

Sequencing

9th	10th	11th	12th
EXPLORE → DEVELOP → SPECIALIZE → APPLY			
<ul style="list-style-type: none"> • College and Career Exploration Primer • Advisory • Self-Interest Inventory • MyCap Introduction • Project-Based Inquiry Learning <ul style="list-style-type: none"> ➤ Computer Science Essentials ➤ Introduction to Advanced Manufacturing ➤ Principles of Engineering ➤ Principles of Biomedical Science ➤ College and Career Primer 	<ul style="list-style-type: none"> • College and Career Exploration Development • First-Year Experience college course • MyCap Development • Project-Based Deeper Learning <ul style="list-style-type: none"> ➤ IT Programming, Design, and Security ➤ Integrated Production Technology ➤ Understanding Engineering Concepts ➤ Health Informatics ➤ Human Body Systems ➤ College and Career Planning 	<ul style="list-style-type: none"> • College and Career Integration • College Courses <ul style="list-style-type: none"> ➤ Business Administration ➤ Multimedia Design ➤ Human Services ➤ Health Sciences ➤ Criminal Justice ➤ IT • MyCap Development • Project-Based Deeper Learning <ul style="list-style-type: none"> ➤ IT Programming, Design, and Security ➤ Computer Integrated Manufacturing ➤ Digital Electronics ➤ Environmental Sustainability ➤ Medical Interventions 	<ul style="list-style-type: none"> • College and Career Application • College Courses <ul style="list-style-type: none"> ➤ Business Administration ➤ Multimedia Design ➤ Human Services ➤ Health Sciences ➤ Criminal Justice ➤ IT • MyCap Post-Grad Planning • Internships and College/Career Mentoring

All college courses will be offered at STCC, unless the partners develop a future plan to offer some courses at the high school. The college courses are all aligned with one of the Mass Transfer Pathways, the MassTransfer GenEd Foundations and the Mass Transfer STEM GenEd Foundation as well as the A2B STEM pathways. All students will take English 101 and English 102 as a part of their pathway.

The partners are now in discussion about co-requisite courses as a pathway to college readiness.

Following is a list of the courses for each pathway and how they align with the high school courses.

Computer and IT Security

Grade	Required Courses	Required Pathway Course Selections <small>*Students must select one per year</small>	General Electives	College and Career Planning
9	English 9		General Electives: Health Technology, Applications of Technology I, Applications of Technology II, Fine Arts, Music, Art, Theater, Dance	Naviance - Career Planning
	Algebra I			Daily Career Exploration Class
	Biology			
	World History			
	Phys. Ed. PE 9			
	Foreign Language Elective (2 consecutive years required)			
10	English 10	FYE 101 - First Year Experience (College Lvl)	Math Electives: Integrated Math I and II, Pre-Calculus, Calculus, Statistics, AP Calculus, AP Statistics	Naviance - Career Planning
	Geometry			Daily Career & College Exploration Class
	US History 1			
	Chemistry Elective			
	Foreign Language Elective (2 consecutive years required)			
11	English 11 (AP/H)	ENG 101 - English Composition (College Lvl)	General Electives: Health Technology, Applications of Technology I, Applications of Technology II, Fine Arts, Music, Art, Theater, Dance Math Electives: Pre-Calculus, Calculus, Statistics, AP Calculus, AP Statistics Social Studies Electives: Psychology, Sociology, Economics, Government, African American History, Law Latin America, Ancient History, Community Service Science Elective: Anatomy/Physiology, Intro to Physics, Environmental Science, Physics, Ecology, Technology Engineering	Naviance - Career Planning
	Algebra II	College Level Math		Daily Career & College Exploration Class
	US History II	CMP 106 Computer Basics: Concepts & Applications (College Lvl)		
	Phys. Ed. PE 10			
	Science Elective			
	Foreign Language Elective (2 consecutive years required)			
	Elective			
12	English 12 (AP/H)	ENG 102 - English Composition II or ENG 104 -Technical Report Writing (College Lvl)	Science Elective: Anatomy/Physiology, Intro to Physics, Environmental Science, Physics, Ecology, Technology Engineering	Naviance - Career Planning
	Phys. Ed. PE 12	College Level Social Science Elective		Daily Career & College Exploration Class
	Social Studies Elective	CIT 115/115L Python Programing and Programing Lab		
	Math Elective			
	Science Elective			
	Foreign Language Elective (2 consecutive years required)			
	Elective			

* (H) - Honors Course, (AP) - Advanced Placement

Human Services/Social Work

Grade	Required Courses	Required Pathway Course Selections <i>*Students must select one per year</i>	General Electives	College and Career Planning
9	English 9		General Electives: Health Technology, Applications of Technology I, Applications of Technology II, Fine Arts, Music, Art, Theater, Dance	Naviance - Career Planning
	Algebra I			Daily Career Exploration Class
	Biology			
	World History			
	Phys. Ed. PE 9			
	Foreign Language Elective (2 consecutive years required)			
10	English 10	FYE 101 - First Year Experience (College Lvl)	Math Electives: Integrated Math I and II, Pre-Calculus, Calculus, Statistics, AP Calculus, AP Statistics	Naviance - Career Planning
	Geometry			Daily Career & College Exploration Class
	US History 1			
	Chemistry Elective			
	Foreign Language Elective (2 consecutive years required)			
11	English 11 (AP/H)	ENG 101 - English Composition (College Lvl)	General Electives: Health Technology, Applications of Technology I, Applications of Technology II, Fine Arts, Music, Art, Theater, Dance Math Electives: Pre-Calculus, Calculus, Statistics, AP Calculus, AP Statistics	Naviance - Career Planning
	Algebra II	CMP 106 Computer Basics: Concepts & Applications (College Lvl)		Daily Career & College Exploration Class
	US History II	PSY 101 - General Psychology (College Lvl)		
	Phys. Ed. PE 10			
	Science Elective			
	Foreign Language Elective (2 consecutive years required)			
	Elective			
12	English 12 (AP/H)	ENG 102 - English Composition II or ENG 104 -Technical Report Writing (College Lvl)	Social Studies Electives: Psychology, Sociology, Economics, Government, African American History, Law Latin America, Ancient History, Community Service Science Elective: Anatomy/Physiology, Intro to Physics, Environmental Science, Physics, Ecology, Technology Engineering	Naviance - Career Planning
	Phys. Ed. PE 12	SOC 101 - Introduction to Sociology (College Lvl)		Daily Career & College Exploration Class
	Social Studies Elective	PSY 230 - Principles of Normal/Abnormal Behavior (College Lvl)		
	Math Elective			
	Science Elective			
	Foreign Language Elective (2 consecutive years required)			
	Elective			

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Business Administration

Grade	Required Courses	Required Pathway Course Selections <i>*Students must select one per year</i>	General Electives	College and Career Planning
9	English 9		General Electives: Health Technology, Applications of Technology I, Applications of Technology II, Fine Arts, Music, Art, Theater, Dance	Naviance - Career Planning
	Algebra I			Daily Career Exploration Class
	Biology			
	World History			
	Phys. Ed. PE 9			
	Foreign Language Elective (2 consecutive years required)			
10	English 10	FYE 101 - First Year Experience (College Lvl)	Math Electives: Integrated Math I and II, Pre-Calculus, Calculus, Statistics, AP Calculus, AP Statistics	Naviance - Career Planning
	Geometry			Daily Career & College Exploration Class
	US History 1			
	Chemistry Elective			
	Foreign Language Elective (2 consecutive years required)			
11	English 11 (AP/H)	ENG 101 - English Composition (College Lvl)	General Electives: Health Technology, Applications of Technology I, Applications of Technology II, Fine Arts, Music, Art, Theater, Dance Math Electives: Pre-Calculus, Calculus, Statistics, AP Calculus, AP Statistics Social Studies Electives: Psychology, Sociology, Economics, Government, African American History, Law Latin America, Ancient History, Community Service Science Elective: Anatomy/Physiology, Intro to Physics, Environmental Science, Physics, Ecology, Technology Engineering	Naviance - Career Planning
	Algebra II	CMP 106 Computer Basics: Concepts & Applications (College Lvl)		Daily Career & College Exploration Class
	US History II	MKT 101 - Principles of Marketing (College Lvl)		
	Phys. Ed. PE 10			
	Science Elective			
	Foreign Language Elective (2 consecutive years required)			
	Elective			
12	English 12 (AP/H)	ENG 102 - English Composition II or ENG 104 - Technical Report Writing (College Lvl)	Science Elective: Anatomy/Physiology, Intro to Physics, Environmental Science, Physics, Ecology, Technology Engineering	Naviance - Career Planning
	Phys. Ed. PE 12	MGT 101 - Principles of Management (College Lvl)		Daily Career & College Exploration Class
	Social Studies Elective	MAT 115 - Statistics		
	Math Elective			
	Science Elective			
	Foreign Language Elective (2 consecutive years required)			
	Elective			

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Digital/Graphic/Multimedia Design

Grade	Required Courses	Required Pathway Course Selections <small>*Students must select one per year</small>	General Electives	College and Career Planning
9	English 9		General Electives: Health Technology, Applications of Technology I, Applications of Technology II, Fine Arts, Music, Art, Theater, Dance	Naviance - Career Planning
	Algebra I			Daily Career Exploration Class
	Biology			
	World History			
	Phys. Ed. PE 9			
	Foreign Language Elective (2 consecutive years required)			
10	English 10	FYE 101 - First Year Experience (College Lvl)	Math Electives: Integrated Math I and II, Pre-Calculus, Calculus, Statistics, AP Calculus, AP Statistics	Naviance - Career Planning
	Geometry			Daily Career & College Exploration Class
	US History 1			
	Chemistry Elective			
	Foreign Language Elective (2 consecutive years required)			
11	English 11 (AP/H)	ENG 101 - English Composition (College Lvl)	General Electives: Health Technology, Applications of Technology I, Applications of Technology II, Fine Arts, Music, Art, Theater, Dance Math Electives: Pre-Calculus, Calculus, Statistics, AP Calculus, AP Statistics	Naviance - Career Planning
	Algebra II	PSY 101 - General Psychology (College Lvl)		Daily Career & College Exploration Class
		DMP 101 - Introduction to Multimedia or ART 101 - Introduction to Art: Basic Design (College Lvl)		
	US History II			
	Phys. Ed. PE 10			
	Science Elective			
	Foreign Language Elective (2 consecutive years required)			
	Elective			
12	English 12 (AP/H)	ENG 102 - English Composition II or ENG 104 - Technical Report Writing (College Lvl)	Social Studies Electives: Psychology, Sociology, Economics, Government, African American History, Law Latin America, Ancient History, Community Service Science Elective: Anatomy/Physiology, Intro to Physics, Environmental Science, Physics, Ecology, Technology Engineering	Naviance - Career Planning
		2 of the following: DMP 120/120L - Introduction to Video Production (College Lvl) GAT 150/150L/151 - Introduction to Professional Photography and Studio (College Lvl) GAT 160/160L - Introduction to Web Design (College Lvl)		Daily Career & College Exploration Class
	Phys. Ed. PE 12			
	Social Studies Elective			
	Math Elective			
	Science Elective			
	Foreign Language Elective (2 consecutive years required)			
	Elective			

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Health Science

Grade	Required Courses	Required Pathway Course Selections *Students must select one per year	General Electives	College and Career Planning
9	English 9		General Electives: Health Technology, Applications of Technology I, Applications of Technology II, Fine Arts, Music, Art, Theater, Dance	Naviance - Career Planning
	Algebra I			Daily Career Exploration Class
	Biology			
	World History			
	Phys. Ed. PE 9			
	Foreign Language Elective (2 consecutive years required)			
10	English 10	FYE 101 - First Year Experience (College Lvl)	Math Electives: Integrated Math I and II, Pre-Calculus, Calculus, Statistics, AP Calculus, AP Statistics	Naviance - Career Planning
	Geometry			Daily Career & College Exploration Class
	US History 1			
	Chemistry Elective			
	Foreign Language Elective (2 consecutive years required)			
11	English 11 (AP/H)	ENG 101 - English Composition (College Lvl)	General Electives: Health Technology, Applications of Technology I, Applications of Technology II, Fine Arts, Music, Art, Theater, Dance Math Electives: Pre-Calculus, Calculus, Statistics, AP Calculus, AP Statistics Social Studies Electives: Psychology, Sociology, Economics, Government, African American History, Law Latin America, Ancient History, Community Service	Naviance - Career Planning
	Algebra II	CMP 106 Computer Basics: Concepts & Applications (College Lvl)		Daily Career & College Exploration Class
	US History II	MED 100 - Medical Terminology (College Lvl)		
	Phys. Ed. PE 10			
	Science Elective			
	Foreign Language Elective (2 consecutive years required)			
	Elective			
12	English 12 (AP/H)	ENG 102 - English Composition II or ENG 104 -Technical Report Writing (College Lvl)	Science Elective: Anatomy/Physiology, Intro to Physics, Environmental Science, Physics, Ecology, Technology Engineering	Naviance - Career Planning
	Phys. Ed. PE 12	PSY 101 - General Psychology (College Lvl)		Daily Career & College Exploration Class
	Social Studies Elective	HSC 110 - Communication and Professionalism in Healthcare (College Lvl)		
	Math Elective			
	Science Elective			
	Foreign Language Elective (2 consecutive years required)			
	Elective			

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Criminal Justice

Grade	Required Courses	Required Pathway Course Selections <small>*Students must select one per year</small>	General Electives	College and Career Planning
9	English 9		General Electives: Health Technology, Applications of Technology I, Applications of Technology II, Fine Arts, Music, Art, Theater, Dance	Naviance - Career Planning
	Algebra I			Daily Career Exploration Class
	Biology			
	World History			
	Phys. Ed. PE 9			
	Foreign Language Elective (2 consecutive years required)			
10	English 10	FYE 101 - First Year Experience (College Lvl)	Math Electives: Integrated Math I and II, Pre-Calculus, Calculus, Statistics, AP Calculus, AP Statistics	Naviance - Career Planning
	Geometry			Daily Career & College Exploration Class
	US History 1			
	Chemistry Elective			
	Foreign Language Elective (2 consecutive years required)			
11	English 11 (AP/H)	ENG 101 - English Composition (College Lvl)	General Electives: Health Technology, Applications of Technology I, Applications of Technology II, Fine Arts, Music, Art, Theater, Dance Math Electives: Pre-Calculus, Calculus, Statistics, AP Calculus, AP Statistics Social Studies Electives: Psychology, Sociology, Economics, Government, African American History, Law Latin America, Ancient History, Community Service	Naviance - Career Planning
	Algebra II	PSY 101 - General Psychology (College Lvl)		Daily Career & College Exploration Class
	US History II	CRJ 101 - Introduction to Criminal Justice (College Lvl)		
	Phys. Ed. PE 10			
	Science Elective			
	Foreign Language Elective (2 consecutive years required)			
	Elective			
12	English 12 (AP/H)	ENG 102 - English Composition II or ENG 104 -Technical Report Writing (College Lvl)	Science Elective: Anatomy/Physiology, Intro to Physics, Environmental Science, Physics, Ecology, Technology Engineering	Naviance - Career Planning
	Phys. Ed. PE 12	SOC 101 - Introduction to Sociology (College Lvl)		Daily Career & College Exploration Class
	Social Studies Elective	CRJ 102 - Criminology (College Lvl)		
	Math Elective			
	Science Elective			
	Foreign Language Elective (2 consecutive years required)			
	Elective			

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Assuming that students follow the Early College they should graduate with at least 12 credits. Some students may take five course in their senior year and graduate with 21 credits.

The Springfield Public School District is revising polices on how college credits will transfer to high school courses. The current model is that a semester of college English equates to a year of high school English, but this model is under review.