

Associate in Applied Science: GT Engineering Design Technology Primary, Engineering Secondary (61 Semester Hours 2/28/22)

Only courses in yellow are required for the degree

9th Grade

Credit	Semester	Course	Course Description	Suggested High School Progression
3.0	Fall	COL 103	College Skills (45 Contact Hours)	English I or II World Geography PE or ROTC AVID to include career development
1.0	Fall	COL 101	Skills for Life-Long Learning (15 Contact Hours)	
3.0	Fall	CPT 170	Microcomputer Applications (45 Contact Hours)	
7.0				
3.0	Spring	IDS 154	Negotiating the Workplace (45 Contact Hours) (Earns Microburst Career Readiness Certification)	Algebra I or Geometry
3.0	Spring	PSY 103	Human Relations (45 Contact Hours); (OR students may take a readiness course from below)	Biology (EOC)
6.0				AVID to include career development
<p>Students may also take other Readiness Courses such as MAT 155, English 155, MAT 101, or MAT 102.</p> <p>Students may also participate in Summer Institute courses using LTA and SCWINS</p>				

10th Grade

Credit	Semester	Course	Course Description	Suggested High School Progression
3.0	Fall	EGT 152	Fundamentals of CAD* (PLTW:75 Contact Hours)	Geometry or Algebra II Calhoun takes EGT 152 at HS English II or English III Earth Science or Chemistry I
3.0	Fall	COL 103	STEM College & Career Readiness (45 Contact Hours)	
6.0				AVID to include career opportunity planning, local and national
3.0	Spring	AET 101	Building Systems I* (PLTW: 75 Contact Hours)	Algebra II or Pre-Calculus/Probability and Statistics
3.0	Spring	CIM 130 (or EGR 112)	Computer Integrated Manufacturing* (PLTW: 75 Contact Hours) or EET 140*(PLTW)	English III or English IV
3.0	Spring	IDS 103	Critical Thinking (45 Contact Hours)	Calhoun takes EET 140 & AET 101 at HS Government/Economics
9.0				AVID to include career opportunity planning, local and national
<p>Students may also participate in Summer Institute courses using LTA and SCWINS</p> <p>Students may take virtual Spanish I in summer or SPA 101</p>				

11th Grade

Credit	Semester	Course	Course Description	Suggested High School Progression
4.0	Fall	EGT 110	Engineering Graphics I Electrical Circuits I (90 contact hours)	English 4 (or OCtech Eng 101 and ENG 102)
3.0	Fall	MAT 101 (or MAT 175 or MAT 110)	Beginning Algebra (45 Contact Hours)	Pre-Calculus or Probability and Statistics (or use MAT 175 as 4th HS math course) AVID to include ACT and SAT Prep
3.0	Fall	EGT 151		
3.0	Fall	XXX	ADD a paired course to ensure mastery of EGT Courses	
13.0				
3.0	Spring	EGR 130	Engineering Technology Applications and Programming* (PLTW: 75 Contact Hours; Satisfies High School Graduation Computer Requirement)	Third HS Science (or OCtech PHY 201)
3.0	Spring	MAT 102 (or MAT 176 or MAT 111)	Intermediate Algebra (45 Contact Hours)	US History (EOC)
4.0	Spring	EGT 115		
3.0	Spring	ENG 160	Technical Communications (45 Contact Hours) (OR ENG 101 and SPC 205)	AVID to include ACT and SAT Prep
13.0				
<p>Students may also participate in Summer Institute courses using LTA and SCWINS</p> <p>Students may take virtual Spanish II in summer or SPA 102</p>				

12th Grade

12th Grade				
Credit	Semester	Course	Course Description	Suggested High School Progression
4.0	Fall	PHY 201	Physics I (90 Contact hours; can serve as third high school science with lab)	AVID to include college transfer, college applications, job search
3.0	Fall	EGT 252	Advanced CAD (75 Contact Hours)	
3.0	Fall	EGT 259	Advanced Architectural CAD (75 Contact Hours)	
2.0	Fall	EGT 172	Electronic Drafting (30 Contact Hours)	
4.0	Fall	SPA 101	Elementary Spanish 101 (90 Contact Hours)	
16.0				
4.0	Spring	EGT 220	Structural and Piping Applications (120 Contact Hours)	AVID to include college transfer, college applications, job
4.0	Spring	EGR 194	Statics and Strength of Materials (90 Contact Hours)	
3.0	Spring	EGT 251	Principles of CAD (75 Contact Hours)	
3.0	Spring	HSS 101	Introduction to Humanities (45 Contact Hours)	
14.0				

NOTE: AVID courses can be used as high school electives (see Horry County; suggest .5 unit per semester)

* PERKINS CTE COMPLETER COURSE