification and Affiliations
Students completing the electricity program are eligible to receive the following certifications:

- SkillsUSA Work Force Ready System certification
- 300 Classroom hours and 1400 working hours towards the Massachusetts journeyman electrician license
information technology (IT) is one of the most rapidly growing fields in the United States today. As technology expands and develops at an exponential rate the need for highly qualified information technology specialists will continue to grow. The overall employment in the information technology field is expected to increase 12% between 2014 and 2024 which is significantly higher than the national average for all other occupations. Information technology students engage in an intense and thorough experience that encompasses every part of the information technology profession. This includes computer repair and maintenance, networking, programming, web-design, computer security, and resolving network issues for large corporations and businesses among many others. IT students also gain hands-on experience with the latest developments in hardware and software technologies including networks, and operating systems such as Microsoft Windows, Linux, Unix and new-generation web-based applications. Whether you go straight to college or enter directly into the workforce the information technology program is a great step towards a successful future.
**Curriculum Frameworks**
The information technology program adheres to the Massachusetts Department of Elementary and Secondary Education, Career Vocational Technical Education curriculum frameworks which can be found at [www.doe.mass.edu/cte/frameworks/](http://www.doe.mass.edu/cte/frameworks/)

**Career Opportunities**
Upon completion students are prepared to enter the careers of computer support specialist, network technician, computer programmer, web designer, technical communicator, and data base specialist. With additional education and experience students can continue as computer engineers, software engineers, computer scientists and systems analysts.

**Certification and Affiliations**
Students completing information technology program are eligible to receive the following certifications:

- SkillsUSA Work Force Ready System certification
- Computing Technology Industry Association (CompTIA) A+ and Net+ certifications

The IT program is affiliated with the following professional organizations:

- Cisco Networking Academy
- Computing Technology Industry Association
Machinists design and create precision parts and tools that are essential to an enormous number of industries ranging from aeronautics, plastics, shipbuilding, and engineering, among others. These parts and tools are manufactured through the use of lathes, drill presses, milling machines and grinders, many of which are Computer Numerically Controlled (CNC) machines. The machine technology program provides students the opportunity to learn all the skills demanded of the 21st century machinist. Students follow a course sequence that starts with the basics of manual machining and progresses to advanced multi-axis CNC programming, setup, and operation. Qualified and skilled machinists are presently in high demand and students completing our program are ready to immediately enter the workforce or continue their education in college.
Curriculum Frameworks
The machine technology program adheres to the Massachusetts Department of Elementary and Secondary Education, Career Vocational Technical Education curriculum frameworks which can be found at www.doe.mass.edu/cte/frameworks/

Career Opportunities
Students completing the machine technology program are ready to pursue a career as a precision machinist, machine tool salesperson, CNC operator, mold maker, prototype machinist, tool and die maker, CNC programmer, quality control technician or EDM operator. With additional education machine technology students can continue in careers such as plastics engineer, mechanical engineer, advance manufacturing engineer, and industrial engineering.

Certification and Affiliations
Students completing the machine technology program are eligible to receive the following certifications:

- SkillsUSA Work Force Ready System certification
- MACWIC Level I and II certificates
- Mastercam Associate Level Certification
- The U.S. Department of Labor Occupational Safety and Health (OSHA) General Industry Safety and Health certification
Students in the metal fabrication program alternate instruction between sheet metal fabrication and welding thereby developing a complete set of metal working skills. Students learn the theory in the classroom and apply those lessons in the shop. Sheet metal training includes layout, fabrication and installation of duct, fittings, and accessories associated with heating and ventilation systems. Instruction is given in the major welding processes of SMAW, GMAW, and GTAW. Cutting processes include oxy-acetylene, CNC plasma and hand held plasma as well as various mechanical cutting methods. Students are trained in the safe and proper use of welders, hydraulic press brake and shear, slip rolls, forming machines, and hand brakes. Our facility includes a full sheet metal shop and 15 individual welding stations, complete with direct capture exhaust. The metal fabrication department will help students develop the skills and work ethic needed to be successful whether they decide to enter the workforce after graduation or pursue further education.
Curriculum Frameworks
The metal fabrication program adheres to the Massachusetts Department of Elementary and Secondary Education, Career Vocational Technical Education curriculum frameworks which can be found at [www.doe.mass.edu/cte/frameworks/](http://www.doe.mass.edu/cte/frameworks/)

Career Opportunities
Upon graduation students completing the metal fabrication program are ready to pursue careers such as entry-level welders, sheet metal apprentices, fabricators, pipe-fitters, press brake operators and shipbuilders. With further education metal fabrication students can go on to careers as forepersons, project cost estimators, project managers, system designers, weld inspectors, mechanical engineers, welding engineers, vocational technical instructors, college instructors, and senior system designers.

McCann Technical School gave me the foundational knowledge to build a successful manufacturing and supply chain leadership career. It is a great advantage understanding the work being performed and having a personal relationship with those doing it.”

John Bishop
Vice President
Global Transitions - Sikorsky

Certification and Affiliations
Students completing the metal fabrication program are eligible to receive the following certifications:

- SkillsUSA Work Force Ready System certification

The metal fabrication program is affiliated with the following professional organizations:

- American Welding Society
- Massachusetts Baord of Examiners of Sheet Metal Workers
# Course Offerings

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## Graduation Requirements
Graduation requirements: Students must successfully complete all courses, earn 34 credits, and achieve a competency determination on mandated Massachusetts Comprehensive Assessment Test in order to receive a diploma.

## Career Technical Education (CTE) Enrichment Class
This program of studies as a continuation of the Massachusetts Career Vocational Technical Education (CVTE) vocational technical curriculum framework which were revised in 2014 and include six strands: Strand 1 Safety and Health, Strand 2 Technical, Strand 3 Embedded Academics, Strand 4 Employability and Career Readiness, Strand 5 Management and Entrepreneurship, and Strand 6 Technology. McCann students spend time during their shop week specifically covering Strand 4, 5, and 6 during this course. Freshman students are introduced to computer technology that will support them during their high school career and beyond. Career readiness is the focus of the sophomore year. Students prepare resumes, references, and participate in a mock interview with a member of the local business community. During their junior year students learn how to manage their money in a personal finance course. Finally, During their senior year, students cover business management due to the importance of all business owners and employees possessing management and financial skills to be productive members of society.

For further information go to [http://www.doe.mass.edu/cte/frameworks/](http://www.doe.mass.edu/cte/frameworks/)
**MATHEMATICS**

Our courses provide a rigorous and engaging curriculum that helps prepare students for success in college, in careers, and in daily life. Students explore and experience mathematics through a variety of activities and real-world applications that encourage the development of 21st century skills such as inquiry, analysis, communication, and collaboration. The sequence of mathematics course aligns with the model pathway provided in the Massachusetts Curriculum Framework for Mathematics which incorporates the Common Core State Standards for Mathematics. The course sequence concludes with an advanced course in either precalculus or quantitative reasoning. The Standards for Mathematical Practice from the Common Core are the integral component for each mathematics course and are intersected with the content standards from each discipline to develop a student that can be considered mathematically proficient. These include problem solving, adaptive reasoning, modeling, and strategically utilizing available tools, all of which translate to college and career readiness upon graduation.

**SCIENCE**

Our enthusiastic faculty delivers courses in several disciplines in order to meet the needs of all our students and their varied interests. Topics include biotechnology, environmental science, chemistry, nanotechnology, physics, forensics, and anatomy and physiology. Featuring newly renovated state-of-the-art lab facilities and equipment, students develop real-world laboratory skills necessary to participate in the 21st century workforce. Students explore these fields through exercises that include labs on bacterial transformations, ecological river study, DNA fingerprinting, dissections, electroplating, and roller coaster physics. McCann Technical School’s science graduation standards exceed Massachusetts DESE requirements ensuring that students are thoroughly prepared to either enter the workforce or go on to further education.

**SPANISH**

Students acquire a working knowledge of the language system as well as cultural conventions and norms of politeness. This enables them to perform communicative tasks in Spanish and to successfully transmit and receive meaningful messages. Links to academic areas are also developed through the use of hands-on projects, writing, reading, and public speaking. The Spanish curriculum is aligned with the Massachusetts curriculum frameworks and students who complete the Spanish program meet the foreign language requirements for college.
**ENGLISH LANGUAGE ARTS**

Communication and critical thinking skills are essential for success. Students develop these skills by analyzing both works of literature and informational texts which address the historical scope, cultural diversity, and real world applications for the specific theme assigned to each course year. Argument, informational/explanatory, and narrative writing are the key text types that students focus on to convey their knowledge as they work towards becoming a college and career ready writer. English courses connect literacy to larger social purposes and prepare students to be active participants in a multicultural, democratic society. The English curriculum is aligned with the Massachusetts Curriculum Framework for English Language Arts and Literacy, which incorporates the Common Core State Standards for English Language Arts. The College and Career Readiness Anchor Standards from the Common Core provide the foundation for English courses allowing students to demonstrate proficiency in reading, writing, language, speaking, and listening. These fundamental skills ensure that all McCann graduates are equipped with the knowledge and skills required for college, work, and the 21st century.

**HISTORY**

Our history department assists students in acquiring an understanding of their role as citizens. United States and world history courses connect events of the past with current world affairs which allows students to better comprehend the world in which they live. The history curriculum is in alignment with the Massachusetts History and Social Science Curriculum Framework, as well as the Common Core State Standards for English Language Arts and Literacy in History/Social Sciences. Using a variety of instructional methods including group discussions, reflective writings, interpretation of primary sources, projects, and viewing of historical documents, students develop a deep understanding of history and its importance in helping them grow into productive, participating citizens in a democratic society.

**HEALTH/PHYSICAL EDUCATION**

The physical education and health program provides each student with the opportunity to develop their physical fitness and learn how to live a healthy lifestyle. Physical education courses promote an appreciation of lifetime health and fitness. Recreational activities help to instill cooperation, self-discipline, and respect for others through competitive and non-competitive experiences. Health education courses encourage students to understand human development as it relates to the physical, emotional, and social well-being of the individual. This includes building an awareness of the dangers of substance abuse, sexually transmitted diseases, and bullying.
The Massachusetts Department of Elementary and Secondary Education mandates strict compliance with approved Career Vocational Technical Curriculum Frameworks for all vocational programs in the Commonwealth. These frameworks are divided into six strands: Strand 1 Safety and Health, Strand 2 Technical, Strand 3 Embedded Academics, Strand 4 Employability and Career Readiness, Strand 5 Management and Entrepreneurship, and Strand 6 Technology. Strands 1, 2 and 3 are taught within the curriculum for each of our technical majors. Strands 4, 5 and 6 are taught in a separate CTE enrichment course.

Freshman students are introduced to computer technology that will support them during their high school career and beyond. Career readiness is the focus of the sophomore year. Students prepare resumes, references, and participate in a mock interview with a member of the local business community. During their junior year students learn how to manage their money in a personal finance course. Finally, during their senior year, students cover business management due to the importance of all business owners and employees possessing management and financial skills to be productive members of society. For further information visit the DESE website, http://www.doe.mass.edu/cte/frameworks/

We continuously partner with business and industry including Adams Community Bank for personal finance and over 30 companies in our mock interview program to provide additional realism to these topics. Our vocational program advisory committees routinely participate in a variety of educational support activities. These business relationships are the cornerstone of our success.
McCann provides a personalized experience for each student. Academic and personal counseling, school to career guidance, college guidance, and a multitude of referral services are available. Our counselors are committed to helping students develop an individualized career plan defining a college and career pathway utilizing the Massachusetts ‘Your Plan for the Future’ model. School counselors teach transitions classes to all grade levels that provide students with personal and social skills, and strategies for success in high school. Our goal is to graduate well-rounded individuals that have the educational and social strategies needed for life-long success.

Approximately 70% of McCann students directly continue their education at the college, university, or postsecondary level immediately upon graduation. Our students benefit from articulated college credits and dual enrollment opportunities through the Massachusetts Statewide Articulation Agreements involving all public community colleges in the Commonwealth (details are available at https://www.masscc.org/articulation). We also have additional agreements with local colleges as well as articulated college credit through Project Lead the Way.

“I will always be indebted to McCann for providing a solid education which enabled me to attend college and law school. The curriculum was both exciting and challenging. Without the inspiration received from my education at McCann, I may not be who I am today and have my own law practice.”

Thomas W. Rumbolt, Esq.
Law Office of Thomas W. Rumbolt
North Adams, MA
High School Admissions
An admission process is necessary in vocational technical schools where space is a limiting factor. Vocational technical laboratories (shops) are designed and equipped to serve a specific maximum number of students safely. Consequently, a complex of such laboratories lacks both the space and flexibility to accommodate the possible needs and/or interests of all applicants. Therefore, a selection process is necessary to determine which applicants may most benefit from such educational opportunities. All applicants will be evaluated using the criteria contained in our complete admission policy.

Getting Started
- Students and parents complete the first two pages of our application.
- Submit the entire application to the student’s current guidance counselor.
- Your current guidance counselor will submit the completed application along with your current transcript to our admissions coordinator.
- Applications will be reviewed and scored according to the criteria listed in our complete admissions policy.
- Students will be either accepted, declined or put on a waiting list and will be notified in the spring.
- Applications received after the deadline will be evaluated using the same criteria as other applications and their composite score will be computed. They will be placed in rank order on a waiting list with other late applications.

Visit our website www.mccanntech.org

OPPORTUNITIES TO VISIT

Eighth Grade Tours
All eighth grade students within our district should have an opportunity to take a tour of McCann with their current middle school. If your student is unable to attend a tour with their school or for more information please contact our director of admissions, Michael Naughton, mnaughton@mccanntech.org or 413-663-5383, Ext.175 for individualized tours.

Showcase for Success
Each fall our students and faculty showcase their talents at our evening open house. All technical areas are open and both students and faculty are available to answer questions and give explanations of our programs. All vocational/technical shops and academic departments have exhibits available and we encourage all members of the community to visit.

Career Awareness Program
A Career Awareness Program takes place in January and eighth grade students are encouraged to participate. The program runs for three weeks, three afternoons per week, from 3:00 PM – 4:30 PM. All students will have an opportunity to experience each technical area with the guidance of instructors and current students. Transportation is provided from most area middle schools. Specific dates will be posted on our website (www.mccanntech.org) as well as on the updated Career Awareness Program application.
STUDENT LIFE

Student Organizations and Activities
- Book Club
- Bowling Club
- Business Professionals of America
- Cheerleading
- National Honor Society
- Running Club
- School Council
- Ski Club
- SkillsUSA
- Year Book

 Athletics

Fall Sports
- Boys Soccer
- Cross Country
- Football
- Girls Soccer
- Golf

Winter Sports
- Boys Basketball
- Girls Basketball
- Hockey Co-Op Wahconah
- Swimming Co-Op St. Joseph
- Wrestling Co-Op Mt. Greylock

Spring Sports
- Baseball
- Boys Lacrosse
- Girls Lacrosse Co-Op Wahconah
- Softball
Alumni

McCann Technical School graduates are involved in all businesses throughout the county, the state and the nation.

McCANN ALUMNI FACULTY
(row 1) Jocelyn Hescock (Surgical Technology ’03), Patrick Cariddi (Culinary Arts ’83), Richard Moon (Librarian, Machine Technology ’82), Terry LeClair (Medical Assisting ’75), Michelle Racette (Dental Assisting ’90), Glenn Andrews (Metal Fabrication ’87), Perry Burdick (Electronics ’82), Kristi Mastroianni (Cosmetology ’91), Richard Lincourt (Special Education, Machine Technology ’95), Donald Tatro (Electricity ’79), Melissa King-Tinker (Culinary Arts ’97), Rebecca Buck (Business Information Systems ’95)

(row 2) Richard Bergendahl (Electronics ’86), Josh Meczywor (Computer Assisted Drafting ’03), Robert Davis (Electricity ’73), Thomas Matuszak (Machine Technology ’81), Thomas Tinney (Drafting ’84), Scott Botto (Machine Technology ’81), Gary Wood (Machine Technology ’74), John Kline (Metal Fabrication ’84), Pamela Dorwin (Business Data Processing ’80), Susan LeClair (Business Information Systems ’97)

(row 3) Ronald Pierce (Electricity ’85), Chad O’Neill (Counselor, Electronics ’95), Patrick Ryan (Carpentry ’95)

Absent from the photograph – Michael McCarron (Automotive ’77) who was deployed to Afghanistan with the United States Army Reserve.