



EMS / Pre-Paramedic Pathway

Grades 9-12 and Postsecondary Continuation

Pathway Overview

BridgePoint's EMS / Pre-Paramedic Pathway builds from a common health-science foundation into emergency response credentials, college EMT coursework, work-based learning, and preparation for postsecondary paramedic education. Students develop academic knowledge, technical skills, professional judgment, and progressively greater exposure to emergency-care settings.

All students complete the common Grade 9-10 academic and Health Science/CTE foundation. Students who select the EMS pathway then advance through Wilderness First Responder (WFR), college EMT coursework when eligible, structured work-based learning, and individualized opportunities for early paramedic coursework.

How to Read the Program of Study

The grade-level tables show the major academic, pathway, and work-based learning components students can expect each year. They are not a bell schedule. Individual schedules may vary based on prior coursework, readiness, college course availability, age, and approved work-based learning opportunities.

Phase I: Common Foundation - Grade 9 (2027-28)

Course / Experience	Schedule	Credit / Requirement
Integrated Humanities: English & Social Studies	75 minutes, M-Th	1.5 HS: 0.5 English + 1.0 Social Studies
Mathematics: Algebra I or Geometry	Blended math block, M-Th	1.0 HS math
Biology	Full year, M-Th	1.0 HS science
Academic Lab	M-Th	Academic support
Pathway to Purpose	Friday	1.0 HS credit

Grade 9 Health Science/CTE Rotation

Semester	Monday / Wednesday	Tuesday / Thursday
1	Introduction to Dentistry	Patient Care / CNA Preparation & CPR
2	Introduction to Behavioral Health	Substance Abuse & Community Impact

Each course earns 0.25 HS CTE credit; Grade 9 total: 1.0 HS CTE credit.

Summer 2028 - Before Grade 10

Course	Format	Credit
Introduction to Anatomy & Physiology	Required summer intensive	0.5 HS science

Grade 10 (2028-29)

Course / Experience	Schedule	Credit / Requirement
Integrated Humanities: English & Social Studies	75 minutes, M-Th	1.5 HS: 0.5 English + 1.0 Social Studies
Mathematics: Geometry or Algebra II	Blended math block, M-Th	1.0 HS math
Advanced Anatomy, Physiology & Health Science	Full year, M-Th	1.0 HS science
Academic Lab	M-Th	Academic support
Pathway to Purpose	Friday	1.0 HS credit
Grade 10 Readiness Panel	End of year	Readiness for college/pathway advancement

Advanced Anatomy, Physiology & Health Science includes applied chemistry and biochemistry concepts used in healthcare, including pH, electrolytes, solutions, respiration and gases, metabolism, and healthcare calculations.

Grade 10 Health Science/CTE Rotation

Semester	Monday / Wednesday	Tuesday / Thursday
1	Emergency Medical Responder (EMR)	Mental Health & Crisis Intervention
2	Foundations of Nutrition & Wellness	Introduction to Fire Science

Each course earns 0.25 HS CTE credit; Grade 10 total: 1.0 HS CTE credit. The EMR course is designed to lead to an Emergency Medical Responder credential upon successful completion of required training and certification assessments. Introduction to Fire Science provides all students exposure to fire behavior, wildfire and public health, incident command, PPE, safety, teamwork, and emergency-service careers.

Blended Mathematics Model

BridgePoint provides two mathematics levels in each grade: Algebra I or Geometry in Grade 9, and Geometry or Algebra II in Grade 10. Each math block combines teacher-directed instruction, guided and applied practice, and structured online learning. Placement is based on prior coursework and demonstrated proficiency. Students are not required to repeat mathematics coursework they have already successfully completed.

Summer 2029 - Before Grade 11

Course	Provider / Format	Credit
Introduction to Medical Terminology	College summer intensive	0.5 college credit

Phase II: EMS Pathway - Grades 11-12

In Grades 11 and 12, students move from the common foundation into EMS-specific certification, field readiness, college coursework, and progressively deeper work-based learning.

Grade 11 - EMS Readiness and Work-Based Learning

Course / Experience	Schedule	Credit / Requirement
English / Humanities or College English	BridgePoint or college block	HS or college credit, based on placement
Mathematics / College Mathematics	BridgePoint or college block	Appropriate level based on readiness
Pathway-Specific Science	BridgePoint or college block	HS or college science credit
Wilderness First Responder (WFR)	One semester; approximately 40 training hours	Certification upon successful completion of provider requirements
Foundations of Emergency Medical Services	CTE block	HS CTE credit
College English / General Psychology / Human Biology	As eligible and available	College credit by course
Work-Based Learning	Approximately 4 hours/week; target 150 hours	Counts toward 400-hour graduation requirement
Pathway to Purpose	Friday	1.0 HS credit

Grade 11 work-based learning may include WFR practical and scenario hours, supervised shadowing, acting as a patient for college practicums, simulations, community emergency-preparedness experiences, approved healthcare placements, and other structured experiences connected to EMS competencies.

Grade 12 - EMT, Work-Based Learning, and Individualized Advancement

Course / Experience	Provider / Schedule	Credit / Requirement
Senior Capstone - EMS Focus	BridgePoint	1.0 HS English
Mathematics / College Mathematics	BridgePoint or college block	As appropriate for graduation/pathway
Pathway-Specific Science / College Science	BridgePoint or college block	As appropriate for graduation/pathway
CMU Tech EMT coursework: EMTS 121, 122, 123 & 124	Scheduled within CTE/college block	11 potential college credits
Work-Based Learning	Approximately 8 hours/week; target 250 hours	Counts toward 400-hour graduation requirement
Pathway to Purpose	Friday	1.0 HS credit
Paid Healthcare Employment	Completed during an approved portion of Grades 9-12	Required; hours count toward the 400-hour WBL total

BridgePoint plans around the academic EMT courses shown below. Any clinical component is arranged and approved by CMU Tech and is not presented as a guaranteed part of the BridgePoint schedule.

CMU Tech EMT-Basic Academic Coursework

Course	Title	College Credits
EMTS 121	EMT Fundamentals	3
EMTS 122	EMT Medical Emergencies	4
EMTS 123	EMT Trauma Emergencies	2
EMTS 124	EMT Special Considerations	2
	Planned academic-course total	11

These are CMU Tech college courses. BridgePoint does not represent its high-school EMS instruction as a substitute for these courses. Clinical participation, if available, remains under CMU Tech requirements and approval.

Work-Based Learning Graduation Requirement

EMS pathway students complete a minimum of 400 hours of approved work-based learning before graduation. The pathway is designed around approximately 150 hours in Grade 11 and 250 hours in Grade 12. The required paid healthcare employment experience is included within, not added on top of, the 400-hour total.

Experience Type	Examples	How It Counts
Career exploration	Job shadowing, EMS/fire/public-safety observation, career interviews	Approved documented hours
Skill and simulation experiences	WFR scenarios, EMS simulations, emergency-preparedness exercises	Approved instructional/WBL hours
Higher-education practicum support	Serving as a patient for college skills labs or practicums; supervised training support	Approved documented hours
Field exposure when available	Ride-alongs, hospital or ambulance observation when approved by the host/provider	Approved documented hours
Paid healthcare employment	Approved healthcare position completed during the four-year diploma program	Required employment; hours included in 400-hour total
Community-based experiences	Public health, safety, preparedness, service, and other approved pathway experiences	Approved documented hours

Work-based learning is intentionally broader than clinical placement. This allows students to build professional readiness and meaningful exposure even when age, maturity, site capacity, or the nature of traumatic emergency settings limits access to traditional practicums.

Potential Senior-Year Early Paramedic Coursework

Students who complete EMT requirements, meet age and admission requirements, demonstrate readiness, and receive CMU Tech approval may be able to begin selected paramedic coursework during Grade 12. A potential 16 credits could be distributed across the fall and spring semesters.

Potential CMU Tech Course Pair	College Credits	Senior-Year Timing
EMTS 225 / 225L - Fundamentals of Paramedic Practice	5	Fall or spring
EMTS 229 / 229L - Paramedic Pharmacology	5	Fall or spring
EMTS 231 / 231L - Paramedic Cardiology	6	Fall or spring

Early paramedic coursework is an individualized opportunity rather than a guaranteed sequence. Participation depends on EMT certification, age, college admission, prerequisite completion, clinical readiness, scheduling, and CMU Tech approval.

College Course Eligibility and Program Admission

The courses listed, including those shown in the college foundation graphic, are potential opportunities, not guaranteed offerings. Enrollment depends on readiness, prerequisites, college eligibility, course availability, and institutional approval. Some courses may require formal acceptance into the intended postsecondary degree or certificate program before a student can enroll. Admission to a college does not necessarily mean admission to a specific healthcare program. BridgePoint will help students and families identify appropriate options; course codes and requirements must be verified with the college.

Student Routes Through Grade 12

Student Readiness	Grade 12 Pathway	Next Step
Eligible for early paramedic coursework	Complete EMT requirements and approved beginning paramedic coursework while continuing WBL	Continue remaining paramedic program after graduation
EMT-ready but not yet eligible for paramedic entry	Complete EMT coursework, college/general education, WBL, capstone, and employment	Enter paramedic program when eligibility requirements are met
Clinical or certification timing requires additional preparation	Continue EMT preparation, simulation, WBL, college/general education, capstone, and employment	Complete remaining clinical/certification requirements and enter paramedic program when eligible

Phase III: Postsecondary Paramedic Continuation

After BridgePoint graduation, students may continue into CMU Tech paramedic education. The pathway is designed so that students arrive with emergency-response credentials, college coursework where eligible, substantial work-based learning, paid healthcare employment, and progressively developed clinical readiness.

Common Academic and Career Progression

Area	Grades 9-10	Grades 11-12
English / Social Studies	Integrated Humanities each year	College English where eligible + senior capstone
Mathematics	Grade 9: Algebra I / Geometry; Grade 10: Geometry / Algebra II	College mathematics / individualized advancement
Science	Biology; summer Intro A&P; Advanced A&P; & Health Science	Pathway-specific college science
Health Science	Eight rotating CTE courses; EMR; summer Medical Terminology	WFR, Foundations of EMS, CMU Tech EMT coursework / potential paramedic coursework
Career Development	Pathway to Purpose	Pathway to Purpose + 400 total WBL hours, including required paid healthcare employment

The Student Journey

GRADES 9-10: Common academics + eight rotating Health Science/CTE courses + summer health-science preparation + EMR credential. **GRADE 11:** WFR + Foundations of Emergency Medical Services + college coursework as eligible + approximately 150 WBL hours. **GRADE 12:** CMU Tech EMT coursework + individualized clinical experiences + approximately 250 WBL hours + required paid healthcare employment + senior capstone + possible early paramedic coursework. **GRADUATION:** Minimum 400 total WBL hours, including the employment requirement, plus pathway credentials and college credit earned based on eligibility. **POSTSECONDARY:** Continued paramedic education, certification, and professional practice.