Department: **Department of Applied Technology**
Degree: **Bachelor of Science in Technology Studies**
Concentration: **Engineering Design Technology**

TECS Core Requirements – 32 credit hours
TECS 120 – Power, Energy, and Transportation (3)
TECS 130 – STEM in Technology Systems (3)
TECS 200 – Engineering Graphics (3)
TECS 312 – Graphic Communication Techniques (3)
TECS 318 – Introduction to Computer Aided Drafting (3)
TECS 480 – Industrial Management (3)
TECS 490 – Occupational Safety, Health, and Liability (2)
TECS 495 – Training & Instructional Systems (3) *Add OR* TECS 460 Teaching Technology Education (495 OR 460)
TECS 499 – Internship (9)-*Add OR TECS 406 Internship (3) OR TECS 606 Internship (3) (406/606 can be taken multiple times to earn the 9 credits of internship hours.)*

TECS Engineering Design Technology - 27 credit hours

TECS 180 – Materials, Processes & Production (3)
TECS 310 – Manufacturing Graphics (3)
TECS 355 – Computer Aided Drafting (3)
TECS 375 – Robotics: Engineering Problem Solving (3)
TECS 385 – Construction Planning and Design (3)
TECS 415 – Construction Graphics (3)
TECS 445 – Civil Drafting (3)
TECS 475 – Mechanical & Electrical Systems (3)
TECS 610 – Advanced Computer-Aided Drafting (3) *Add TECS 610 to the EDT concentration.*

TECS Elective – 9 credit hours (NEW) *Addition of a total of 9 hours of TECS Electives. (Addition of TECS Elective credits is to align with new reduced KBOR General Education to earn the 120 credits for the BS degree.)*

FREE Elective – 5 credit hours (NEW) *Addition of a total of 5 hours of FREE Electives. (Addition of FREE Elective credits is to align with new reduced KBOR General Education to earn the 120 credits for the BS degree.)*

TECS Management Requirements – 6 credit hours

MGT 101 – Intro to Business (3)
MGT 301 – Management Principles (3)

***TECS* General Education Requirement for Association of Technology, Management, and Applied Engineering (ATMAE) Accreditation** – 16 credit hours (Credits should be taken as part of the General Education course work.)
MATH 101 – Liberal Arts Mathematics (3) ***or*** MATH 110 – College Algebra (3)
MATH 250 – Elements of Statistics (3) ***or*** MATH 234 Analytic Geometry & Calculus I (3)
GSCI 100 – Introduction to Geology (3)
PHYS 102 – Physical Science (3)
PHYS 103 – Physical Science Laboratory (1) ***or*** GSCI 102 – Introduction to Geology Lab (1)
TECS 391 – Technology in Society (3)

General Education Requirements: KBOR 34 hours General Education + TECS additional MATH & Physical Science.

Total Hours – 120 Hours

TECS Core	32
Engineering Design Technology	27
TECS Elective	9
FREE Elective	5
TECS Management	6
Additional MATH	3
Additional Physical Science	3
General Education + Seminar	35
	120