

Highlands P-TECH with St. Philip's College – AVIATION MAINTENANCE – Class of 2025

Name: _____

Student ID# _____

Last Updated: _____

Foundation + Endorsement	Freshman 9 th Grade		Sophomore 10 th Grade		Junior 11 th Grade		Senior 12 th Grade	
High School	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
English English 1 (1) English 2 (1) English 3 (1) English 4 (1)	English 1 (.5)	English 1 (.5)	English 2 (.5)	English 2 (.5)	English 3 (.5) English 1301 Freshman Comp1 (3 hours)	English 3 (.5)	English 4 (.5)	English 4 (.5)
Math Algebra 1 (1) Geometry (1) Algebra 2 (1) Pre-Calculus (1)	Algebra 1 (.5) or Geometry (.5)	Algebra 1 (.5) or Geometry (.5)	Geometry (.5) or Algebraic Reasoning (.5)	Geometry (.5) or Algebraic Reasoning (.5)	Algebra 2 (.5)	Algebra 2 (.5) *Math 1314/ 1414/ 1332 College Algebra or Contemporary Math (3-4 hours)	Pre-Calculus (.5) or AQR / Stats (.5)	Pre-Calculus (.5) or AQR / Stats (.5)
Science Biology (1) IPC (1) Chemistry (1) Physics (1)	Biology (.5)	Biology (.5)	Integrated Physics & Chemistry (.5)	Integrated Physics & Chemistry (.5)	Chemistry (.5)	Chemistry (.5)	Physics 1 (.5)	Physics 1 (.5) PHYS 1305 Introductory Physics (3 hours)
Social Studies W. Hist. or W. Geo.(1) U.S. History (1) Gov (.5) / Eco (.5)			World History (.5)	World History (.5)	US History I (.5)	US History II (.5)	Government I (.5)	Economics I (.5) ECON 1301 Intro to Economics (3 hours)
World Language LOTE 1 (1) LOTE 2 (1)	Spanish I (.5) or ASL I (.5)	Spanish I (.5) or ASL I (.5)	Spanish II (.5) or ASL II (.5)	Spanish II (.5) or ASL II (.5)				
Fine Arts/Phys Ed Fine Arts (1) PE (1)	Physical Education (.5)	Physical Education (.5)			Fine Arts I (.5)	Fine Arts I (.5) MUSI 1306 Appreciation (3 hours)		
Career & Technical Education Years 1-4 (4) = (16 total) *Up to 4 Credits CTE each year!	AERM 1310 Ground Ops (3 hours/64) AERM 1208 FAA Regulations (2 hours/48) MWF 12-3pm	AERM 1241 Wood, Fabric, Finishes (2 hours/48) AERM 1303 Shop Practices (3 hours/80) MWF 12-3pm	AERM 1315 Aviation Science (3 hours/80) AERM 1205 Weight and Balance (2 hours/48) TR 11:30-4pm	AERM 1414 Basic Electricity (4 hours/112) TR 11:30-4pm	AERM 1352 Aircraft Sheet Metal (3 credits/128) TR 11:30-4pm	AERM 1354 Aircraft Composites (3 credits/96) TR 11:30-4pm	AERM 1351 Aircraft Turbine Engine Theory (3 credits/96) INTERNSHIP - 320 hours TR 11:30-4pm	AERM 2351 Aircraft Turbine Engine Overhaul (3 credits/80) INTERNSHIP - 320 hours TR 11:30-4pm
AVID & Electives AVID (4) / Electives (0) Total: 31 Credits	AVID (.5)	AVID (.5)	AVID (.5)	AVID (.5)	AVID (.5)	AVID (.5)	AVID (.5)	AVID (.5)
	No room for additional electives		No room for additional electives		No room for additional electives		Possible room for 1 elective	

High School Courses in **Black**

College Courses are in **Blue or Orange**. Contact hours for CTE courses vary – 96-112 contact hours = 1 credit per semester. Most years students will have 2 credits of CTE course built into schedule. **Level 1 Certificate = 4 Years**

Additional Requirements - Blue courses required for Associate Degree. **TSIA Alert - students must meet TSIA exam score requirements to take dual credit courses.**

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Highlands P-TECH can support up to 6 years of dual credit studies. Student who select the 5-6 year plan will be able to finish the full Associate Degree. The schedule for Years 5-6 will be based on student goals, college graduation plan, and internship availability and schedule.

Student would participate in all high school graduation ceremonies and receive a completion of high school requirements certificate. Student would remain enrolled in SAISD for Year 5 and 6 for funding and support and receive official diploma and Associate Degree upon completion of all coursework. If student chooses, they can exit the program at any time and receive their high school diploma if they have met all high school graduation requirements according to the state of Texas.

Year 5 – College ONLY		Year 6 – College ONLY	
Fall	Spring	Fall	Spring
Additional College Courses to Meet Student Goal: Level 1 or Level 2 Certifications *Airframe and/or Powerplant Associate Degree		College Course Recovery (if needed)	
College Course Recovery (if needed)			
AERM 2486/1491 Internship (4 credits/320)			
<i>*All internship placement is based on availability, student certifications, student professionalism skills, and successful application. Student may be required to provide own transportation. Students are not guaranteed internship placement and internships may be paid or unpaid.</i>			

Date Reviewed/Updated: _____

Student: _____

Parent/Guardian: _____

Counselor/P-TECH Coordinator/IHE Partner: _____