

School of Engineering and Engineering Technology
ENGINEERING TECHNOLOGY, B.S.
ELECTRICAL CONCENTRATION (ET)
2021-22
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

15 Hours

___	EETC	1021	1	DC Electricity Laboratory (Spring only) ⁽¹⁾
___	EETC	1022	2	DC Electricity (Spring only) ⁽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
___	COSC	1303	3	Computer Science I
___	EETC	1041	1	AC Electricity Lab (Fall only) ⁽¹⁾
___	EETC	1042	2	AC Electricity (Fall only) ⁽¹⁾
___	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

___	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

16 Hours

___	EETC	2324	4	Electronics II (Fall only)
___	EETC	3413	3	Electrical Machinery (Fall only)
___	COMM	1113	3	Intro to Speech Communication
___	ENGR	2313	3	Materials Engineering
___	METC	2013	3	Statics (Fall only) ⁽¹⁾

Sixth Semester - Spring

18 Hours

___	BIBL		3	Biblical Engagement Elective
___	BUSI	3023	3	Entrepreneurship for Engineers
___	EETC	4213	3	Intro to Microcontrollers (Spring only)
___	EETC	3433	3	Instrumentation and Controls (Spring only)
___	METC	2023	3	Dynamics (Spring only) ⁽²⁾
___			3	Technical Elective

Seventh Semester - Fall

15 Hours

___	ENGR	4813	3	Senior Design I (Fall only)
___	METC	3503	3	Thermodynamics & Heat Transfer (Fall only)
___			3	Civic Engagement Elective
___			3	Ingenuity Elective
___			3	Technical Elective

Eighth Semester - Spring

16 Hours

___	EETC	4521	1	Electronic Comm's & Proc's Lab (Spring only)
___	EETC	4523	3	Electronic Comm's & Proc's (Spring only)
___	ENGR	4823	3	Senior Design II (Spring only)
___	THEO		3	Theological Engagement Elective
___			3	Civic Engagement Elective
___			3	General Elective ⁽³⁾

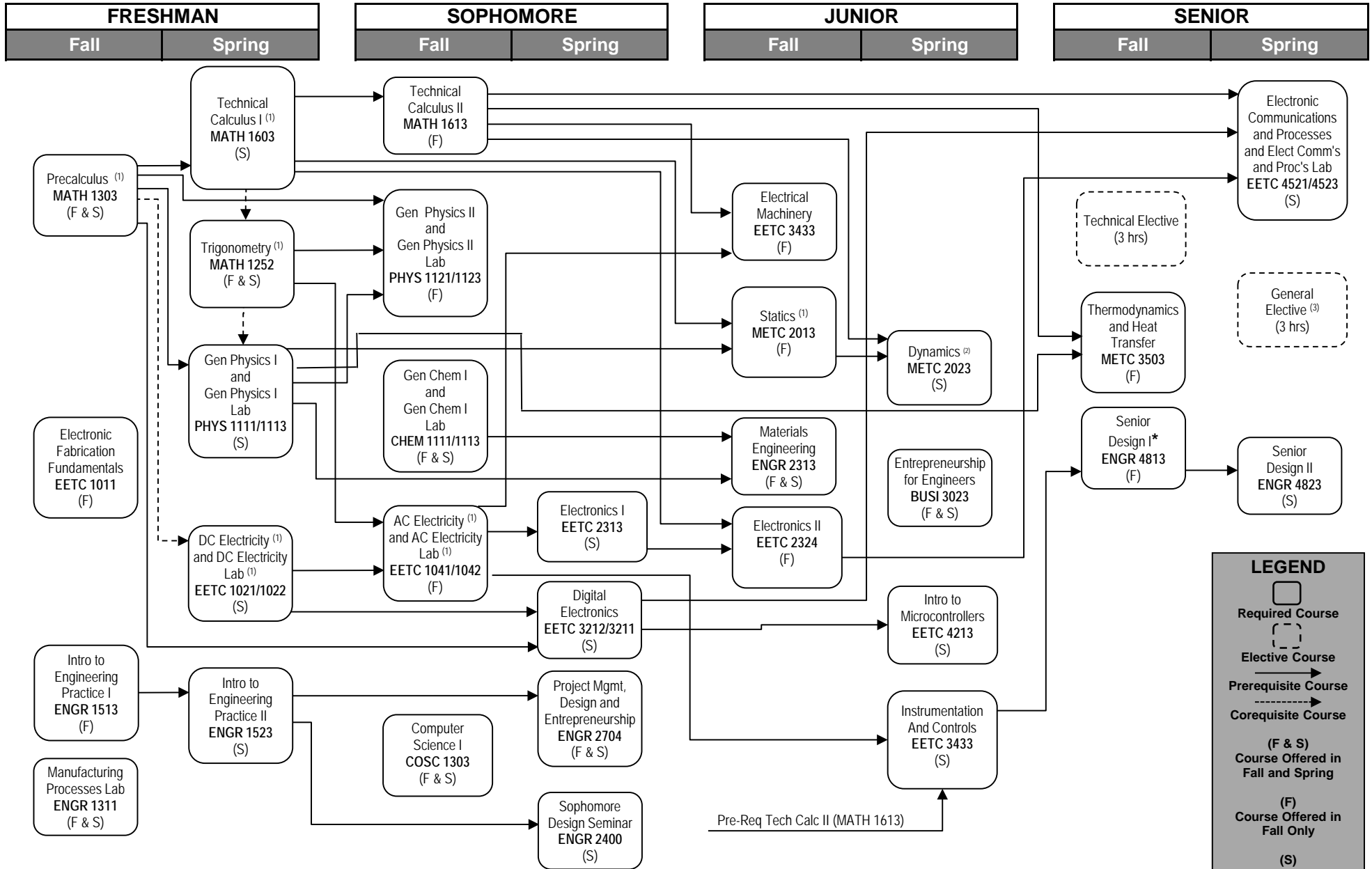
TOTAL HOURS 128

1: Minimum grade of 'C' required.

2: GETC 3323 or METC 4513 may be substituted for METC 2023

3: Must be approved.

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