Associate in Applied Science: GT Electronic Instrumentation Primary, Electronics Secondary (62 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
1.0	Fall	COL 101	Skills for Life-Long Learning (15 Contact Hours)	World Geography
3.0	Fall	CPT 170	Microcomputer Applications (45 Contact Hours)	PE or ROTC
7.0				AVID to include career development
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
			Students may also take other Readiness Courses such as MAT 155, English 155, MAT 101, or MAT 102.	
			Students may also participate in Summer Institute courses using LTA and SCWINS	

10th Grade

Credit	Semester	Course	Course Description	Suggested High School Progression
3.0	Fall	EGR 130	Engineering Technology Applications and Programming* (PLTW: 75 Contact Hours) (meets HS requirement for computer course)	Geometry or Algebra II Calhoun will take EGR 130 at HS
3.0	Fall	COL 120	STEM College & Career Readiness (45 Contact Hours)	English II or English III
6.0				Earth Science or Chemistry I
				AVID to include career opportunity planning, local and national
3.0	Spring	EGT 152	Fundamentals of CAD* (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)	English III or English IV
3.0	Spring	IDS 103	Critical Thinking (45 Contact Hours)	Government/Economics
9.0				Calhoun will take EGT 152 at HS
				AVID to include career opportunity planning, local and national
			Students may also participate in Summer Institute courses using LTA and SCWINS	**Students may take virtual Spanish I in summer (OCtech SPA 101)**

11th Grade

Credit	Semester	Course	Course Description	Suggested High School Progression
4.0	Fall	EET 113	Electrical Circuits I (90 contact hours)	English 4 (or OCtech Eng 101 and ENG 102)
3.0	Fall	MAT 175 (or MAT 110)	Algebra and Trigonometry I (45 Contact hours)	Pre-Calculus or Probability and Statistics (or use MAT 175 as a 4th HS math course)
3.0	Fall	EIT 110	Principles of Instrumentation (75 Contact Hours)	AVID to include ACT and SAT Prep
3.0	Fall	XXX	ADD a paired course to ensure mastery of EET 113	
13.0				
4.0	Spring	EET 140 and EET 143 (or EET 145)	Digital Electronics* and Digital Electronics Lab ((PLTW: 90 Contact hours)	Third HS Science (or OCtech PHY 201) Calhoun will take EET 140 at HS
3.0	Spring	MAT 176 (or MAT 111)	Algebra and Trigonometry II (45 Contact hours)	US History (EOC)
4.0	Spring	EET 141	Electronics Circuits (90 Contact Hours)	
3.0	Spring	ENG 160	Technical Communications (45 Contact Hours) (OR ENG 101 and SPC 205)	AVID to include ACT and SAT Prep
14.0				
			Students may also participate in Summer Institute courses using LTA and SCWINS	**Students could also take virtual Spanish II in summer (OCtech SPA 102)**

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

5.0	Fall	EIT 211	Introduction to Electronic Instrumentation I (135 Contact Hours)	
3.0	Fall	EET 235	Programmable Controllers (75 Contact Hours)	
4.0	Fall	SPA 101	Elementary Spanish 101 (90 Contact Hours)	
16.0				
5.0	Spring	EIT 212	Introduction to Electronic Instrumentation II (135 Contact Hours)	AVID to include college transfer, college applications, job search
3.0	Spring	EIT 220	Control Principles (75 Contact Hours)	
3.0	Spring	EET 227	Electrical Machinery (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