

Technology Plan of Study

All Technology majors complete these Technology core courses:

IT 1923 Basic Electronics
IT 1153 Engineering Design Graphic I
IT 2033 Engineering Math
TE 2613 Introduction to Technology
IT 4533 Care and Management of Industrial Equipment
IT 4963 Senior Project
IT 4003/6 Internship

COMPUTER DRAFTING DESIGN OPTION

I. Degree: Bachelor of Science

II. Major: Technology (Computer Drafting Design)

A. General Education: 50 hours

B. Required Computer Design Courses: 33 hours

IT 2423 Engineering Computer Aided Design I
IT 2433 Engineering Computer Aided Design Graphic II
IT 3413 Architectural Drafting
IT 3433 Industrial Machine Drafting
IT 3443 Descriptive Geometry
IT 3643 Computer Graphic Design
AS 4433 Advanced GIS/GPS

Electives in Computer Design to complete 33 hours

C. Additional Requirements:

PH 1115 College Physics
CS 2103 Programming Concepts
CS 2113 Advance Programming Concepts

D. Electives in Technology as approved by department advisor

E. Electives to complete 124 a minimum of hours required for graduation including 45 hours upper division coursework.

BUILDING CONSTRUCTION MANAGEMENT OPTION

I. Degree: Bachelor of Science

II. Major: Technology (Building Const. Mgmt.)

A. General Education: 50 hours

B. Required Building Construction Management Courses: 33 hours

IT 3513 Strength of Materials and Cost Analysis in Construction
IT 3813 Concrete Technology
IT 3833 Engineering Mechanics and Statistics
IT 4823 Planning and Scheduling
IT 4833 Estimating Cost
IT 4843 Contract and Specifications

Electives in Building Construction Management to complete 33 hours.

C. Additional Requirements:

AG 2313 Elements of Soil
FN 3303 Business Statistics
BA 3103 Fundamentals of Management
BA 3113 Human Behavior in Organizations

D. Electives in Technology as approved by department advisor.

E. Electives to complete a minimum of 124-hours required for graduation including 45 hours of upper division coursework.

ELECTRONICS OPTION

I. Degree: Bachelor of Science

II. Major: Electronics Technology

A. General Education: 50 hours

B. Required Electronics Courses: 33 hours

IT 2933 Circuit Analysis I

IT 3943 Electronic Communications

IT 3953 Electronics Fundamentals and Applications

IT 3913 Circuit Analysis II

IT 3923 Digital Logic Design

IT 4933 A+ Computer Hardware

IT 4923 Introduction to Analog and Digital Circuits

Electives in Electronics to complete 33 hours.

C. Additional Requirements:

MT 2145 Calculus I

PH 1115 Physics I

PH 1125 Physics II

CS 2103 Programming Concepts

CS 2113 Advanced Programming Concepts

D. Electives in Technology as approved by department advisor.

E. Electives to complete a minimum of 124 hours required for graduation including 45 hours of upper division coursework.