

**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	FndI Concepts of Aviation Studies Lab <sup>(1)</sup>
_____	AVTC	1003	3	FndI Concepts of Aviation Studies <sup>(1)</sup>
_____	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 <sup>(1)</sup>

**Second Semester - Spring**

**18 Hours**

_____	AVTC	1401	1	Aircraft DC Electricity Lab <sup>(1)</sup>
_____	AVTC	1403	3	Aircraft DC Electricity <sup>(1)</sup>
_____	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 <sup>(1)</sup>
_____	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) <sup>(1)</sup>
_____	EETC	1042	2	AC Circuits (Fall only) <sup>(1)</sup>
_____	ENGL	1023	3	English Composition II
_____	MATH	1604	4	Technical Calculus (Fall only) <sup>(1)</sup>
_____	METC	2013	3	Statics (Fall only) <sup>(1)</sup>
_____	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) <sup>(1)</sup>
_____	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

