

School of Engineering and Engineering Technology
ENGINEERING TECHNOLOGY, B.S.
Aeronautical-Mechanical Concentration
ETEC.MTAS/MTAS
2025-26
SUGGESTED COURSE SEQUENCE

First Semester - Fall

14 Hours

___	AVTC	1001	1	Fndl Concepts of Aviation Studies Lab ⁽¹⁾
___	AVTC	1003	3	Fndl Concepts of Aviation Studies ⁽¹⁾
___	ENGL	1013	3	English Composition I
___	ENGR	1513	3	Intro to Engineering Practice I (Fall only)
___	LETU	1101	1	Cornerstones of Life & Learning
___	MATH	1203	3	College Algebra ⁽¹⁾

Second Semester - Spring

18 Hours

___	AVTC	1401	1	Aircraft DC Electricity Lab ⁽¹⁾
___	AVTC	1403	3	Aircraft DC Electricity ⁽¹⁾
___	BIBL	1033	3	Biblical Literature
___	ENGR	1311	1	Manufacturing Processes Lab
___	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

17 Hours

___	EETC	1041	1	AC Circuits Lab (Fall only) ⁽¹⁾
___	EETC	1042	2	AC Circuits (Fall only) ⁽¹⁾
___	ENGL	1023	3	English Composition II
___	MATH	1604	4	Technical Calculus (Fall only) ⁽¹⁾
___	METC	2013	3	Statics (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

___	AVTC	2231	1	Intro to Aircraft Systems Lab
___	AVTC	2232	2	Intro to Aircraft Systems
___	ENGR	2400	0	Sophomore Design Seminar (Spring only)
___	ENGR	2704	4	Project Mgmt, Design & Entrepreneurship
___	METC	2023	3	Dynamics (Spring only) ⁽¹⁾
___	THEO	2043	3	Biblical Theology for the Christian Life
___			3	Civic Engagement Elective

Fifth Semester - Fall

17 Hours

___	AVTC	3261	1	Aircraft Composites Lab (Fall only)
___	AVTC	3262	2	Aircraft Composites (Fall only)
___	BIBL		3	Biblical Engagement Elective
___	CHEM	1111	1	General Chemistry I Lab
___	CHEM	1113	3	General Chemistry I
___	METC	3321	1	Strength of Materials Lab (Fall only)
___	METC	3323	3	Strength of Materials (Fall only)
___	METC	3503	3	Thermodynamics & Heat Transfer (Fall only)

Sixth Semester - Spring

17 Hours

___	AVTC	2213	3	Aircraft Metal Structures
___	AVTC	2623	3	Intro to Aircraft Powerplants
___	EETC	3433	3	Industrial Instrumentation and Controls (Spring only)
___	METC	4412	2	Kinematics of Machines (Spring only)
___	METC	4513	3	Fluid Mechanics (Spring only)
___			3	Humanities & Fine Arts Elective

Seventh Semester - Fall

15 Hours

___	EETC	3413	3	Industrial Power & Machinery (Fall only)
___	ENGR	4813	3	Senior Design I (Fall only)
___	ENGR	2313	3	Materials Engineering
___	METC	4113	3	Engr Tech Measurements Lab (Fall only)
___			3	Civic Engagement Elective

Eighth Semester - Spring

15 Hours

___	BUSI	3023	3	Entrepreneurship for Engineers
___	COMM	1113	3	Intro to Speech Communication
___	ENGR	4823	3	Senior Design II (Spring only)
___	THEO		3	Theological Engagement Elective
___	METC	4433	3	Elements of Machine Design (Spring only)

TOTAL HOURS 129

1: Minimum grade of 'C' required.

rev 4/21/2025

