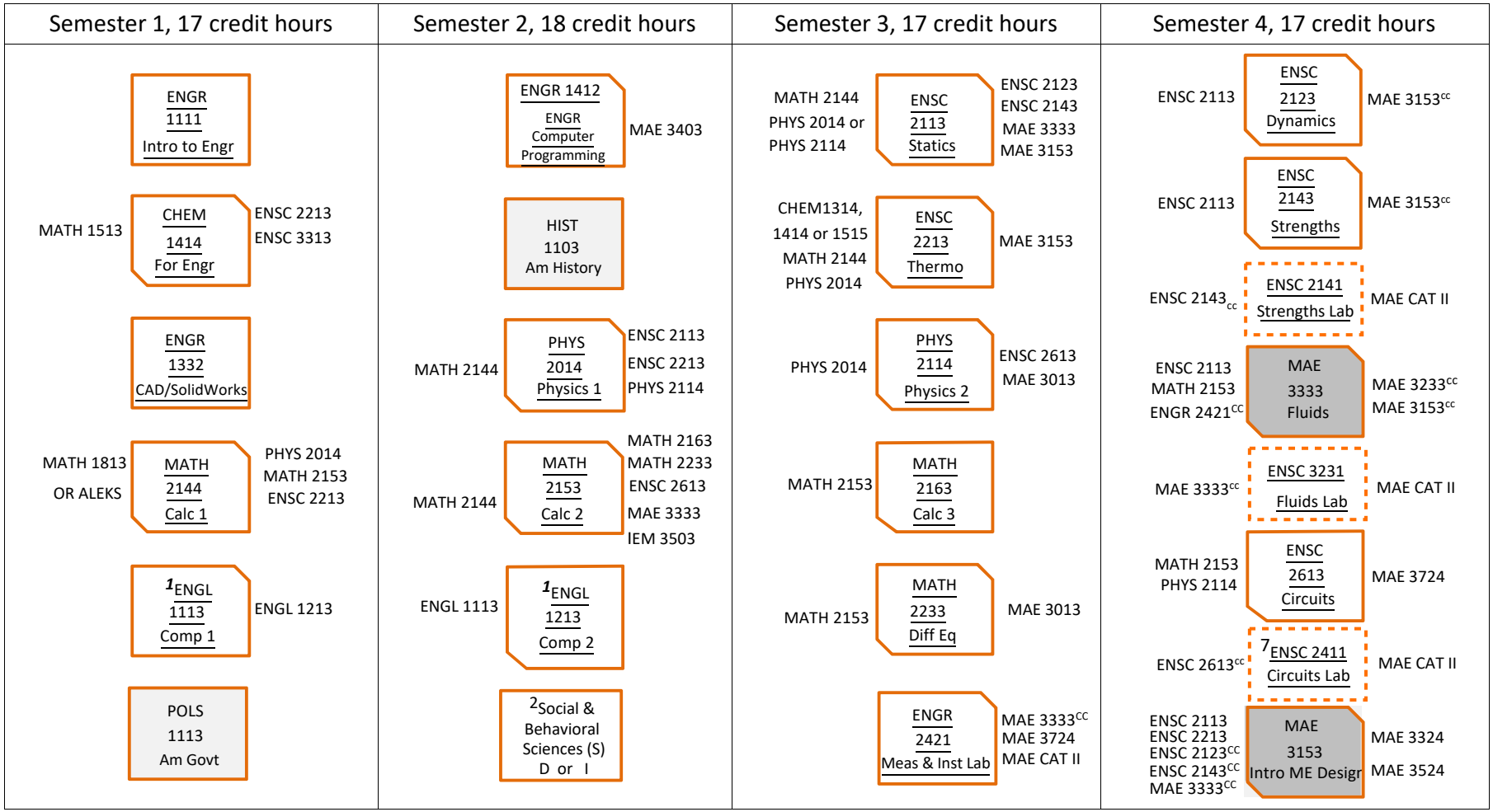
OSU - College of Engineering, Architecture & Technology

REFER TO THE CATALOG TO CONFIRM
PREREQUISITE COURSES

Mechanical Engineering, 2022-2023
Fire Protection Systems Option



Summary of Graduation and School Requirements: Grades of "C" or better in all prerequisite courses, their prerequisites, and courses that directly support ABET student outcomes. (footnote 1 on Degree Requirements Sheet 2022-2023/Underlined on Flowchart). Grades of "C" or higher in all Upper Division Major Requirements courses. (footnote 2 on Degree Requirements Sheet 2022-2023/Shaded on Flowchart). A minimum Technical GPA of 2.00, Technical GPA is calculated from all courses in the curriculum with a prefix belonging to the degree program, or substitutions for these courses.

1. If a 'B' or better is earned in ENGL 1113 or 1313, ENGL 3323 may be substituted for ENGL 1213 or 1413 (per Academic Regulation 3.5).
2. Min 6 hrs (H) and 3 hrs (S). Of these hours,
   1 course must meet the International Dimension (I) and 1 course must meet the Diversity (D) requirement

Please note: Some FPST courses have prerequisites that are not inherently required by the Mechanical Engineering degree

130 hours

Prereqs to Course ABC — Course ABC — Course ABC is a prereq to these courses.

For Reference Only

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Mechanical Engineering, 2022-2023

Fire Protection Systems Option

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PREREQUISITE COURSES

Semester 5, 15 credit hours	Semester 6, 15 credit hours	Semester 7, 15 credit hours	Semester 8, 16 credit hours
MAE 3333[CC] → MAE 3233 Heat Trans → CAT II, MAE 3524	ENSC 2113, ENSC 2143, ENSC 3313 → MAE 3324 Mech Des 1 → CAT II	Prereqs Vary by Course → [3] MAE CAT I	MAE 3524, MAE 3324, MAE 3724, ENGR2421, See notes 4 and 7 → [5] MAE CAT II
MATH 2233, PHYS 2114 → MAE 3013 Engr Analysis → MAE 3403, MAE 3724	MAE 3233, MAE 3153 → MAE 3524 Therm Fluid Des → CAT II	Prereqs Vary by Course → [5] MAE Elect	FPST 3373, MAE 3333 → FPST 4143 Ventilation & Smoke Ctrl
FPST 1213 Hazards Recognition → PETE 4343, PETE 4333	MAE 3013, MAE 3153, ENSC 2613 → MAE 3724 Sys Analysis → CAT II	MATH 2153 → IEM 3503 Engr Econ	[6] FPST/CET ELECTIVE
CHEM 1314, 1414 or 1515 → ENSC 3313 Mat Sci → MAE 3324	FPST 1373, MAE 3333, ENGR 1332 → FPST 2243 Sprinkler Design & Analysis	MAE 3013, ENGR 1412 → MAE 3403 Comp Meth	[2]Humanities (H) D or I
ENSC 3313[CC] → [7] ENSC 3311 Mat Sci Lab → MAE CAT II		MATH 2153, MAE 3333, STAT 2013, (ENSC 2213 or MAE 3233), CHEM 1314, 1414 or 1515 → FPST 3373 Fire Dynamics → FPST 4143	[2]Humanities (H) D or I
FPST 1373 Suppress & Detect → FPST 2243			

3. Category I – MAE 4243, 4263, 4353, 4363, 4513, 4623, 4703, 4713, or 4723 (See Catalog for Pre-Requisites).
4. Category II – MAE 4344 or MAE 4354 (See Catalog for Pre-Requisites)
5. MAE Elective (3 Hours) –MAE 3033, 3123, 3253, 3293, 4003, 4053, 4063, 4243, 4263, 4273, 4313, 4333, 4353, 4363, 4513, 4583, 4623, 4703, 4713, 4723, 4733
6. FPST/CET Elective (3 hours) – CET 4443, FPST 3113, 3383, 4213, 4383, or courses in the Category I above not used to satisfy the CAT I Requirement
7. In order to fulfill the Lab requirement you must complete ENGR 2421 and select two of the following lab courses: ENSC 2141, ENSC 2411, ENSC3231, or ENSC 3311. Each course can be taken concurrently or after its corresponding course

Please note: Some FPST courses have prerequisites that are not inherently required by the Mechanical Engineering degree

130 hours

Prereqs to Course ABC → Course ABC → Course ABC is a prereq to these courses.

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