



Seckinger High School – Schools of Study – Pathways

The table below shows the Pathways offered in our three Schools of Study. In addition to the pathway information, the table demonstrates the post-graduation college and career opportunities for students upon completion of a pathway.

SHS School of Study	Pathway	Student Interests	Course 1 (9 th Grade)	Course 2 (10 th Grade)	Course 3 (11 th Grade)	Course 4 (12 th Grade)	Post-Secondary Education Opportunities	Future Career Opportunities
Advanced Science and Technology	Artificial Intelligence	Ideal for students that are creative thinkers, strong problem solvers, and have an interest in computers and solving global issues with innovative technology solutions.	Foundations of Artificial Intelligence	Concepts of Artificial Intelligence	Applications of Artificial Intelligence	Design Capstone OR 4 th YR Elective OR Internship	-Bachelor's degree in Intelligent Robotics Engineering -Bachelor's degree in Robotics and Intelligent Systems -Bachelor's degree in Computer Science (Artificial Intelligence)	-UX Designer -Software Engineer -AI Research Scientist -Computer Scientist -Machine Learning Developer -Computer Systems Engineer
	Mechanical Engineering	Ideal for students that have an interest in math, science, and technology subjects, enjoy working collaboratively on teams, and have strong leadership and communication skills.	Introduction to Mechatronics – DC Theory, Pneumatic Systems	AC Theory, Electric Motors, and Hydraulic Systems	Semiconductors, Mechanical Systems, Pump and Piping Systems	Design Capstone OR 4 th YR Elective OR Internship	-4 Year - Engineering (Civil, Mechanical, Electrical, & Industrial) -2 Year - Automated Manufacturing and Engineering Technology	-Mechatronics Engineer, Electrical Engineer, and Industrial Engineer
	Environmental Engineering and Sustainability	Ideal for students that are passionate about environmental and social sustainability, able to motivate and lead others, and would enjoy developing innovative solutions to global environmental issues.	Foundations of Engineering/Tech	Engineering Concepts	Engineering applications	Design Capstone OR 4 th YR Elective OR Internship	-Bachelor's degree in Environmental Engineering, or related science/engineering fields.	-Environmental Engineer -Water Project Manager -Green Building Engineer -Environmental Health Director -Environmental Engineering Consultant
	Computer Science	Ideal for students that are logical thinkers, strong in math and problem solving, and have an interest in computers.	Intro to Digital Technology	AP Computer Science Principles	AP Computer Science A	Design Capstone OR 4 th YR Elective OR Internship	-Computer Science -Computational Media	-Software Developer, IT Analyst, System Engineer, Network Architect
Business and Leadership	International Business	Ideal for students that have an interest in business, entrepreneurship, and enjoy working collaboratively on teams, and have strong leadership and communication skills.	Intro to International Business	Global Awareness and Cultural Competency	International Business Concepts	Design Capstone OR 4 th YR Elective OR Internship	-Co-major in International Business -Bachelor of Business Administration	-International Marketing Specialist -Business Manager -Foreign Exchange Operations Analyst
	Civic Leadership and Diplomacy	Ideal for students that have a strong interest in global issues and government enjoy working collaboratively with a focus on problem solving, able to think critically, has strong communication skills and can effectively lead others.	Foundations of Leadership	AP Government US & AP Comparative Government AND/OR American Government & Comparative Politics	International Relations & Diplomacy	Design Capstone OR 4 th YR Elective OR Internship	-Bachelor's Degree in Political Science, Public Policy, or International Relations	-Community & Public Relations -Security & International Relations -Diplomatic & Public Policy -Human Rights & International Law -Conflict Resolution
	World Languages	Ideal for students that have an interest in the exploration and application of language and culture. Benefits of high proficiency in a language other than English include career advancement, broader global context and perspective, increased mental flexibility, and connection to other cultures and people.	DLI Spanish/ World Language I	DLI Spanish/ World Language II	DLI Spanish/ World Language III	Design Capstone OR 4 th YR Elective OR Internship	-Bachelor's Degree in Language Education, Dual Language Immersion Teaching, Translation/Interpretation, or International Studies. -Co-Major in Any Field	-World Languages Teacher -Dual Language Immersion Teacher -Interpreter/Translator -Diplomat/ Foreign Service -Language/Culture Expert in any Applicable Career
	Marketing & Management	Ideal for the student that has an entrepreneurial mindset and can effectively problem solve and communicate with others.	Marketing Principles	Marketing & Entrepreneurship	Marketing Management	Work Based Learning	-Marketing, Business, or Advertising	-Business Ownership, Marketing Specialist, Advertiser
Art and Design	Visual Arts	Ideal for the creative student who thrives when able to express themselves through the manipulation and study of visual media.	2D/3D Art	Printmaking I Drawing & Painting I Sculpture	Printmaking II Drawing & Painting II AP Studio/AP 2D	Design Capstone OR 4 th YR Elective OR Internship	-Bachelor's Degree in: Education	-Educator -Fashion Design -Graphic Design -Professional Artist -Media Design
	Digital Arts	Ideal for the artistic student who wishes to explore the digital media and its relationships and support of the arts.	2D/3D Art Music Technology	Intro to Graphics & Design Music Technology II	Graphic Design & Production Music Technology III	Design Capstone OR 4 th YR Elective OR Internship	-Bachelor's Degree in: Architecture & Design; Civil Engineering; Graphic Design & Marketing; Studio Production; Education	-Studio Engineer -Sound Design -Graphic Design -Marketing -Photographer -Fashion Design -Educator
	Performing Arts	Ideal for the student who has a passion for performing and expressing themselves through various artistic mediums.	Band Orchestra Chorus Dance Theater	Band Orchestra Chorus Dance Theater	Band Orchestra Chorus Dance Theater	Design Capstone OR 4 th YR Elective OR Internship	-Bachelor's Degree in: Studio Production; Education; Professional Musician, Actor, or Dancer	-Professional Musician, Actor, or Dancer -Educator
	Audio-Video Technology and Film	Ideal for the creative student that has a desire to design, produce, or write multimedia content.	Audio/Video Tech and Film I	Audio/Video Tech and Film II	Applications of Film Production	Design Capstone OR 4 th YR Elective OR Internship	- Associates Degree (GA Film Academy) - Bachelor/Masters in Film/Journalism/News Media	-Directors, Producers, Content Creators (Social Media), or Journalists
Personalized Course of Study		Determined by student and academic advisor						

- All students at SKG should work to complete at least one pathway. As students complete their pathway of choice, students should also take Fine Arts Courses and World Language Courses. We offer 7 periods, so students have the opportunity to take Pathway coursework.
- Advanced courses and program of study (AP, dual enrollment, etc.) are offered as well for students interested in 4-year colleges and seeking advanced degrees.
- Any course offered is contingent upon a minimum enrollment number.



Seckinger High School - Academic Pathways



The table below displays example academic pathways for each content areas. A student can be on the standard pathway in one subject and on a more advanced pathway in another subject. While there is room for flexibility and deviation, the table serves as a guide for the most common sequences students complete during their time at Seckinger High School. Please contact your student's counselor if you have specific questions.

Subject/Content Area	Academic Pathway	9 th Grade	10 th Grade	11 th Grade	12 th Grade
Language Arts (4 years of courses required for graduation)	Standard	9 th Grade Literature & Composition	Media Literacy in the Global Society	11 th Grade American Literature	Advanced Composition <u>OR</u> Dual Enrollment
	Advanced/AP Pathway	9 th Grade Literature & Composition	Media Literacy in the Global Society	AP Language & Composition	AP Literature & Composition <u>OR</u> Dual Enrollment
Math (4 years of courses required for graduation)	Standard	Algebra: Concepts and Connections	Geometry: Concepts and Connections	Advanced Algebra: Concepts and Connections	Advanced Financial Algebra <u>OR</u> Precalculus <u>OR</u> Dual Enrollment
	Advanced	Geometry: Concepts and Connections	Advanced Algebra: Concepts and Connections	AP Calc Ab, AP Calc BC, or AP Statistics	AP Calculus AB, <u>OR</u> AP Statistics <u>OR</u> Dual Enrollment
	Accelerated/AP Pathway	Accelerated Geometry: Concepts and Connections (Can Take AP Statistics Concurrently)	Enhanced Advanced Algebra and Precalculus: Concepts and Connections	AP Calc Ab, AP Calc BC, AP Statistics, Calculus or Precalculus	Georgia Tech Calculus <u>OR</u> Differential Equations <u>OR</u> AP Statistics <u>OR</u> Dual Enrollment
Science (4 years of courses required for graduation)	Standard	Biology	Chemistry	Physics	4 th Year Science Elective <u>OR</u> AP Science <u>OR</u> Dual Enrollment
	Advanced/AP Pathway	Biology and Chemistry Blocked Chemistry in Fall & Biology in Spring	AP Biology	AP Physics 1	AP Physics C, AP Chemistry, AP Environmental Science, AP Computer Science Principles <u>OR</u> Dual Enrollment
Social Studies (3 years of courses required for graduation)	Standard	Civic Engagement	World History	US History	Economics/American Government & Civics <u>OR</u> Dual Enrollment
	AP Pathway	AP Human Geography	AP World History	AP US History	AP Macroeconomics/AP American Government <u>OR</u> Dual Enrollment
World Language	Spanish, French, Portuguese	-Seckinger HS offers 4 years of Spanish and French on-campus. Students are recommended to take 3-4 years between middle and high school if applying to 4-year university. -It is highly recommended that students complete their World Language experience in consecutive years, including the transition from Middle School into High School. -Graduating seniors can achieve the Seal of Biliteracy, which recognizes a high level of proficiency in speaking, reading, and writing in one or more languages in addition to English.			
Physical Education	1 year of Health and Physical Education is Required	Health and Personal Fitness	Optional Electives including Weight Training, Body Sculpting, Team Sports, and Recreational Games		
Fine Arts	See Art and Design School of Study	Fine Arts elective choices include courses in Band, Orchestra, Music Technology, Dance, Theater, and Visual Arts. Students are recommended to take 3-4 years if applying to 4-year university. In Georgia, high school students can achieve a Fine Arts Diploma Seal while completing a pathway in dance, music, theater/film, and/or visual art. The diploma seal is a signal that a student is prepared to participate in the creative economy.			
Career Technical Education	See Descriptions Listed in School of Study	Marketing Principles	Marketing & Entrepreneurship	Marketing Management	Work Based Learning
		Audio/Video Tech and Film I	Audio/Video Tech and Film II	Applications of Film Production	Design Capstone OR 4 th YR Elective OR Internship
		Intro to Software and Technology	AP Computer Science Principles	AP Computer Science	AP Computer Science A

- Graduation Requirements: Students must earn 23 credits in order to graduate. The breakdown for credits that must be earned is as follows:
4 Math credits, - 4 Science credits, 4 Language Arts credits, 3 Social Studies credits, Health + Personal Fitness, 3 electives within CTE/World Language/or Fine Arts, and 4 additional general electives
- The table above does not include course level designations such as College Prep, Honors, or Gifted. Those designations will be present on all course requests and schedules.
- Any course offered is contingent upon a minimum enrollment number.