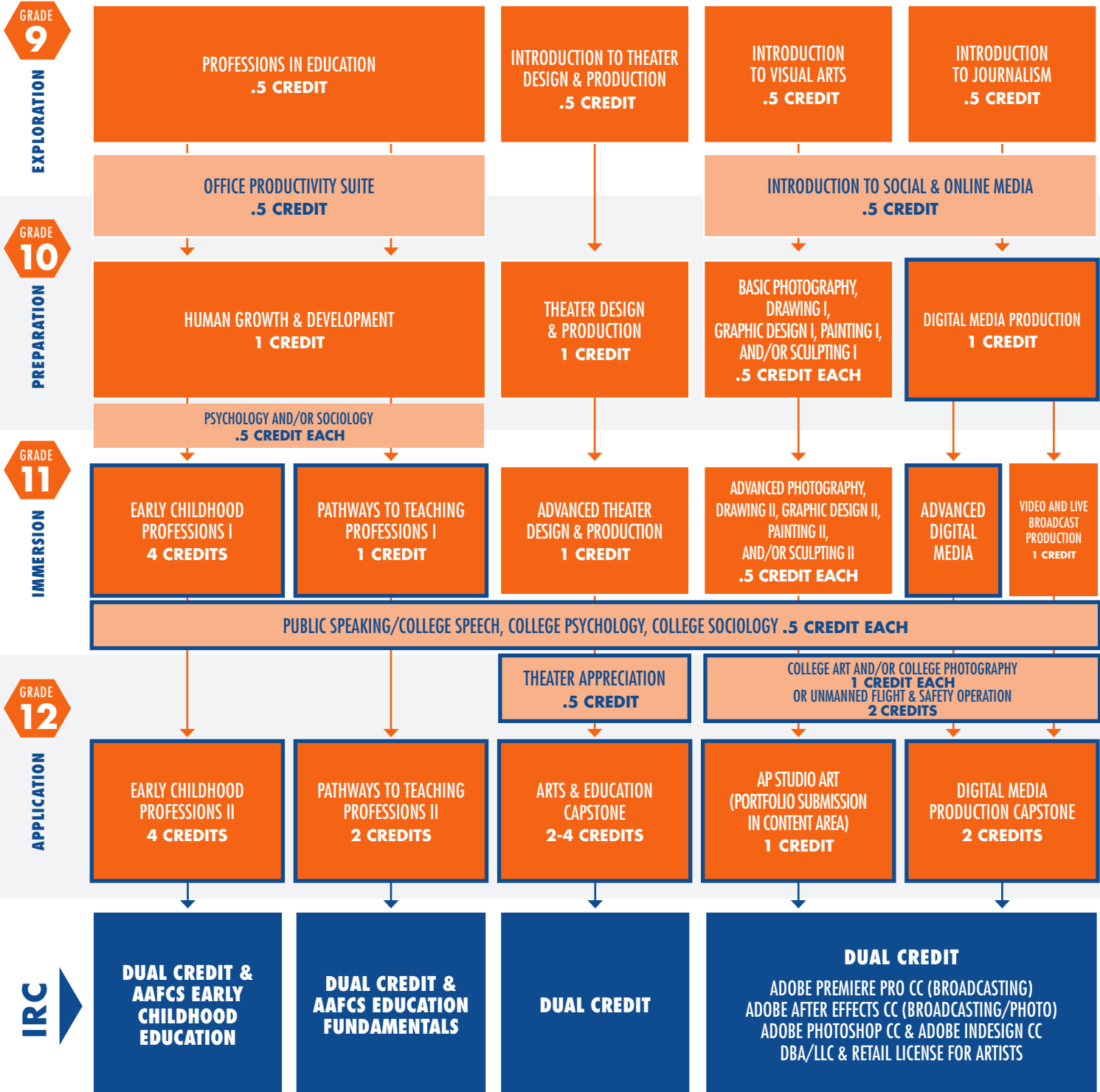




ARTS & EDUCATION ACADEMY

PATHWAYS



Based upon workforce development data and college entrance requirements, it is strongly recommended that students participating in these pathways take a minimum of two courses in a foreign language. **Courses with a bold outline indicate dual credit opportunities.**



BUSINESS ACADEMY

PATHWAYS

ACCOUNTING & FINANCE <u>CAREERS</u> Accountant, Auditor, Financial Advisor, Treasurer, Banker, Budget Analyst	MARKETING & BUSINESS MANAGEMENT <u>CAREERS</u> Advertising Manager, Sales Director, Market Research Director, Small Business Owner	DESIGN & ARCHITECTURE <u>CAREERS</u> Interior Designer, Visual Merchandiser, Architect, Architectural Designer	CULINARY <u>CAREERS</u> Chef, Restaurant Manager, Wholesale Food Manager	COSMETOLOGY <u>CAREERS</u> Hairstylist, Barber, Hair Color Specialist, Manicurist, Salon Owner, Makeup Artist	DATA ANALYTICS <u>CAREERS</u> Business Intelligence Analyst, Data Analyst, Cyber Security, Marketing Analyst, IT Systems Analyst
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GRADE 9

EXPLORATION

INTRODUCTION TO BUSINESS .5 CREDIT	INTRODUCTION TO VISUAL ARTS & INTERIOR DESIGN .5 CREDIT EACH	INTRODUCTION TO HOSPITALITY & CULINARY .5 CREDIT	INTRODUCTION TO VISUAL ARTS & INTRODUCTION TO BUSINESS & MANAGEMENT .5 CREDIT EACH	INTRODUCTION TO BUSINESS & MICROSOFT OFFICE .5 CREDIT EACH
OFFICE PRODUCTIVITY SUITE .5 CREDIT				

GRADE 10

PREPARATION

ACCOUNTING I AND/OR YOUTH ENTREPRENEURS 1 CREDIT EACH	MARKETING AND/OR YOUTH ENTREPRENEURS 1 CREDIT EACH	ARCHITECTURAL DRAFTING 1 CREDIT	CULINARY ESSENTIALS 1 CREDIT	MARKETING AND/OR YOUTH ENTREPRENEURS 1 CREDIT EACH	COMPUTER SCIENCE ESSENTIALS 1 CREDIT
BUSINESS LAW .5 CREDIT					

GRADE 11

IMMERSION

ACCOUNTING II AND/OR YOUTH ENTREPRENEURS 1 CREDIT EACH BUSINESS FINANCE @ BANK 2-4 CREDITS	MARKETING AND/OR YOUTH ENTREPRENEURS 1 CREDIT EACH DIGITAL MARKETING CAPSTONE @ IA&T OR ENTREPRENEURSHIP CAPSTONE @ ATI 2-4 CREDITS	ADVANCED INTERIOR DESIGN 1 CREDIT	CULINARY I 4 CREDITS OR INTERNATIONAL FOODS 1 CREDIT	ADDITIONAL ART & BUSINESS COURSES OR NAIL TECHNICIAN @ BSSD 4 CREDITS	COMPUTER SCIENCE PRINCIPLES & MICROSOFT EXCEL 1 CREDIT EACH
GRAPHIC DESIGN I, GRAPHIC DESIGN II AND/OR SPORTS & ENTERTAINMENT MARKETING .5 CREDIT EACH					
PUBLIC SPEAKING/COLLEGE SPEECH .5 CREDIT					

GRADE 12

APPLICATION

UNMANNED FLIGHT & SAFETY OPERATION 2 CREDITS					
BUSINESS FINANCE @ BANK 2-4 CREDITS	DIGITAL MARKETING CAPSTONE @ IA&T OR ENTREPRENEURSHIP CAPSTONE @ ATI 2-4 CREDITS	DESIGN CAPSTONE 2 CREDITS	CULINARY II 4 CREDITS OR INTERNATIONAL FOODS 1 CREDIT	COSMETOLOGY @ HCC 8 CREDITS OR NAIL TECHNICIAN @ BSSD 4 CREDITS	AP STATISTICS & DATA ANALYTICS 1 CREDIT EACH

IRC

TSA IN ACCOUNTING THROUGH NOCTI OR BANKING CREDENTIAL (BIA)	IRC: FUNDAMENTALS OF BUSINESS CONCEPTS (A.S.K.) & TSA: ENTREPRENEURSHIP MANAGEMENT	IRC'S IN AUTODESK: REVIT & INTERIOR DESIGN FUNDAMENTALS: AAFCS	IRC THROUGH AHLEI OR IRC THROUGH PROSTART & SERVSAFE	STATE BOARD EXAM CERTIFICATE	MICROSOFT OFFICE EXCEL CREDENTIAL
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Based upon workforce development data and college entrance requirements, it is strongly recommended that students participating in these pathways take a minimum of two courses in a foreign language. **Courses with a bold outline indicate dual credit opportunities.**



INDUSTRIAL TECHNOLOGY ACADEMY

PATHWAYS

CONSTRUCTION

CAREERS
Carpenter, Estimator,
Project Planner,
Plumber, Electrician,
HVAC Technician

DRAFTING & ENGINEERING TECHNOLOGY

CAREERS
Drafter, Designer,
Engineering
Technician

WELDING

CAREERS
Welder, Pipe-fitter,
Welding Inspector,
Welding Technician

COMPUTER INTEGRATED MACHINING & MANUFACTURING

CAREERS
Machinist, Tool & Die
Maker, CNC Operator,
Quality Engineer,
Machine Operator

AUTOMOTIVE

CAREERS
Mechanic, Collision
Repair Specialist,
Diesel Mechanic,
Small Engine Repair

MANUFACTURING

CAREERS
Machinist, Tool & Die
Maker, CNC Operator,
Quality Engineer,
Machine Operator

INDUSTRIAL TECHNOLOGY

CAREERS
Building Engineer,
HVAC Technician,
Automated
Manufacturing
Repair Technician

GRADE 9

EXPLORATION

FOUNDATIONS OF WOOD
1 CREDIT

MECHANICAL DRAFTING
1 CREDIT

GENERAL METALS
1 CREDIT

GENERAL METALS
1 CREDIT

GRADE 10

PREPARATION

ADVANCED WOODS
1 CREDIT

MECHANICAL DRAFTING
OR
ARCHITECTURAL DRAFTING
1 CREDIT

ADVANCED METALS
2 CREDITS
OR CIM
1 CREDIT

ADVANCED METALS
2 CREDITS

GRADE 11

IMMERSION

CONSTRUCTION TRADES I
4 CREDITS

MACHINE DRAFTING
1 CREDIT
OR ENGINEERING
TECHNOLOGY @
MCC-BTC
4 CREDITS

INDUSTRIAL WELDING I
@ HCC
4 CREDITS

COMPUTER INTEGRATED
MACHINING &
MANUFACTURING I
@ MCC-BTC
4 CREDITS

AUTOMOTIVE TECHNOLOGY I
OR AUTOMOTIVE
COLLISION I
OR DIESEL
MECHANICS I
@ HCC
4 CREDITS

MACHINE TECHNOLOGY I
4 CREDITS

INDUSTRIAL ENGINEERING I
@ HCC
4 CREDITS

UNMANNED FLIGHT & SAFETY OPERATION
2 CREDITS

UNMANNED FLIGHT & SAFETY OPERATION
2 CREDITS

GRADE 12

APPLICATION

CONSTRUCTION TRADES II
4 CREDITS

ENGINEERING GRAPHICS
1 CREDIT
OR ENGINEERING
TECHNOLOGY @
MCC-BTC
4 CREDITS

INDUSTRIAL WELDING II
@ HCC
4 CREDITS

COMPUTER INTEGRATED
MACHINING &
MANUFACTURING II
@ MCC-BTC
4 CREDITS

AUTOMOTIVE TECHNOLOGY II
OR AUTOMOTIVE
COLLISION II
OR DIESEL
MECHANICS II
@ HCC
4 CREDITS

MACHINE TECHNOLOGY II
4 CREDITS

INDUSTRIAL ENGINEERING II
@ HCC
4 CREDITS

IRC

CARPENTER'S UNION IRC

IRC IN AUTODESK & ADAA OR DUAL CREDIT @ MCC-BTC

AWS IRC

DUAL CREDIT @ MCC-BTC

IRC IN ICAR OR ASE

DUAL CREDIT-MCC NIMS IRC

EPA SECTION 608 UNIVERSAL CERTIFICATION

Based upon workforce development data and college entrance requirements, it is strongly recommended that students participating in these pathways take a minimum of two courses in a foreign language. Courses with a bold outline indicate dual credit opportunities.



PUBLIC SERVICE ACADEMY

PATHWAYS

SOCIAL SERVICES <i>CAREERS</i> Psychologist, Counselor, Social Worker, Rehabilitation Specialist	LEADERSHIP (JROTC) <i>CAREERS</i> Army, Air Force, Marines, Navy, Coast Guard, National Guard	PUBLIC SAFETY <i>CAREERS</i> Police Officer, Detective, Corrections Officer, Highway Patrol, Firefighter, EMT	INTERNATIONAL STUDIES <i>CAREERS</i> Ambassador, Interpreter/Translator, Immigration Official, Consultant	POLITICAL SCIENCE <i>CAREERS</i> Government, Elected Official, City/County Planner, Research/Policy Analyst, Attorney, Lobbyist	PRE-LAW <i>CAREERS</i> Attorney, Judge, Paralegal
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GRADE 9

EXPLORATION

INTRODUCTION TO PUBLIC SERVICE .5 CREDIT	JROTC LEADERSHIP DEVELOPMENT I 1 CREDIT	INTRODUCTION TO PUBLIC SERVICE .5 CREDIT	INTRODUCTION TO PUBLIC SERVICE .5 CREDIT FOREIGN LANGUAGE I 1 CREDIT	INTRODUCTION TO PUBLIC SERVICE .5 CREDIT	COMPETITIVE DEBATE 1 CREDIT
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GRADE 10

PREPARATION

OFFICE PRODUCTIVITY SUITE .5 CREDIT	JROTC HEALTH & WELLNESS .5 CREDIT	OFFICE PRODUCTIVITY SUITE .5 CREDIT			
HUMAN GROWTH & DEVELOPMENT 1 CREDIT	JROTC LEADERSHIP DEVELOPMENT II 1 CREDIT	PUBLIC SAFETY .5 CREDIT	INTRO TO BUSINESS MANAGEMENT .5 CREDIT FOREIGN LANGUAGE II 1 CREDIT	LEGAL COMMUNICATION 1 CREDIT	ADVANCED COMPETITIVE DEBATE 1 CREDIT
CONTEMPORARY ISSUES, BUSINESS LAW AND/OR PUBLIC LAW .5 CREDIT EACH					

GRADE 11

IMMERSION

PSYCHOLOGY & SOCIOLOGY .5 CREDIT	JROTC LEADERSHIP DEVELOPMENT III 1 CREDIT	POLICE SCIENCE I @ HCC 4 CREDITS OR EMERGENCY MANAGEMENT 2 CREDITS	FOREIGN LANGUAGE III 1 CREDIT	LEGAL COMMUNICATION II 1 CREDIT	ADVANCED COMPETITIVE DEBATE 1 CREDIT
PUBLIC SPEAKING/COLLEGE SPEECH .5 CREDIT		PUBLIC SPEAKING/COLLEGE SPEECH, COLLEGE PSYCHOLOGY, COLLEGE SOCIOLOGY, INTRO TO CRIMINAL JUSTICE AND/OR INTRO TO JUVENILE JUSTICE .5 CREDIT EACH			

GRADE 12

APPLICATION

	JROTC LEADERSHIP EDUCATION & TRAINING 1 CREDIT	UNMANNED FLIGHT & SAFETY OPERATION 2 CREDITS			
SOCIAL SERVICES CAPSTONE 2 CREDITS	JROTC LEADERSHIP DEVELOPMENT IV 1 CREDIT	EMT @ HCC 4 CREDITS EMERGENCY MANAGEMENT 2 CREDITS	SUMMIT INTERNATIONAL STUDIES ACADEMY @ SUMMIT TECH 4 CREDITS FOREIGN LANGUAGE IV 1 CREDIT	AP GOVERNMENT & AP COMPARATIVE GOVERNMENT .5 CREDIT EACH	ADVANCED COMPETITIVE DEBATE 1 CREDIT

IRC

DUAL CREDIT AND/OR IRC IN FAMILY AND COMMUNITY SERVICES AAFCS	DUAL CREDIT AND/OR US ARMY IRC	DUAL CREDIT POLICE SCIENCE IRC, EMT LICENSE OR TEEN CERT	IRC FROM THE INTERNATIONAL RELATIONS COUNCIL	DUAL CREDIT PRE-LAW IRC
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JROTC is not an extension of the recruitment mechanism for the uniformed services. Students in JROTC benefit from developing skills applicable to future careers, including communication, team-building, physical fitness, self-confidence and other leadership skills. This course sequence can be taken simultaneously with other coursework. Based upon workforce development data and college entrance requirements, it is strongly recommended that students participating in these pathways take a minimum of two courses in a foreign language. **Courses with a bold outline indicate dual credit opportunities.**



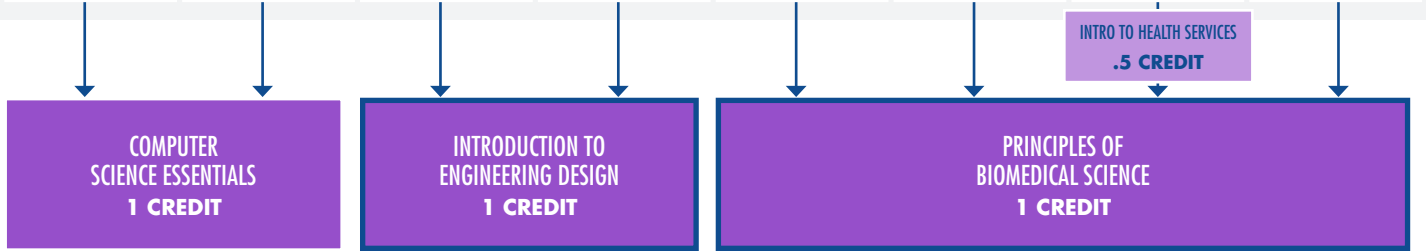
STEM ACADEMY

PATHWAYS



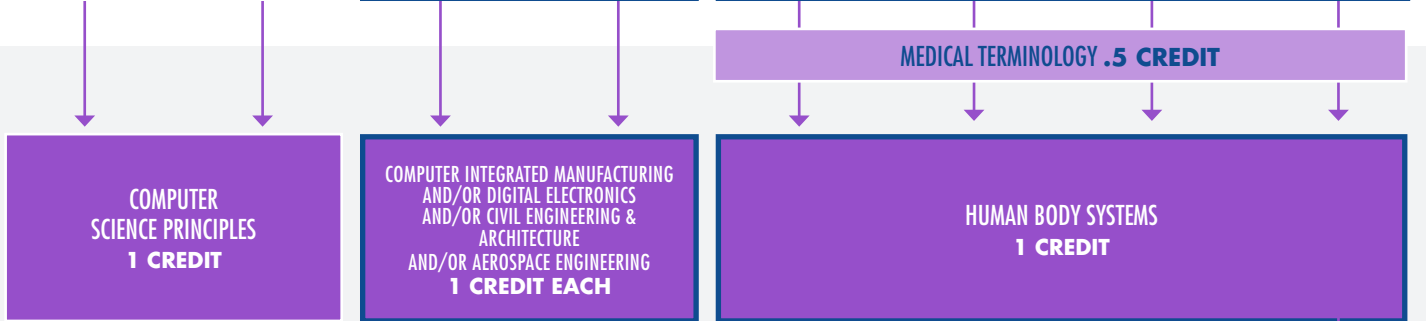
GRADE 9

EXPLORATION



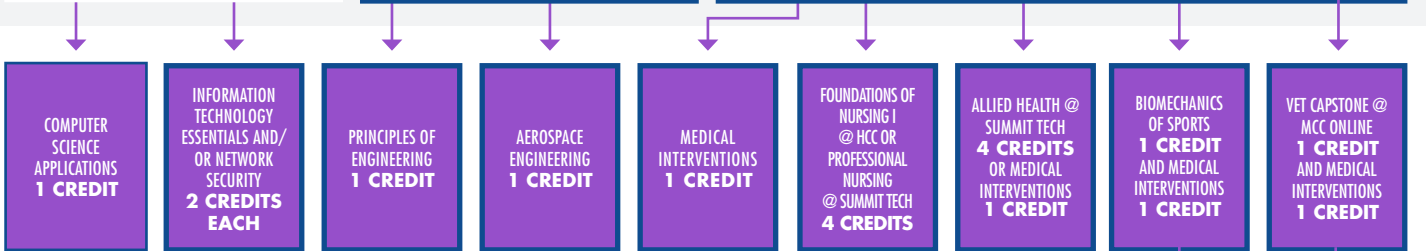
GRADE 10

PREPARATION



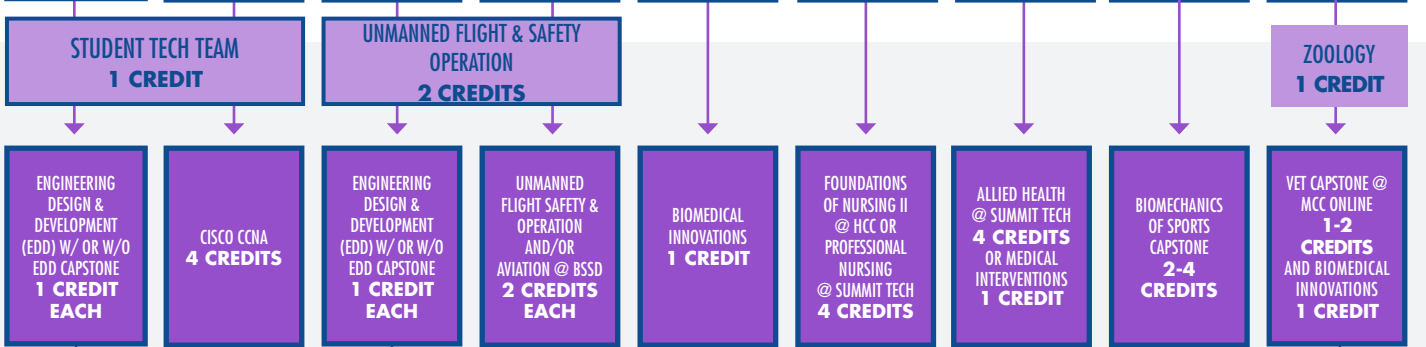
GRADE 11

IMMERSION



GRADE 12

APPLICATION



IRC



Based upon workforce development data and college entrance requirements, it is strongly recommended that students participating in these pathways 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. **Courses with a bold outline indicate dual credit opportunities.**