ME Undergraduate Program of Study	Name: Advisor:	**[FWS] = Fall Winter Spring indicates when course is offered**	.

Basic Requirements (14):
Chem (1.34) Math (4)
Physics (2.68) Engr (3)
Speaking (1) DTC (2)

GEN_ENG 150/151
Prog for Engr Python
[FWS]

MATH 220-1
Single Var Diff Calc
[FW]

MATH 220-2
Single Var Int Calc
[FWS]

GEN_ENG 241
Linear Algebra
[FWS]

MATH 228-1
Multi Var Diff Calc
[FWS]

MATH 228-2
Multi Var Int Calc
[FWS]

COMM_ST 102
Or PERF _ST 103
Or PERF_ST 203

DSGN 106-1
Dsgn Thinking and Communication I
[FW]

DSGN 106-1
Dsgn Thinking and Communication II
[S]

Gen_Eng 231
Prob & Stat
[FWS]

PHYSICS 135-2/136-2
E&M
[FW]

PHYSICS 135-3/136-3
Waves and Motion
[WS]

CHEM 131/141
Or
CHEM 151/161
Or
CHEM 171/181

GEN_ENG 211
Eng Phy Statics
[WS]

GEN_ENG 212
Eng Phy Dynamics
[F S]

GEN_ENG 251
Ord Diff Equations
[FWS]

Previous or concurrent registration in Math 228-2

MAT_SCI 201
Materials Science
[FWS]

CIV_ENV 216
Mech. of Materials
[FWS]

MECH_ENG 233
Electronics Design
[F]

MECH_ENG 222
Thermo I
[W]

MECH_ENG 241
Fluid Mech
[F S]

Mechanical Engineering Major Program (22):
ME Foundation 3,
Required 11, Capstone 2,
and Concentration 6

MECH_ENG 240
Mech Design & Manufacturing
[S]

MECH_ENG 377
Heat Transfer
[WS]

MECH_ENG 340-1
Manuf Processes
[F]

MECH_ENG 315
Thry of Machines: Dsgn of Elements
[F S]

MECH_ENG 390
Intro to Dynamic Systems
[F]

MECH_ENG 314
Dynamics
[F S]

Gen_Eng 231 [FWS] as part of the chosen concentration and also must choose one of the Concentrations for a total of 7 units: ME Breadth, Aerospace Engineering, Design, Energy Systems and Sustainability, Manufacturing, Mechanical Sciences, Robotics.

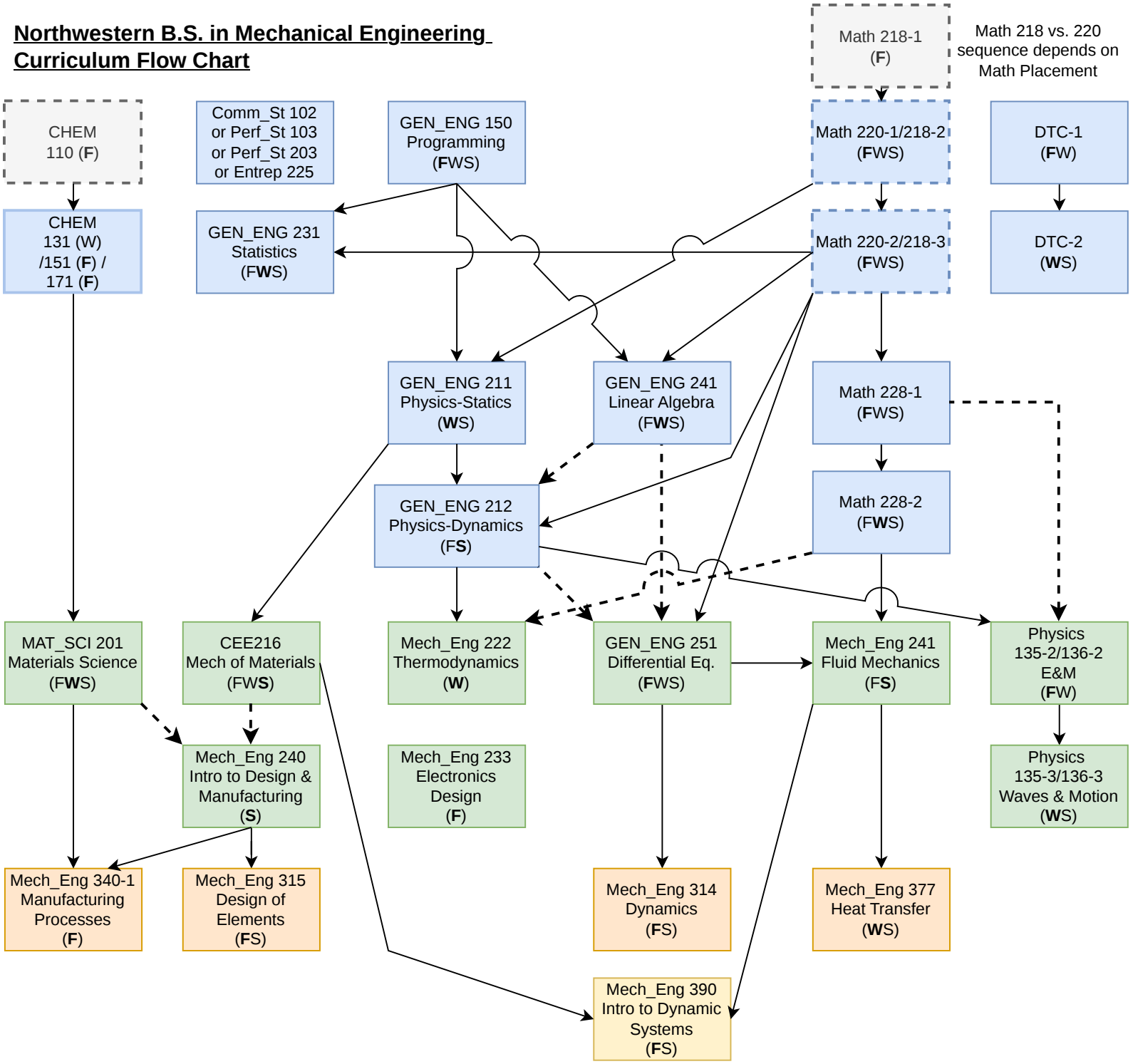
Must be taken consecutively, within the last 12 units of BSME degree requirements.

MECH_ENG 398-1
Engineering Dsgn
[FW]

MECH_ENG 398-2
Engineering Dsgn
[WS]

	Theme Requirements (7) Refer to Undergraduate Curriculum on the ME Website	**Unrestricted Electives (5)**	**Instructions: Cross out classes that you have taken. Circle the concentration in the above list that you are following.**

Northwestern B.S. in Mechanical Engineering Curriculum Flow Chart



Legend

Indicates path defined by prerequisite courses

Indicates path defined by corequisite courses

(FW**S**) — Indicates the quarters in which a course is offered. Bolded letter indicates the earliest quarter in which a student may take the course

1st, 2nd, 3rd, 4th — Indicates the year in which a student is most likely to take the course (this may vary, depending on which credits a student enters with)

Indicates that course credit may be rewarded through AP Credits, or placement testing

Additional Requirements

Theme Requirements	(7 Credits; See Department Website)
Unrestricted Electives	(5 Credits; See Department Website)
Concentration Courses	(6 Credits; See Department Website)
Capstone Sequence	(2 Credits, taken in sequence in FW or WS during year of graduation)