

Department of Applied Technology
Bachelor of Science in Technology Studies

Engineering Design Technology

TECS Core Requirements – 32 credit hours

___ TECS 120 – Power, Energy, and Transportation (3) B	___ TECS 480 – Industrial Management (3) S
___ TECS 130 – STEM in Technology Systems (3) B	___ TECS 490 – Occupational Safety, Health, and Liability (2) I/S
___ TECS 200 – Engineering Graphics (3) B	___ TECS 495 – Training & Instructional Systems (3) F OR
___ TECS 312 – Graphic Communication Techniques (3) B	TECS 460 Teaching Technology Education (3) F
___ TECS 318 – Intro. to Computer Aided Drafting (3) B	___ TECS 499 – Internship *** (9) B

Area of Concentration

Engineering Design Technology - 27 credit hours

- ___ TECS 180 – Materials, Processes & Production (3) F
- ___ TECS 310 – Manufacturing Graphics (3) S
- ___ TECS 355 – Computer Aided Drafting (3) F
- ___ TECS 375 – Robotics: Engineering\ Prob. Solving (3) S
- ___ TECS 385 – Construction Planning and Design (3) S
- ___ TECS 406 – TECS elective (3)
- ___ TECS 415 – Construction Graphics (3) F
- ___ TECS 445 – Civil Drafting (3) S
- ___ TECS 475 – Mechanical & Electrical Systems (3) F

TECS Management Requirements – 6 credit hours

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

TECS General Education Requirement – 16 credit hours

- ___ 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 (5)
- ___ 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)
- ___ IDS 390 – Technology in Society (3)

*****TECS 499—Internship** Students: plan ahead for internship. Start gathering details the semester BEFORE you want to do internship. 9 credit hours of internship can be broken up into segments (before your senior year). Get an internship manual from Rachel (AT 121 or rlharman@fhsu.edu). Make appointment with Mr. Stewart: Department Chair (AT 121) before you are ready to enroll. Note: ALL students (grade level and major) are encouraged to attend & participate in the Career Fair held each fall. This will give you personal contacts with many companies to set up internship, summer work, or full-time employment upon graduation. ALL Technology Studies students plan to attend the **Career Fair!**

Classes are offered: B=classes offered **both** Fall and Spring F=class offered in the Fall S=class offered in the Spring
U=Summer I=Intersession (between Fall and Spring semesters)

Reminder: Go the Registrar's Office (Picken Hall, Room 302) and get a degree summary the middle of your **sophomore** year.