



STEM ACADEMY

PATHWAYS

PROGRAMMING & SOFTWARE DEVELOPMENT

CAREERS
Software Quality Assurance Engineer, Computer Programmer, Software Developer, App Developer

COMPUTER NETWORKING & SYSTEMS

CAREERS
Network Administrator, Programmer, Analyst, Engineer

ENGINEERING

CAREERS
Civil, Electrical, Mechanical & Structural Engineers

AVIATION

CAREERS
Pilot, Aircraft Mechanic, Air Traffic Controller

MEDICAL

CAREERS
Doctor, Radiologist, Pharmacist, Chiropractor, Surgeon

NURSING / ALLIED HEALTH

CAREERS
Nurse, Nurse Assistant, Nurse Tech, Nurse Practitioner, Certified Medical Technician, Sonographer, Radiation Tech, Pharmacy Tech

ATHLETIC TRAINING / PHYSICAL THERAPY

CAREERS
Athletic Trainer & Assistant, Sports Medicine & Assistant, Physical Therapist & Assistant, Occupational Therapist & Assistant, Recreational Therapist & Assistant

VETERINARY

CAREERS
Veterinarian, Vet Tech

GRADE 9

EXPLORATION

COMPUTER SCIENCE ESSENTIALS
1 CREDIT

INTRODUCTION TO ENGINEERING DESIGN
1 CREDIT

PRINCIPLES OF BIOMEDICAL SCIENCE
1 CREDIT

INTRO TO HEALTH SERVICES .5 CREDIT

GRADE 10

PREPARATION

COMPUTER SCIENCE PRINCIPLES
1 CREDIT

CIVIL ENGINEERING & ARCHITECTURE OR AEROSPACE ENGINEERING
1 CREDIT EACH

AEROSPACE ENGINEERING
1 CREDIT EACH

HUMAN BODY SYSTEMS
1 CREDIT

GRADE 11

IMMERSION

COMPUTER SCIENCE APPLICATIONS
1 CREDIT

INFORMATION TECHNOLOGY ESSENTIALS AND/OR NETWORK SECURITY
2 CREDITS EACH

COMPUTER INTEGRATED MANUFACTURING AND/OR DIGITAL ELECTRONICS AND PRINCIPLES OF ENGINEERING
1 CREDIT EACH

UNMANNED FLIGHT SAFETY & OPERATION
2 CREDITS AND/OR AVIATION @STA
4 CREDITS

MEDICAL INTERVENTIONS
1 CREDIT

FOUNDATIONS OF NURSING I @HCC OR PROFESSIONAL NURSING @STA
4 CREDITS

ALLIED HEALTH @STA
4 CREDITS OR MEDICAL INTERVENTIONS
1 CREDIT

BIOMECHANICS OF SPORTS
1 CREDIT AND MEDICAL INTERVENTIONS
1 CREDIT

VET COURSES @MCC ONLINE
1 CREDIT AND MEDICAL INTERVENTIONS
1 CREDIT

STUDENT TECH TEAM
1 CREDIT

UNMANNED FLIGHT & SAFETY OPERATION
2 CREDITS

MEDICAL TERMINOLOGY .5 CREDIT

ZOOLOGY
1 CREDIT

GRADE 12

APPLICATION

ENGINEERING DESIGN & DEVELOPMENT (EDD)
2 CREDITS

CISCO CCNA
4 CREDITS

ENGINEERING DESIGN & DEVELOPMENT (EDD)
2 CREDITS

UNMANNED FLIGHT SAFETY & OPERATION
2 CREDITS AND/OR AVIATION @STA AND/OR AVIATION INSTITUTE OF MAINTENANCE
4 CREDITS EACH

BIOMEDICAL INNOVATIONS
1 CREDIT

FOUNDATIONS OF NURSING II @HCC OR PROFESSIONAL NURSING @STA
4 CREDITS

ALLIED HEALTH @STA
4 CREDITS OR MEDICAL INTERVENTIONS
1 CREDIT

INTRO TO PHYSICAL THERAPY AND SPORTS MEDICINE @HCC
4 CREDITS

VET COURSES @MCC ONLINE AND BIOMEDICAL INNOVATIONS
1 CREDIT EACH

INTERNSHIP IN STEM CAREERS - ORACLE SCHOLARS
2 CREDITS

VET CAPSTONE
1-2 CREDITS

PLTW EOC*

A+, NETWORK+, CCST

PLTW EOC*

FAA PART 107

PLTW EOC* BIOSCIENCE CORE SKILLS INSTITUTE (BCSI)

CERTIFIED NURSE AIDE

PLTW EOC* OSHA 10 FOR HEALTHCARE, BASIC LIFE SUPPORT, AMERICAN HEART ASSOCIATION HEARTCODE BLS

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VETERINARY ASSISTANT CERTIFICATION

Courses with a bold outline indicate dual credit opportunities.

Note: Most colleges require that students take a minimum of two courses in a foreign language.

*PLTW students can receive college credit based on the obtainment of an adequate score on the EOC and their grade in the class. College participation may vary.

2025-2026