Degree Pathway – A.S.
Engineering Technology [2040] – 2 Year Plan

The following is a recommended sequence of courses for completing this program. Developmental courses and prerequisite courses may not all be listed on the pathway below. Developmental courses and prerequisite course requirements, credit load and/or course availability may affect a student's individual progress. The pathway below is specifically intended for full-time students who begin their course work with the Fall semester. Students should always consult their online degree planner for the catalog year that they entered the college and meet with their program manager for advising each semester to better understand typical course availability and individual program planning as this plan is subject to change.

Required Courses and Recommended Sequence

Semester One - Fall

CGS 1000 Computer Information Systems	3 credits
EGN 1111C Engineering Drawing	3 credits
ETD 2364C Introduction to SolidWorks (first 8 weeks)	3 credits
ETD 2368C Advanced SolidWorks (second 8 weeks)	3 credits
EET 1084C Introduction to Electronics	3 credits
Total Credit Hours	**15 credits**

Semester Two - Spring

Gen Ed Area V Natural Science	3 credits
BCN 1597 Introduction to Solar Energy	3 credits
ETI 1420C Manufacturing Processes and Materials	3 credits
ETM 1010C Mechanical Measurement and Instrumentation	3 credits
BCN 2046 Introduction to Sustainability	3 credits
Total Credit Hours	**15 credits**

Semester Three - Summer

Gen Ed Area III Social Science	3 credits
MAC 1105 College Algebra *Gen Ed Area II Mathematics*	3 credits
ENC 1101 Written Communication I	3 credits
ETI 1701 Industrial Safety	3 credits
Total Credit Hours	**12 credits**

Semester Four - Fall

Gen Ed Area IV Humanities	3 credits
ETD 1320C Introduction to Auto CAD	3 credits
EET 2525C Programmable Logic Controllers	3 credits
EET 1033C Fundamentals of DC/AC Circuits	3 credits
ETI 1110 Quality Assurance	3 credits
Total Credit Hours	**15 credits**

Semester Five - Spring

ENC 2210 Technical Communication	3 credits
ETI 2441 Project Management	3 credits

SLS 1350 Job Marketing Skills	1 credit
ETD 2949 Internship in Technology	3 credits
ETI 1622 Introduction to Lean Manufacturing and Six Sigma	3 credits
ETI 1628 Coaching Self-Directed Teams	3 credits
Total Credit Hours	**16 credits**
Total Degree Credit Hours	**73 Credits**

Recommended Electives:

ETD 1390C Autodesk Revit
MTB 1321 Technical Mathematics
ETG 2530C Strength of Materials
ETI 2610 Principles of Six Sigma
ETI 2623 Tools for Lean Manufacturing
ETI 1644 Production and Inventory Control
ETI 1843C Motors and Controls
ETS 1535C Automated Process Controls
ETI 2315C Hydraulics and Pneumatics
BCN, EET, EGS, ETD, ETI, ETG, ETP, ETS, SUR