

School of Engineering and Engineering Technology
ENGINEERING TECHNOLOGY, B.S.
AERONAUTICAL-ELECTRICAL CONCENTRATION (ETAS)

2024-25

SUGGESTED COURSE SEQUENCE

First Semester - Fall

13 Hours

_____	AVTC	1001	1	Fndl Concepts of Aviation Studies Lab ⁽¹⁾
_____	AVTC	1003	3	Fndl Concepts of Aviation Studies ⁽¹⁾
_____	EETC	1011	1	Electronic Fabrication Fundamentals (Fall only)
_____	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

17 Hours

_____	AVTC	1401	1	Aircraft DC Electricity Lab ⁽¹⁾
_____	AVTC	1403	3	Aircraft DC Electricity ⁽¹⁾
_____	ENGL	1013	3	English Composition I
_____	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

18 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⁾
_____	ENGL	1023	3	English Composition II
_____	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

_____	BIBL	1033	3	Biblical Literature
_____	AVTC	2231	1	Intro to Aircraft Systems Lab
_____	AVTC	2232	2	Intro to Aircraft Systems
_____	EETC	2313	3	Electronics I (Spring only)
_____	EETC	3212	2	Digital Electronics (Spring only)
_____	EETC	3211	1	Digital Electronics Lab (Spring only)
_____	ENGR	2400	0	Sophomore Design Seminar (Spring only)
_____	ENGR	2704	4	Project Mgmt, Design & Entrepreneurship

Fifth Semester - Fall

15 Hours

_____	AVTC	3461	1	Aircraft Instrumentation Sys Lab (Fall only)
_____	AVTC	3462	2	Aircraft Instrumentation Systems (Fall only)
_____	EETC	2323	3	Electronics II (Fall only)
_____	EETC	3413	3	Industrial Power and Machinery (Fall only)
_____	METC	2013	3	Statics (Fall only) ⁽¹⁾
_____	THEO	2043	3	Biblical Theology for the Christian Life

Sixth Semester - Spring

15 Hours

_____	BIBL		3	Biblical Engagment Elective
_____	BUSI	3023	3	Entrepreneurship for Engineers
_____	EETC	4213	3	Intro to Microcontrollers (Spring only)
_____	EETC	3433	3	Industrial Instrumentation & Controls (Spring only)
_____			3	Technical Elective

Seventh Semester - Fall

16 Hours

_____	AVTC	2441	1	Airframe Electrical Laboratory
_____	AVTC	2443	3	Airframe Electrical
_____	COMM	1113	3	Intro to Speech Communication
_____	ENGR	4813	3	Senior Design I (Fall only)
_____			3	Civic Engagment Elective
_____			3	Humanities & Fine Arts Elective

Eighth Semester - Spring

16 Hours

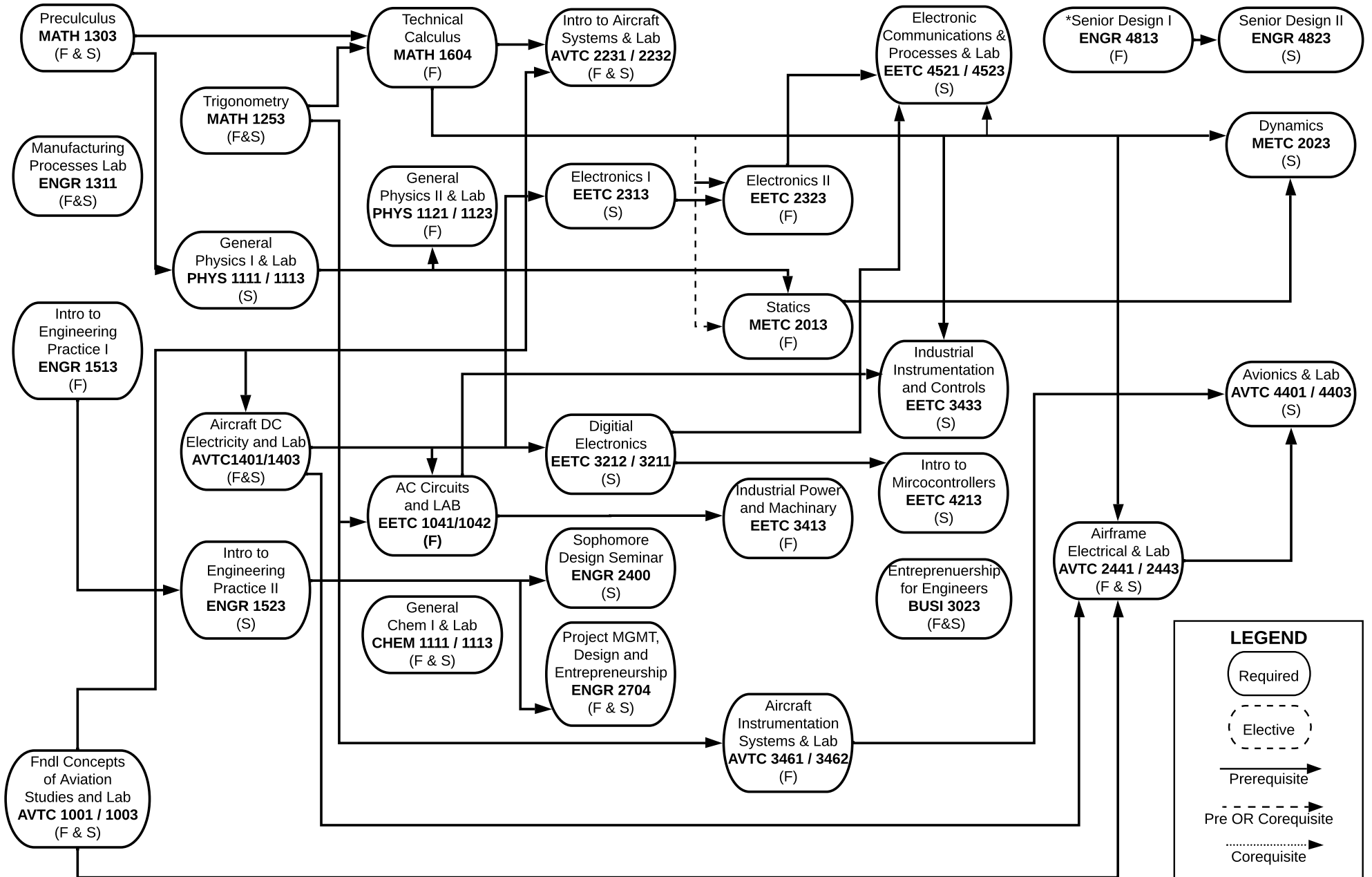
_____	AVTC	4401	1	Avionics Laboratory (Spring only)
_____	AVTC	4403	3	Avionics (Spring only)
_____	ENGR	4823	3	Senior Design II (Spring only)
_____	METC	2023	3	Dynamics (Spring only) ⁽²⁾
_____	THEO		3	Theological Engagment Elective
_____			3	Civic Engagment Elective

TOTAL HOURS 126

1: rade of 'C' required.

2: s may be substituted for METC 2023.

FRESHMAN		SOPHOMORE		JUNIOR		SENIOR	
Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring



* Senior standing, completion of junior courses in concentration, and consent of instructor required.

LEGEND

- Required (solid line)
- Elective (dashed line)
- Prerequisite (solid arrow)
- Pre OR Corequisite (dashed arrow)
- Corequisite (dotted arrow)
- (F) = Fall Only
- (S) = Spring Only