

School of Engineering and Engineering Technology
ENGINEERING TECHNOLOGY, B.S.
ELECTRICAL, AUTOMATION, AND ROBOTICS CONCENTRATION (ET)
2024-25
SUGGESTED COURSE SEQUENCE

First Semester - Fall

15 Hours

___	BIBL	1033	3	Biblical Literature
___	EETC	1011	1	Electronic Fabrication Fundamentals (Fall only)
___	ENGL	1013	3	English Composition I
___	ENGR	1311	1	Manufacturing Processes Lab
___	ENGR	1513	3	Intro to Engineering Practice I (Fall only)
___	LETU	1101	1	Cornerstones of Life & Learning
___	MATH	1303	3	Precalculus ⁽¹⁾

Second Semester - Spring

16 Hours

___	COSC	1303	3	Computer Science I
___	EETC	1021	1	DC Circuits Laboratory (Spring only) ⁽¹⁾
___	EETC	1022	2	DC Circuits (Spring only) ⁽¹⁾
___	ENGR	1523	3	Intro to Engineering Practice II (Spring only)
___	MATH	1253	3	Trigonometry ⁽¹⁾
___	PHYS	1111	1	General Physics I Lab (Spring only)
___	PHYS	1113	3	General Physics I (Spring only)

Third Semester - Fall

15 Hours

___	CHEM	1111	1	General Chemistry I Lab
___	CHEM	1113	3	General Chemistry I
___	EETC	1041	1	AC Circuits Lab (Fall only) ⁽¹⁾
___	EETC	1042	2	AC Circuits (Fall only) ⁽¹⁾
___	MATH	1604	4	Technical Calculus (Fall only) ⁽¹⁾
___	PHYS	1121	1	General Physics II Lab (Fall only)
___	PHYS	1123	3	General Physics II (Fall only)

Fourth Semester - Spring

16 Hours

___	EETC	2313	3	Electronics I (Spring only)
___	EETC	3212	2	Digital Electronics (Spring only)
___	EETC	3211	1	Digital Electronics Lab (Spring only)
___	ENGL	1023	3	English Composition II
___	ENGR	2400	0	Sophomore Design Seminar (Spring only)
___	ENGR	2704	4	Project Mgmt, Design & Entrepreneurship
___	THEO	2043	3	Biblical Theology for the Christian Life

Fifth Semester - Fall

15 Hours

___	COMM	1113	3	Intro to Speech Communication
___	EETC	2323	3	Electronics II (Fall only)
___	EETC	3413	3	Industrial Power and Machinery (Fall only)
___	ENGR	2313	3	Materials Engineering
___	METC	2013	3	Statics (Fall only) ⁽¹⁾

Sixth Semester - Spring

15 Hours

___	BIBL		3	Biblical Engagement Elective
___	EETC	3433	3	Industrial Instrumentation & Controls (Spring only)
___	EETC	4213	3	Intro to Microcontrollers (Spring only)
___	GETC	3323	3	Modern Manufacturing Methods
___	METC	2023	3	Dynamics (Spring only)

Seventh Semester - Fall

18 Hours

___	BUSI	3023	3	Entrepreneurship for Engineers
___	EETC	4433	3	Industrial Robotics and Automation
___	ENGR	4813	3	Senior Design I (Fall only)
___			3	Civic Engagement Elective
___			3	Technical Elective
___			3	Humanities & Fine Arts Elective

Eighth Semester - Spring

15 Hours

___	EETC	4533	3	Computer Interfacing and Robotic Applications
___	ENGR	4823	3	Senior Design II (Spring only)
___	METC	4513	3	Fluid Mechanics
___	THEO		3	Theological Engagement Elective
___			3	Civic Engagement Elective

TOTAL HOURS 125

1: Minimum grade of 'C' required.

