

ENGINEERING

The Engineering and Technology Manufacturing programs are committed to using the motivational effects of robotics to excite students about Science and Technology. This pathway provides students with an introduction to Manufacturing Technology and its relationship with society, individuals, and the environment. Upon completion of the pathway, students will be able to apply their knowledge of computer aided design, computer numerical control, robotics, computer assisted manufacturing, programmable logic controllers, automated guided vehicles, and computer integrated manufacturing.

HEALTHCARE SCIENCE

Students pursuing a career in the Healthcare Industry will receive initial exposure to healthcare science skills and attitudes applicable to healthcare including the concepts of health, wellness, and preventive care.

CERTIFICATION OPTIONS: *First Aid; CPR; CNA (Certified Nursing Assistant)*

HEALTHCARE ALLIED MEDICINE

Students interested Healthcare Medical will receive initial exposure to the fundamental principles, practices, and essential skills used in a therapeutic medicine clinic. This pathway includes both classroom instruction and hands-on laboratory experiences in the development of skills required in therapeutic medicine.

Areas of study include career planning, legal and professional ethics, medical terminology, documentation, communication skills, human relations, medical asepsis/infection control, vital signs, cardiopulmonary resuscitation, and first aid.

CERTIFICATION OPTIONS: *First Aid; CPR; MOA (Medical Office Assistant)*

HEALTHCARE SCIENCE SPORTS MEDICINE

The course is appropriate for students who wish to pursue a career in healthcare with a focus on the musculoskeletal system, injury assessment, injury prevention, or rehabilitation including careers in Sports Medicine and Rehabilitative Services. The course will enable students to receive initial exposure to therapeutic services skills and attitudes applicable to the healthcare industry. Fundamental healthcare skills development is initiated, including medical terminology, kinesiology, patient assessment, record keeping, and basic life support.

LAW & JUSTICE

The pathway includes, but is not limited to, introduction to the criminal justice system, police ethics and constitutional law, patrol procedures, traffic control procedures, defensive tactics and physical proficiency skills, interpersonal and communication skills, investigation procedures, court systems and trial procedures, correctional system, introduction to forensic science, crime prevention, property control, and employability skills.

CERTIFICATION OPTIONS: *CPR; CERT (Community Emergency Response Training)*

TEACHING AS A PROFESSION

The pathway includes broad introductory coverage of teaching as a profession, public school organization, planning & delivery of instruction, creation and maintenance of the learning environment, standards, teaching and learning in multicultural settings, mainstream education of students with exceptionalities, "at risk" students, family and community partnerships, school law and educational philosophies.



Career, Technical &
Agricultural Education
CTAE



PROGRAM DESCRIPTION BROCHURE FY 2021-22

Dr. Vikki Williams, Principal
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Mr. Harold Washington, Assistant Principal

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Preparing our students for the Future

AUDIO/VIDEO TECHNOLOGY & FILM

The Broadcast Video pathway offers opportunities to learn studio and field production for videography and television. Through actively engaging experience, students will utilize cutting edge digital equipment with the opportunity to edit in linear and nonlinear suites. Students will apply theoretical concepts through planning, designing, capturing, editing and post-producing programs in the studio and the field. SkillsUSA, the Georgia Scholastic Press Association and Student Television Network are examples of, but not limited to, appropriate organizations for providing leadership training and/or for reinforcing specific career and technical skills.

COSMETOLOGY

The pathway introduces the Cosmetology profession. Instruction is provided on the various methods of health and safety used in the Cosmetology industry. It introduces various types of scalp treatments, hair and scalp structures, and hair disorders. Instruction is provided on the laws, rules and regulations and how they govern the Cosmetology industry. There is emphasis on the importance of salon management and the knowledge and skills necessary to build a successful business.

CERTIFICATION OPTIONS FOR COSMETOLOGY: *Up to 450 Licensure Hours upon successful completion of pathway (1500 hours required for Georgia licensure)*

AUTOMOTIVE SERVICES

The Automotive Service pathway includes classroom instruction and laboratory performance of the basic tasks included in the initial training required for employment in the automotive service field as identified by the National Automotive Technicians Education Foundation (NATEF). The courses include the development of basic technical skills required in steering and suspension, electrical and electronics, brakes, and engine performance.

CERTIFICATION OPTIONS: *1 year of experience toward NATEF certification; Auto Service Excellence (ASE)*

BARBERING

The pathway introduces the Barber profession providing instruction on the various methods of health and safety used in the Barbering industry. The pathway introduces various types of scalp treatments, hair and scalp structures, and hair disorders, training is provided in a lab or classroom setting. Instruction is provided on the laws, rules and regulations and how they govern the Barber industry. There is emphasis on the importance of salon management and the knowledge and skills necessary to build a successful business.

CERTIFICATION OPTIONS FOR BARBERING: *Up to 450 Licensure Hours upon successful completion of pathway (1500 hours required for Georgia licensure)*

INFORMATION TECHNOLOGY (CYBERSECURITY)

The program focuses on students' understanding of the software and application development process, such as planning, analysis, design, implementation, testing, publishing, and maintenance. Students will be able to use Technology and Computer Science elements, principles and theories to solve problems. The program is part of the Web Development, Programming, and Computer Science Pathways.

CERTIFICATION OPTIONS: *Microsoft Technology Associate (MTA), Application Development Fundamentals; National Occupational Competency Testing Institute (NOCTI) & Computer Programming.*

WORK-BASED LEARNING (WBL)

Work-Based Learning is a program within the Career, Technical and Agricultural Education (CTAE) Department that provides students with the opportunity to learn a variety of skills by expanding the classroom into the community and narrowing the gap between theory and practice through rigorous academic preparation with real-life career development experiences.

Through WBL experiences, students are afforded the opportunity to connect classroom instruction to the world of work and future career opportunities.



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