

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

2018-19

SUGGESTED COURSE SEQUENCE

First Semester - Fall			
16 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)
___	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			
___	AVTC 1401	1	Aircraft DC Electricity Lab ⁽¹⁾
___	AVTC 1403	3	Aircraft DC Electricity ⁽¹⁾
___	ENGR 1523	3	Intro to Engineering Practice II (Spring only)
___	MATH 1252	2	Trigonometry ⁽¹⁾
___	MATH 1603	3	Technical Calculus I (Spring only) ⁽¹⁾
___	PHYS 1111	1	General Physics I Lab (Spring only)
___	PHYS 1113	3	General Physics I (Spring only)

Third Semester - Fall			
17 Hours			
___	CHEM 1111	1	General Chemistry I Lab
___	CHEM 1113	3	General Chemistry I
___	EETC 1041	1	AC Electricity Lab (Fall only) ⁽¹⁾
___	EETC 1042	2	AC Electricity (Fall only) ⁽¹⁾
___	ENGL 1023	3	English Composition II
___	MATH 1613	3	Technical Calculus II (Fall only)
___	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 3213	3	Digital Electronics (Spring only)
___	ENGR 2400	0	Sophomore Design Seminar (Spring only)
___	ENGR 2704	4	Project Mgmt, Design & Entrepreneurship

Fifth Semester - Fall			
16 Hours			
___	AVTC 3461	1	Aircraft Instrumentation Sys Lab (Fall only)
___	AVTC 3462	2	Aircraft Instrumentation Systems (Fall only)
___	EETC 2324	4	Electronics II (Fall only)
___	EETC 3413	3	Electrical Machinery (Fall only)
___	METC 2013	3	Statics (Fall only) ⁽¹⁾
___	THEO 2043	3	Biblical Theology for the Christian Life

Sixth Semester - Spring			
17 Hours			
___	AVTC 2441	1	Airframe Electrical Laboratory
___	AVTC 2443	3	Airframe Electrical
___	BIBL	3	Biblical Engagment Elective
___	BUSI 3003	3	Foundations of Business for Engineers
___	EETC 4521	1	Electronic Comm's & Proc's Lab (Spring only)
___	EETC 4523	3	Electronic Comm's & Proc's (Spring only)
___	EETC 3433	3	Instrumentation and Controls (Spring only)

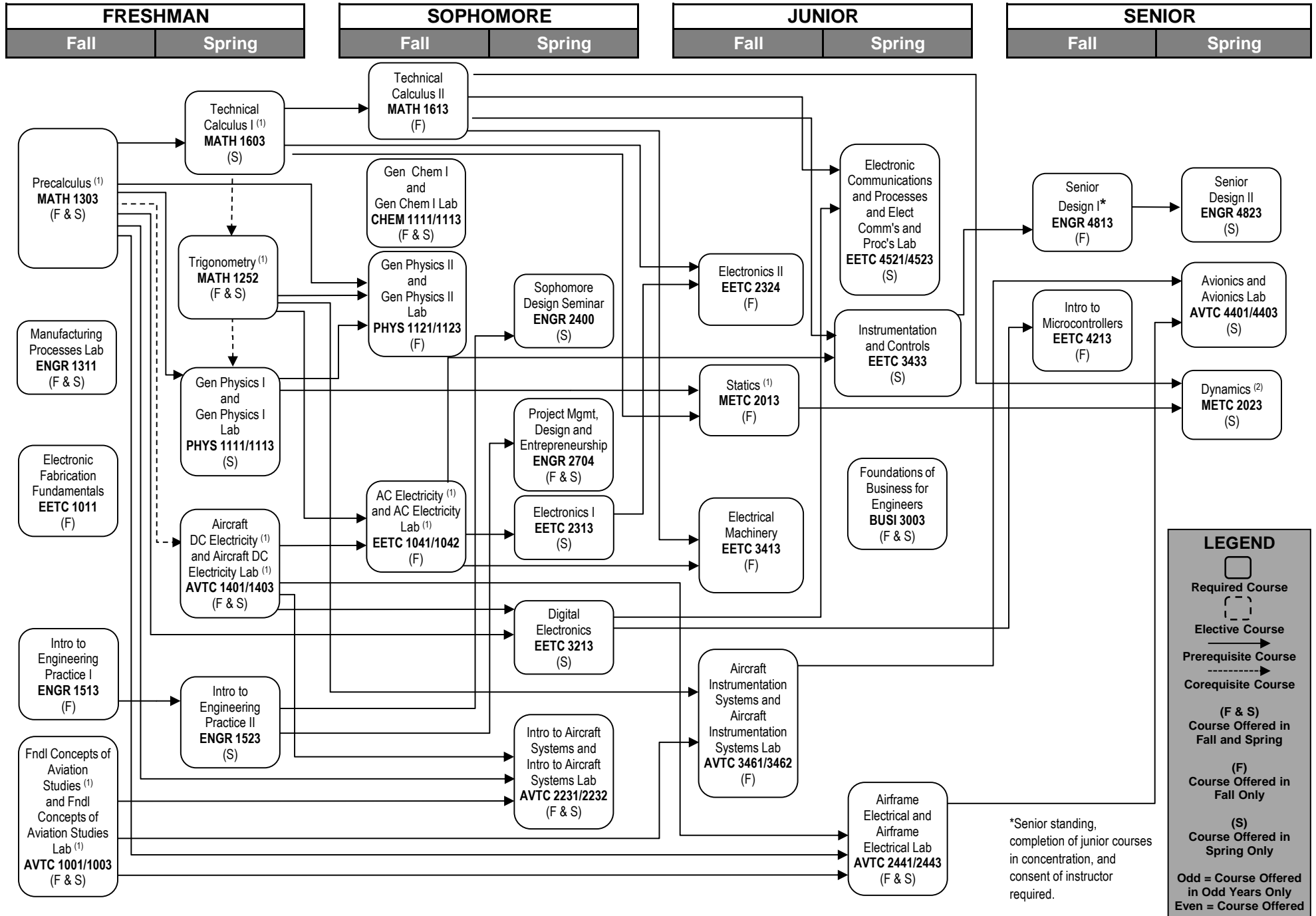
Seventh Semester - Fall			
15 Hours			
___	COMM 1113	3	Intro to Speech Communication
___	EETC 4213	3	Intro to Microcontrollers (Fall only)
___	ENGR 4813	3	Senior Design I (Fall only)
___		3	Civic Engagment Elective
___		3	Ingenuity Elective

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 129

1: Minimum grade of 'C' required.

2: METC 4513 Fluid Mechanics may be substituted for METC 2023.



1: Minimum grade of 'C' required.

2: EETC 4313 Digital and Microcomputer Design or METC 4513 Fluid Mechanics may be substituted for METC 2023.