

**Associate in Applied Science General Technology Degree in Engineering Design Technology,
Engineering Technology Secondary Specialty for the OCtech Early College Career Academy 2/28/22**

General Education Courses	Lec/Lab/Credit Hours/Total Semester Contact Hours (TSCH)
ENG 160 Technical Communications (or ENG 101 and SPC 205)	3-0-3 (TSCH=45)
MAT 101 Beginning Algebra (or MAT 110 or MAT 175)	3-0-3 (TSCH=45)
MAT 102 Intermediate Algebra (or MAT 111 or MAT 176)	3-0-3 (TSCH=45)
HSS 101 Introduction to Humanities (or history or fine arts equivalent)	3-0-3 (TSCH=45)
PSY 103 Human Relation (or PSY 201 or SOC 101)	3-0-3 (TSCH=45)
	15.0 Hours
Primary Technical Specialty	
EGT 152 Fundamentals of CAD*	2-3-3 (TSCH=75)
AET 101 Building Systems I*	2-3-3 (TSCH=75)
EGT 110 Engineering Graphics I	3-3-4 (TSCH=90)
EGT 151 Introduction to CAD	2-3-3 (TSCH=75)
EGT 115 Engineering Graphics II	3-3-4 (TSCH=90)
EGT 252 Advanced CAD	2-3-3 (TSCH=75)
EGT 220 Structural and Piping Applications	2-6-4 (TSCH=120)
EGT 259 Advanced Architectural CAD	2-3-3 (TSCH=75)
EGT 172 Electronic Drafting	2-0-2 (TSCH=30)
EGT 251 Principles of CAD	2-3-3 (TSCH=75)
	32.0 Hours
Secondary Technical Specialty	
EGR 130 Engineering Technology Applications and Programming*	2-3-3 (TSCH=75)
PHY 201 Physics I	3-3-4 (TSCH=90)
CIM 131 Computer Integrated Manufacturing* or EET 140 Digital Electronics*	2-3-3 (TSCH=75)
EGR 194 Statics and Strength of Materials	3-3-4 (TSCH=90)
	14.0 Hours
Program Total Hours	61.0 Hours

* High School Completer Course for Perkins. Students can have a high school Engineering Major with PLTW courses.

NOTE: In addition to elective high school graduation credit for dual credit courses, EGR 130 meets the South Carolina high school graduation computer requirement. Green highlighted courses could be used as local board approved high school graduation credit, if approved by for district. Students could take both English 101 and 102 to meet the requirement of English 4.