

Klein ISD & Lone Star College Geospatial Engineering & Land Surveying Pathway



		Core Credit Attainment		
Grade 9		HS STEM	GIS Award*	AS*
Fall	Spring			
1	English 1 KP	✓		
2	Biology I KP	✓		
3	Geometry KP	✓		
4	World Geography KP/World History KP	✓		
5	LOTE I or LOTE II	✓		
6	PE HS Elective	✓		
7	Principles of Applied Engineering	✓		
KISD Summer Bridge or LSC Blended Learning		HS STEM	GIS Award*	AS*
1	EDUC 1300			✓
2	PE (PHED 1164)			✓
Grade 10		HS STEM	GIS Award*	AS*
Fall	Spring			
1	English II KP	✓		
2	Chemistry KP/DC (CHEM 1405)	✓		✓
3	Algebra II KP	✓		
4	World History KP	✓		
5	LOTE II or Elective	✓		
6	Computer Aided Drafting/Basic Geographic Information Systems DC/Intro	✓		
7	Computer-Aided Drafting (DFTG 1309) to GIS (GISC 1411) AutoCAD Certification	✓	✓	✓
Grade 11		HS STEM	GIS Award*	AS*
Fall	Spring			
1	English III DC (ENGL 1301) English III DC (ENGL 1302)	✓		✓
2	Physics DC (PHYS 1401)	✓		✓
3	Pre-Calculus DC (MATH 2412)	✓		✓
4	US History DC (HIST 1301) US History DC (HIST 1302)	✓		✓
5	Fine Arts Fine Arts DC	✓		✓
6	Raster-Based GIS DC: Raster-Based GIS	✓	✓	✓
7	Intro to Raster-Based GIS (GISC 1421) National Society of Professional Surveyors			
KISD Summer Bridge or LSC Online Learning		HS STEM	GIS Award*	AS*
	Texas Government (GOVT 2306)			✓
Grade 12		HS STEM	GIS Award*	AS*
Fall	Spring			
1	English IV DC (ENGL 2322) Communications Applications DC (SPCH 1311)	✓		✓
2	Biology DC (BIOL 1406) Biology DC (BIOL 1407)	✓		✓
3	Trigonometry DC (MATH 1316)			✓
4	Federal Government DC (GOVT 2305) Economics DC (ECON 2301)	✓		✓
5	Elective or Computer Science I KP Elective or Computer Science I DC			
6	Practicum in STEM DC/Cartography & Practicum in STEM/FAA Remote Drone Pilot	✓	✓	✓
7	Geography in GIS & GPS (GISC 1401) Certification			

* Geographic Information Systems, Occupational Skills Award

* Associate of Science Degree

Individual student 4 year plans may vary

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